

Results of the First Comprehensive Revision of the Territorial Economic Accounts

New Estimates of GDP for 2014 and Revised Estimates for 2002–2013

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.”

Between December 2015 and February 2016, BEA released new estimates of GDP for 2014 and revised estimates for 2002 through 2013.² These estimates are shown in chart 1 below. For comparison, real GDP growth for the United States (excluding the territories) is also shown.

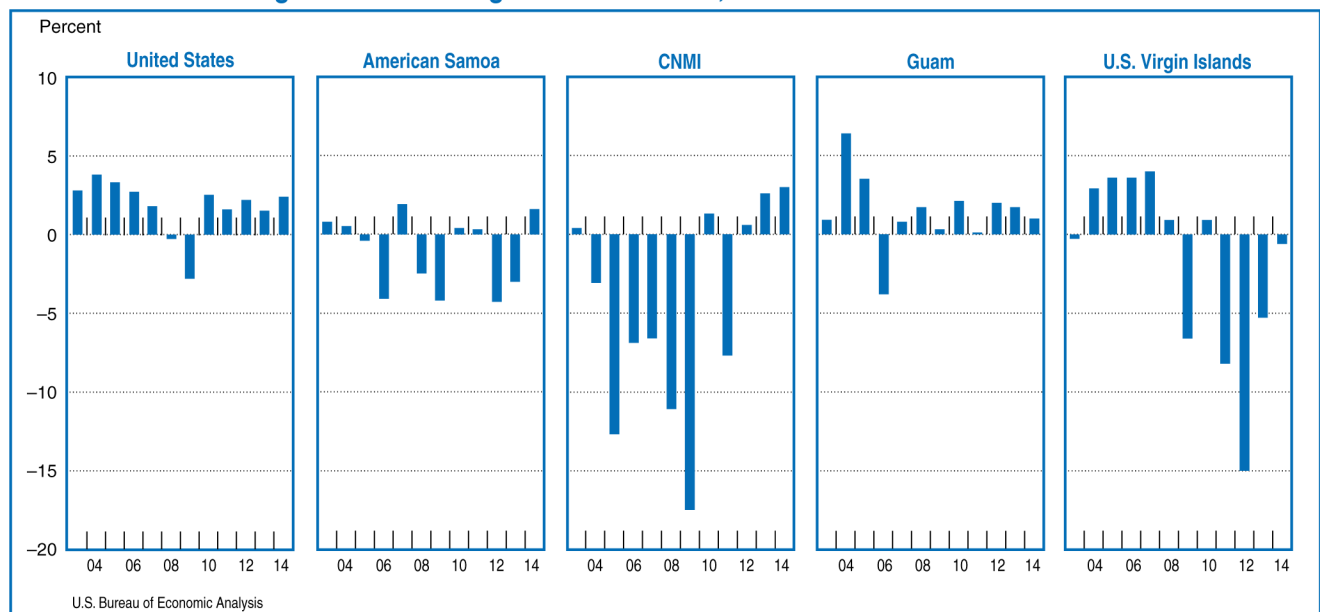
New estimates of GDP by industry for 2013 were also included in the 2014 GDP news releases for each territory. These estimates, along with GDP for 2014, are presented in detail in the accompanying tables.³ The methods used to derive the estimates of GDP and GDP by industry are summarized in the appendix “Summary of Methodologies.”

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 December 2015 and February 2016. Individual news releases for each of the territories are available on BEA’s Web site.

3. The industry detail shown for GDP by industry varies depending on the territory.

Chart 1. Percent Change From Preceding Year in Real GDP, 2003–2014



These estimates reflect the results of the first comprehensive, or benchmark, revision to the territorial economic accounts. Comprehensive revisions provide an opportunity to incorporate major improvements in how BEA measures the economies of the territories. This benchmark revision incorporated the following:

- Newly available or revised source data provided by the territorial governments
- Results from BEA's latest comprehensive and annual revisions to the national accounts
- Information from the 2012 Economic Census of Island Areas (ECIA), which provides the most thorough and detailed information on the structure of the territorial economies

The 2012 ECIA included, for the first time, information on businesses' capital expenditures on structures and equipment. This resulted in improved estimates of private fixed investment that replaced indirect measures based on building permit data, construction industry receipts, and imports of capital

goods. The revised estimates are larger than the indirect measures for all four territories. For example, in Guam, private fixed investment previously represented less than 5 percent of GDP in 2012; in the revised estimates, private fixed investment represents 20 percent of GDP.

Although the levels of GDP have been revised, the year-to-year patterns of inflation-adjusted growth are similar to the previously published estimates for all four territories (see tables A.1.6, B.1.6, C.1.6, and D.1.6).

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

American Samoa

Real GDP increased 1.6 percent in 2014 (see table A.1.3).

- The growth in the economy reflected widespread increases among the components of GDP (see table A.1.4).
- Government spending increased, primarily as a

Table A.1.1. Gross Domestic Product, American Samoa

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	514	527	512	503	496	520	563	678	576	574	644	641	645
Personal consumption expenditures	312	332	357	367	375	383	407	398	402	414	424	453	465
Goods.....	155	167	185	189	191	195	208	196	197	188	189	220	233
Durable goods.....	20	21	26	24	24	23	27	24	25	23	23	29	31
Nondurable goods.....	135	145	159	165	167	171	181	172	172	166	167	191	202
Services.....	156	164	172	180	186	189	202	207	211	229	242	244	245
Net foreign travel.....	1	1	-1	-3	-1	-1	-3	-5	-5	-4	-6	-11	-13
Private fixed investment	22	24	28	35	39	41	46	38	49	51	53	60	69
Change in private inventories	5	9	8	-6	-3	-8	-17	-6	-5	-3	0	5	29
Net exports of goods and services	-41	-59	-107	-116	-139	-116	-113	-26	-174	-225	-161	-190	-254
Exports.....	518	513	460	498	495	505	641	530	364	335	482	449	412
Goods.....	502	495	440	479	477	487	621	510	341	313	456	423	384
Services.....	16	18	20	19	18	17	20	20	22	22	26	26	28
Imports.....	559	571	567	614	634	621	754	556	537	559	643	639	666
Goods.....	511	517	513	564	582	571	698	508	489	509	588	585	605
Services.....	48	55	54	50	52	50	56	49	48	50	55	54	61
Government consumption expenditures and gross investment	216	221	227	224	224	220	241	275	304	337	329	313	337
Federal.....	10	20	26	23	19	17	20	30	22	23	22	22	24
Territorial.....	206	201	201	201	205	203	220	244	281	314	306	291	313

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

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

[Millions of chained (2009) dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	737	743	747	744	713	727	708	678	681	683	653	633	643
Personal consumption expenditures	414	424	442	437	428	420	410	398	381	364	357	374	381
Goods.....	204	213	228	224	219	216	212	196	187	170	165	188	199
Durable goods.....	27	28	33	29	27	27	27	24	24	21	19	24	26
Nondurable goods.....	177	184	195	195	191	190	185	172	163	149	146	164	172
Services.....	211	212	216	217	213	207	202	207	200	198	197	196	194
Net foreign travel.....	-1	-1	-2	-5	-3	-3	-4	-5	-6	-4	-6	-9	-11
Private fixed investment	26	27	30	34	38	40	45	38	50	52	51	56	62
Change in private inventories	6	9	7	-6	-3	-7	-11	-6	-4	-2	0	5	24
Net exports of goods and services	51	40	7	41	19	52	36	-26	-48	-67	-67	-91	-125
Exports.....	832	815	682	717	669	678	675	530	446	394	412	402	415
Goods.....	809	789	656	694	647	658	654	510	424	372	388	379	390
Services.....	23	26	26	23	22	20	20	20	22	20	23	22	24
Imports.....	781	776	675	676	650	626	639	556	494	460	479	494	540
Goods.....	721	713	616	624	596	575	586	508	450	417	433	448	491
Services.....	60	63	59	52	54	51	52	49	45	44	47	46	50
Government consumption expenditures and gross investment	271	269	262	250	237	227	239	275	290	309	297	278	293
Federal.....	13	25	31	26	20	18	20	30	22	22	21	20	22
Territorial.....	256	243	230	224	217	209	219	244	268	287	276	257	271
Addenda:													
Population (thousands) ¹	60.8	62.6	64.1	65.5	64.8	64.8	65.1	62.4	55.5	55.3	55.0	54.8	54.6
Per capita real GDP (chained dollars).....	12,122	11,869	11,654	11,359	11,003	11,219	10,876	10,865	12,270	12,351	11,873	11,551	11,777

1. BEA estimates based on data from the American Samoa Statistical Yearbook and the U.S. Census Bureau.

result of growth in territorial government spending.⁴ Federal grant revenues supported major government projects in 2014, including the local telecommunication authority's work to improve the territory's broadband capacity and coverage.

4. 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."

• Private fixed investment and exports of goods grew, largely because of increased activity in the tuna canning industry. The growth in private fixed investment reflected continued investments by the tuna canning industry, including the construction of a multimillion dollar tuna processing plant; the increase in exports of goods was due to growth in exports of canned tuna.

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	0.8	0.5	-0.4	-4.1	1.9	-2.5	-4.2	0.4	0.3	-4.3	-3.0	1.6
Personal consumption expenditures	2.4	4.3	-1.2	-2.0	-1.8	-2.4	-2.9	-4.3	-4.6	-2.0	4.8	1.9
Goods.....	4.4	7.4	-2.0	-2.2	-1.1	-1.9	-7.8	-4.6	-9.3	-2.6	13.9	5.6
Durable goods.....	4.1	17.1	-12.3	-5.5	-3.0	3.0	-12.7	0.9	-14.6	-5.7	24.8	8.5
Nondurable goods.....	4.4	5.9	-0.3	-1.8	-0.8	-2.5	-7.1	-5.4	-8.5	-2.2	12.5	5.2
Services.....	0.6	1.6	0.8	-2.2	-2.8	-2.3	2.5	-3.4	-0.9	-0.5	-0.8	-0.6
Net foreign travel.....												
Private fixed investment	5.6	11.9	13.7	11.2	3.4	13.5	-15.9	30.9	5.2	-2.3	9.6	10.8
Change in private inventories												
Net exports of goods and services												
Exports.....	-2.0	-16.3	5.1	-6.7	1.3	-0.4	-21.4	-15.8	-11.8	4.7	-2.3	3.1
Goods.....	-2.4	-16.9	5.7	-6.7	1.8	-0.6	-22.1	-16.8	-12.2	4.1	-2.3	2.9
Services.....	8.9	0.2	-9.4	-5.0	-11.4	4.9	-0.2	5.4	-5.8	13.0	-2.1	6.7
Imports.....	-0.7	-12.9	0.1	-3.8	-3.7	2.1	-12.9	-11.1	-6.9	4.1	3.0	9.5
Goods.....	-1.2	-13.6	1.3	-4.4	-3.5	1.9	-13.4	-11.4	-7.4	3.8	3.5	9.6
Services.....	4.8	-6.4	-11.9	3.8	-6.2	3.5	-7.3	-8.0	-2.1	7.3	-2.5	8.4
Government consumption expenditures and gross investment	-0.7	-2.6	-4.5	-5.0	-4.5	5.4	15.0	5.6	6.6	-4.1	-6.4	5.5
Federal.....	87.8	24.7	-17.0	-22.8	-10.7	12.3	49.5	-28.1	1.4	-5.6	-3.8	9.1
Territorial.....	-5.1	-5.3	-2.9	-2.9	-3.9	4.8	11.8	9.8	7.0	-4.0	-6.6	5.2

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Percent change:												
Gross domestic product	0.8	0.5	-0.4	-4.1	1.9	-2.5	-4.2	0.4	0.3	-4.3	-3.0	1.6
Percentage points:												
Personal consumption expenditures	1.50	2.79	-0.87	-1.44	-1.40	-1.78	-1.83	-2.84	-3.32	-1.37	3.15	1.38
Goods.....	1.33	2.42	-0.73	-0.84	-0.43	-0.69	-2.56	-1.50	-3.27	-0.81	4.08	1.93
Durable goods.....	0.16	0.72	-0.64	-0.26	-0.14	0.13	-0.54	0.03	-0.66	-0.21	0.87	0.38
Nondurable goods.....	1.17	1.70	-0.09	-0.58	-0.29	-0.82	-2.02	-1.54	-2.61	-0.59	3.21	1.55
Services.....	0.19	0.53	0.27	-0.81	-1.05	-0.83	0.81	-1.18	-0.36	-0.19	-0.30	-0.24
Net foreign travel.....	-0.02	-0.16	-0.41	0.20	0.09	-0.25	-0.08	-0.16	0.30	-0.38	-0.63	-0.31
Private fixed investment	0.25	0.57	0.79	0.76	0.26	0.99	-1.14	1.89	0.44	-0.19	0.79	1.04
Change in private inventories	0.67	-0.40	-2.84	0.79	-0.93	-0.98	0.90	0.43	0.35	0.48	0.86	3.58
Net exports of goods and services	-1.25	-1.37	4.59	-2.01	5.98	-2.99	-7.80	-1.70	-0.80	-0.97	-4.56	-7.17
Exports.....	-2.01	-16.76	4.66	-6.72	1.27	-0.46	-22.11	-12.25	-7.65	2.96	-1.68	2.06
Goods.....	-2.30	-16.77	5.04	-6.54	1.70	-0.62	-22.11	-12.43	-7.42	2.49	-1.60	1.79
Services.....	0.29	0.01	-0.38	-0.19	-0.43	0.16	-0.01	0.18	-0.23	0.47	-0.08	0.27
Imports.....	0.76	15.40	-0.07	4.71	4.71	-2.53	14.31	10.55	6.86	-3.93	-2.89	-9.23
Goods.....	1.23	14.70	-1.36	5.08	4.06	-2.19	13.69	9.88	6.67	-3.33	-3.10	-8.50
Services.....	-0.47	0.70	1.29	-0.37	0.65	-0.33	0.62	0.66	0.18	-0.60	0.21	-0.73
Government consumption expenditures and gross investment	-0.31	-1.14	-2.07	-2.24	-2.04	2.21	5.67	2.58	3.58	-2.27	-3.26	2.73
Federal.....	1.73	0.97	-0.90	-1.06	-0.41	0.40	1.58	-1.40	0.06	-0.21	-0.13	0.31
Territorial.....	-2.04	-2.11	-1.17	-1.18	-1.63	1.81	4.09	3.98	3.52	-2.06	-3.13	2.42

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	1.7	-3.3	-1.3	2.7	3.0	11.1	25.7	-15.4	-0.6	17.3	2.7	-1.0
Personal consumption expenditures	3.8	3.0	4.2	4.2	4.0	8.9	0.8	5.4	7.8	4.7	1.9	0.7

Table A.1.6. Revisions to Percent Change in Real Gross Domestic Product, American Samoa

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Revised.....	0.8	0.5	-0.4	-4.1	1.9	-2.5	-4.2	0.4	0.3	-4.3	-3.0
Previously published.....	0.6	0.1	0.2	-4.0	0.9	-1.6	-3.3	1.3	0.6	-2.6	-2.4
Percentage points:											
Revision.....	0.2	0.4	-0.6	-0.1	1.0	-0.9	-0.9	-0.9	-0.3	-1.7	-0.6

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

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	514	527	512	503	496	520	563	678	576	574	644	641
Private industries	393	397	369	349	342	365	404	514	389	389	450	451
Manufacturing.....	109	108	79	68	67	77	112	163	41	21	89	93
Nonmanufacturing.....	283	289	290	281	275	288	291	351	348	368	361	359
Government	121	130	143	154	153	156	160	165	187	185	195	190
Federal.....	8	11	16	20	16	14	16	18	18	17	17	18
Territorial.....	113	120	127	134	138	142	144	146	169	168	177	172

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	737	743	747	744	713	727	708	678	681	683	653	633
Private industries	601	599	595	575	553	568	544	514	501	514	474	463
Manufacturing.....	194	192	183	203	196	204	205	163	143	132	138	135
Nonmanufacturing.....	395	395	399	371	357	366	345	351	353	365	331	323
Government	147	154	160	171	163	163	166	165	177	170	176	168
Federal.....	12	14	19	23	17	14	17	18	17	16	16	17
Territorial.....	135	140	141	148	146	148	149	146	160	154	160	151

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	0.8	0.5	-0.4	-4.1	1.9	-2.5	-4.2	0.4	0.3	-4.3	-3.0
Private industries	-0.3	-0.7	-3.4	-3.7	2.7	-4.2	-5.5	-2.4	2.5	-7.7	-2.4
Manufacturing.....	-1.0	-5.0	11.2	-3.7	4.2	0.4	-20.3	-12.3	-7.9	4.9	-2.0
Nonmanufacturing.....	0.0	0.8	-6.8	-3.8	2.3	-5.7	1.7	0.7	3.4	-9.3	-2.5
Government	4.5	3.7	7.3	-5.0	0.1	1.7	-0.6	7.8	-4.2	3.4	-4.5
Federal.....	16.5	39.8	22.2	-27.5	-14.5	14.7	10.7	-7.6	-4.4	-0.8	4.4
Territorial.....	3.6	0.5	5.4	-1.6	1.8	0.4	-1.8	9.7	-4.1	3.8	-5.4

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Gross domestic product	0.8	0.5	-0.4	-4.1	1.9	-2.5	-4.2	0.4	0.3	-4.3	-3.0
Percentage points:											
Private industries	-0.23	-0.49	-2.44	-2.58	1.85	-3.03	-4.14	-1.81	1.64	-5.34	-1.66
Manufacturing.....	-0.21	-0.96	1.52	-0.49	0.58	0.07	-4.98	-2.21	-0.47	0.40	-0.29
Nonmanufacturing.....	-0.02	0.47	-3.96	-2.09	1.27	-3.10	0.84	0.40	2.11	-5.74	-1.37
Government	1.08	0.95	2.05	-1.56	0.03	0.48	-0.14	2.14	-1.38	1.02	-1.36
Federal.....	0.28	0.84	0.71	-1.13	-0.46	0.38	0.28	-0.23	-0.14	-0.02	0.12
Territorial.....	0.80	0.11	1.34	-0.43	0.49	0.11	-0.42	2.37	-1.24	1.04	-1.48

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total compensation	232	245	256	269	265	265	274	271	270	262	272	279
Private industries	124	128	125	127	126	125	131	125	97	97	103	107
Manufacturing.....	53	53	48	49	50	52	59	53	31	27	40	39
Nonmanufacturing.....	71	75	76	79	76	73	72	71	66	70	63	68
Government	108	117	132	141	139	140	143	147	173	164	169	171
Federal.....	8	10	15	20	15	13	16	18	17	17	17	17
Territorial.....	100	107	117	121	123	127	127	129	156	148	152	154

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

CNMI

Real GDP increased 3.0 percent in 2014 (see table B.1.3).

- The growth in the economy primarily reflected growth in private fixed investment and consumer spending. Private fixed investment increased over 50 percent, reflecting growth in business purchases of equipment and in private sector construction

activity. Consumer spending increased 9.1 percent, reflecting widespread household purchases of goods and services, including a continued increase in purchases of motor vehicles.

- Exports of services, which consists mostly of spending by tourists, also increased. Growth in tourism spending reflected an increase in visitor arrivals to the CNMI.

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

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	1,284	1,239	1,210	1,061	990	938	939	795	799	733	751	782	839
Personal consumption expenditures	459	470	477	425	474	480	504	431	442	451	469	488	538
Goods.....	332	346	394	332	369	358	387	332	354	366	399	438	470
Durable goods.....	121	127	145	123	140	137	142	119	130	132	143	166	186
Nondurable goods.....	210	219	249	209	229	222	245	213	224	234	256	272	284
Services.....	441	424	451	434	414	409	427	381	398	378	427	462	509
Net foreign travel.....	-314	-300	-368	-341	-309	-287	-310	-283	-309	-293	-357	-411	-441
Private fixed investment	80	78	98	97	92	79	83	85	77	74	79	91	141
Net exports of goods and services	387	344	281	182	77	47	29	-47	-70	-132	-98	-109	-155
Exports.....	1,169	1,118	1,218	1,017	829	627	488	312	335	317	380	435	463
Goods.....	848	810	842	668	514	333	172	23	19	17	16	17	15
Services.....	321	308	376	349	315	293	316	289	316	300	364	418	448
Imports.....	782	774	937	835	752	579	459	360	405	449	478	544	617
Goods.....	673	666	807	720	648	498	394	307	346	384	409	467	530
Services.....	109	108	130	116	104	81	66	53	59	65	69	77	87
Government consumption expenditures and gross investment	358	346	353	357	347	332	324	327	349	340	301	311	315
Federal.....	14	16	16	16	14	13	15	20	22	22	21	20	21
Territorial.....	344	329	337	340	333	319	308	306	327	318	279	291	294

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	1,469	1,475	1,429	1,248	1,162	1,084	964	795	806	744	748	767	791
Personal consumption expenditures	576	606	585	498	526	516	509	431	444	430	440	460	502
Goods.....	422	442	477	384	414	395	400	332	349	338	363	402	424
Durable goods.....	144	151	164	135	153	149	149	119	127	121	131	155	173
Nondurable goods.....	279	293	313	249	261	246	251	213	222	217	232	247	252
Services.....	516	516	537	505	455	434	433	381	389	354	390	416	444
Net foreign travel.....	-365	-356	-429	-391	-343	-313	-324	-283	-294	-263	-313	-356	-365
Private fixed investment	89	86	106	103	95	80	82	85	78	72	76	87	136
Net exports of goods and services	442	420	394	302	190	147	48	-47	-56	-82	-52	-61	-112
Exports.....	1,443	1,384	1,497	1,243	1,002	747	476	312	320	284	333	377	385
Goods.....	1,025	976	1,012	803	617	396	138	23	19	15	14	15	13
Services.....	374	365	438	399	350	320	331	289	300	269	319	362	371
Imports.....	1,002	964	1,103	941	812	600	428	360	376	367	384	438	497
Goods.....	863	825	938	796	691	511	361	307	320	308	323	368	419
Services.....	138	139	165	145	122	88	67	53	56	59	61	69	78
Government consumption expenditures and gross investment	422	425	405	391	383	348	326	327	341	327	286	288	282
Federal.....	18	20	19	18	15	13	16	20	21	21	20	19	19
Territorial.....	404	404	386	373	368	335	310	306	320	307	265	269	263
Addenda:													
Population (thousands) ¹	74.4	76.6	78.9	70.6	60.7	59.3	57.6	55.5	53.5	52.2	51.4	51.2	51.5
Per capita real GDP (chained dollars).....	19,745	19,256	18,112	17,677	19,143	18,280	16,736	14,324	15,065	14,253	14,553	14,980	15,359

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]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	0.4	-3.1	-12.7	-6.9	-6.6	-11.1	-17.5	1.3	-7.7	0.6	2.6	3.0
Personal consumption expenditures	5.2	-3.4	-14.8	5.5	-1.8	-1.4	-15.4	3.0	-3.2	2.4	4.5	9.1
Goods.....	4.8	7.8	-19.4	7.8	-4.6	1.3	-17.1	5.1	-3.0	7.4	10.7	5.5
Durable goods.....	4.7	9.1	-17.6	13.1	-2.7	0.2	-20.2	6.7	-5.0	8.5	18.1	11.7
Nondurable goods.....	4.8	7.1	-20.4	4.8	-5.8	2.0	-15.3	4.1	-1.9	6.8	6.6	1.8
Services.....	0.0	4.1	-5.9	-10.0	-4.5	-0.3	-11.9	2.0	-9.1	10.4	6.6	6.7
Net foreign travel.....												
Private fixed investment	-3.4	22.9	-3.3	-7.8	-15.4	2.1	4.4	-8.9	-6.9	5.6	14.5	55.5
Net exports of goods and services												
Exports.....	-4.1	8.2	-17.0	-19.4	-25.4	-36.3	-34.4	2.4	-11.1	17.1	13.3	2.0
Goods.....	-4.8	3.7	-20.6	-23.2	-35.8	-65.2	-83.4	-16.7	-20.8	-8.6	6.9	-11.7
Services.....	-2.4	20.0	-8.9	-12.3	-8.7	3.4	-12.5	3.8	-10.5	18.5	13.6	2.6
Imports.....	-3.8	14.4	-14.7	-13.7	-26.2	-28.6	-16.0	4.5	-2.5	4.8	13.9	13.5
Goods.....	-4.4	13.7	-15.2	-13.2	-26.0	-29.3	-15.0	4.3	-3.8	5.0	14.0	13.8
Services.....	0.1	18.9	-11.7	-16.4	-27.4	-24.3	-21.2	6.0	5.7	3.8	13.4	11.9
Government consumption expenditures and gross investment	0.6	-4.6	-3.4	-2.2	-9.0	-6.4	0.2	4.4	-4.0	-12.8	0.9	-2.0
Federal.....	10.9	-7.1	-2.4	-18.5	-13.0	19.2	30.7	4.4	-3.6	-2.5	-6.5	0.4
Territorial.....	0.1	-4.5	-3.4	-1.4	-8.8	-7.4	-1.3	4.4	-4.0	-13.5	1.4	-2.1

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Percent change:												
Gross domestic product.....	0.4	-3.1	-12.7	-6.9	-6.6	-11.1	-17.5	1.3	-7.7	0.6	2.6	3.0
Percentage points:												
Personal consumption expenditures	1.89	-1.33	-5.97	2.28	-0.87	-0.68	-8.36	1.65	-1.80	1.47	2.80	5.62
Goods.....	1.25	2.24	-6.45	2.49	-1.72	0.48	-7.20	2.14	-1.39	3.69	5.62	3.06
Durable goods.....	0.45	0.95	-2.14	1.52	-0.38	0.03	-3.14	1.02	-0.84	1.52	3.40	2.45
Nondurable goods.....	0.80	1.29	-4.31	0.97	-1.34	0.45	-4.06	1.12	-0.55	2.17	2.21	0.61
Services.....	0.00	1.40	-2.23	-4.21	-1.90	-0.13	-5.45	0.99	-4.67	5.37	3.76	3.94
Net foreign travel.....	0.63	-4.97	2.71	4.00	2.75	-1.02	4.28	-1.47	4.25	-7.60	-6.57	-1.38
Private fixed investment.....	-0.22	1.46	-0.27	-0.73	-1.43	0.17	0.38	-0.96	-0.67	0.56	1.51	6.30
Net exports of goods and services.....	-1.46	-1.87	-5.46	-7.70	-1.13	-8.43	-9.64	-1.19	-3.46	4.44	-2.05	-8.11
Exports.....	-3.85	7.38	-17.08	-18.68	-21.30	-25.55	-17.22	0.95	-4.80	7.39	6.71	1.14
Goods.....	-3.24	2.39	-14.30	-14.59	-18.53	-26.56	-12.91	-0.49	-0.53	-0.20	0.14	-0.25
Services.....	-0.61	4.99	-2.78	-4.09	-2.77	1.01	-4.31	1.44	-4.27	7.58	6.57	1.38
Imports.....	2.39	-9.25	11.62	10.98	20.17	17.13	7.58	-2.14	1.35	-2.95	-8.76	-9.24
Goods.....	2.40	-7.60	10.36	9.12	17.19	15.13	6.08	-1.74	1.78	-2.62	-7.55	-8.08
Services.....	-0.01	-1.65	1.26	1.86	2.97	2.00	1.50	-0.41	-0.43	-0.33	-1.21	-1.16
Government consumption expenditures and gross investment	0.16	-1.34	-1.01	-0.75	-3.21	-2.12	0.08	1.82	-1.75	-5.92	0.34	-0.79
Federal.....	0.13	-0.10	-0.03	-0.29	-0.19	0.24	0.51	0.11	-0.10	-0.07	-0.18	0.01
Territorial.....	0.03	-1.24	-0.98	-0.45	-3.03	-2.36	-0.43	1.71	-1.65	-5.84	0.53	-0.80

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product.....	-3.9	0.8	0.4	0.3	1.6	12.5	2.7	-0.8	-0.7	1.9	1.5	4.2
Personal consumption expenditures	-2.6	5.1	4.5	5.8	3.2	6.3	1.1	-0.4	5.3	1.6	-0.4	0.9

Table B.1.6. Revisions to Percent Change in Real Gross Domestic Product, Commonwealth of the Northern Mariana Islands

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Revised.....	0.4	-3.1	-12.7	-6.9	-6.6	-11.1	-17.5	1.3	-7.7	0.6	2.6
Previously published.....	0.4	-2.7	-13.8	-8.0	-7.7	-12.8	-19.2	0.8	-6.7	2.1	4.4
Percentage points:											
Revision.....	0.0	-0.4	1.1	1.1	1.1	1.7	1.7	0.5	-1.0	-1.5	-1.8

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

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product.....	1,284	1,239	1,210	1,061	990	938	939	795	799	733	751	782
Private industries.....	1,053	998	974	824	769	717	727	586	589	540	563	583
Manufacturing.....	403	395	386	349	244	174	50	18	16	15	12	11
Distributive services.....	129	138	150	124	143	140	165	135	149	153	157	170
Accommodations and amusement.....	122	123	141	144	128	111	122	105	110	97	114	133
All other.....	398	342	298	207	254	291	390	328	314	274	280	269
Government.....	231	241	235	236	220	222	212	209	210	193	188	199
Federal.....	6	9	11	14	13	13	14	16	14	15	15	15
Territorial.....	225	232	224	222	207	209	197	193	196	178	173	185

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product.....	1,469	1,475	1,429	1,248	1,162	1,084	964	795	806	744	748	767
Private industries.....	1,216	1,189	1,172	994	915	846	745	586	601	560	573	587
Manufacturing.....	425	421	414	364	252	181	52	18	16	15	11	10
Distributive services.....	149	160	170	138	153	147	169	135	147	148	148	157
Accommodations and amusement.....	151	152	170	167	144	120	128	105	110	98	110	125
All other.....	434	401	362	275	340	391	396	328	328	298	303	291
Government.....	256	289	261	254	246	237	219	209	204	184	176	182
Federal.....	8	11	13	16	15	13	15	16	14	14	14	13
Territorial.....	248	277	248	238	231	224	205	193	191	170	163	169

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

	[Percent]										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	0.4	-3.1	-12.7	-6.9	-6.6	-11.1	-17.5	1.3	-7.7	0.6	2.6
Private industries	-2.3	-1.4	-15.2	-7.9	-7.6	-12.0	-21.3	2.6	-6.9	2.3	2.4
Manufacturing.....	-1.1	-1.6	-12.0	-30.7	-28.4	-71.4	-65.4	-10.5	-7.8	-27.3	-6.3
Distributive services.....	7.5	6.7	-19.2	11.2	-4.1	15.1	-20.4	9.3	0.8	-0.3	6.0
Accommodations and amusement.....	0.3	12.4	-1.8	-13.9	-16.7	6.9	-17.8	4.2	-11.0	13.0	13.6
All other.....	-7.5	-9.7	-24.1	23.5	15.2	1.2	-17.1	0.1	-9.1	1.6	-3.9
Government	12.5	-9.6	-2.7	-3.3	-3.5	-7.5	-4.6	-2.3	-9.9	-4.3	3.3
Federal.....	39.0	16.9	19.3	-8.1	-7.3	10.0	9.9	-15.1	1.5	-2.4	-2.1
Territorial.....	11.8	-10.6	-3.8	-3.0	-3.2	-8.6	-5.6	-1.2	-10.8	-4.5	3.8

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Gross domestic product	0.4	-3.1	-12.7	-6.9	-6.6	-11.1	-17.5	1.3	-7.7	0.6	2.6
Percentage points:											
Private industries	-1.85	-1.14	-12.18	-6.17	-5.85	-9.27	-16.49	1.94	-5.05	1.68	1.78
Manufacturing.....	-0.35	-0.51	-3.88	-10.16	-6.93	-12.60	-3.50	-0.24	-0.16	-0.58	-0.10
Distributive services.....	0.76	0.76	-2.41	1.34	-0.59	2.16	-3.58	1.58	0.16	-0.06	1.26
Accommodations and amusement.....	0.03	1.24	-0.22	-1.91	-2.19	0.78	-2.34	0.55	-1.52	1.74	2.08
All other.....	-2.30	-2.63	-5.67	4.56	3.86	0.39	-7.07	0.04	-3.53	0.58	-1.46
Government	2.21	-1.93	-0.53	-0.72	-0.78	-1.71	-1.04	-0.61	-2.65	-1.13	0.83
Federal.....	0.19	0.12	0.18	-0.11	-0.10	0.13	0.15	-0.32	0.03	-0.05	-0.04
Territorial.....	2.02	-2.05	-0.71	-0.61	-0.68	-1.84	-1.19	-0.30	-2.68	-1.08	0.87

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]											
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total compensation	720	725	753	700	602	533	501	455	456	431	415	433
Private industries	506	510	536	480	398	336	307	263	264	259	252	266
Manufacturing.....	210	199	216	166	117	74	26	9	8	8	8	7
Distributive services.....	57	61	65	54	62	62	72	58	62	62	63	67
Accommodations and amusement.....	64	66	76	77	67	61	67	58	60	54	64	74
All other.....	175	184	179	183	152	140	142	137	134	135	119	117
Government	214	215	217	220	204	197	194	192	191	172	163	167
Federal.....	6	9	11	13	13	13	14	16	14	14	14	14
Territorial.....	208	206	206	207	191	184	180	176	177	158	149	153

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

Guam

Real GDP increased 1.0 percent in 2014 (see table C.1.3).

- The growth in the economy reflected widespread increases among the components of GDP (see table C.1.4).
- Private fixed investment increased 6.7 percent,

reflecting the continued construction of Guam's first private hospital and a new luxury hotel.

- Government construction projects also contributed to economic growth, including a new Navy hospital facility and various federally funded road projects carried out by the local government.

Table C.1.1. Gross Domestic Product, Guam

	[Millions of dollars]												
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	3,385	3,560	3,857	4,197	4,213	4,375	4,621	4,781	4,895	4,928	5,199	5,357	5,528
Personal consumption expenditures	2,217	2,105	2,235	2,425	2,444	2,536	2,753	2,813	2,816	2,905	3,153	3,158	3,234
Goods.....	1,103	1,070	1,222	1,401	1,402	1,414	1,512	1,448	1,462	1,564	1,765	1,700	1,710
Durable goods.....	404	398	436	506	506	518	542	520	523	564	635	601	594
Nondurable goods.....	699	673	786	895	896	897	970	928	939	1,001	1,130	1,099	1,116
Services.....	1,758	1,589	1,784	1,906	1,963	2,007	2,076	2,100	2,123	2,131	2,279	2,329	2,458
Net foreign travel.....	-644	-554	-770	-882	-921	-885	-835	-735	-769	-790	-892	-871	-934
Private fixed investment	473	646	636	585	686	921	1,057	1,081	1,057	1,027	1,044	1,260	1,362
Net exports of goods and services	-895	-1,024	-939	-886	-1,073	-1,483	-1,699	-1,801	-1,873	-2,021	-2,033	-2,178	-2,326
Exports.....	722	631	846	956	1,006	1,005	973	838	846	928	1,004	1,053	1,052
Imports.....	74	73	72	70	80	115	133	98	73	133	107	177	112
Goods.....	648	557	775	886	926	890	840	740	774	795	897	876	940
Imports.....	1,616	1,654	1,785	1,843	2,079	2,489	2,673	2,639	2,719	2,949	3,037	3,231	3,378
Goods.....	1,362	1,320	1,445	1,529	1,732	2,018	2,115	2,051	2,098	2,289	2,395	2,517	2,611
Services.....	255	334	340	314	347	470	558	588	621	661	642	714	767
Government consumption expenditures and gross investment	1,591	1,832	1,924	2,072	2,156	2,402	2,510	2,688	2,894	3,017	3,035	3,117	3,258
Federal.....	905	1,120	1,203	1,279	1,307	1,491	1,597	1,738	1,854	1,895	1,898	1,887	1,968
Territorial.....	686	712	721	794	849	911	913	950	1,039	1,121	1,138	1,230	1,289

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4,345	4,385	4,667	4,832	4,647	4,685	4,766	4,781	4,881	4,887	4,986	5,070	5,118
Personal consumption expenditures	2,745	2,550	2,671	2,791	2,703	2,725	2,794	2,813	2,782	2,823	2,925	2,921	2,961
Goods.....	1,473	1,356	1,472	1,581	1,512	1,507	1,520	1,448	1,477	1,551	1,686	1,639	1,639
Durable goods.....	467	443	491	544	542	553	538	520	529	575	631	610	609
Nondurable goods.....	1,014	917	983	1,038	970	954	983	928	948	976	1,056	1,029	1,030
Services.....	2,173	1,947	2,165	2,230	2,189	2,154	2,121	2,100	2,068	2,040	2,084	2,112	2,189
Net foreign travel.....	-898	-742	-964	-1,019	-996	-937	-849	-735	-763	-766	-840	-828	-868
Private fixed investment	551	744	710	623	701	921	1,038	1,081	1,062	1,015	1,015	1,211	1,292
Net exports of goods and services	-1,066	-1,220	-1,040	-933	-1,092	-1,448	-1,581	-1,801	-1,808	-1,845	-1,829	-1,959	-2,082
Exports.....	1,006	844	1,062	1,108	1,090	1,061	977	838	837	892	938	993	973
Goods.....	103	99	92	84	89	120	124	98	70	118	93	156	99
Services.....	903	746	970	1,024	1,001	942	853	740	767	771	845	833	873
Imports.....	2,072	2,064	2,102	2,042	2,182	2,509	2,558	2,639	2,646	2,737	2,767	2,952	3,055
Goods.....	1,713	1,621	1,678	1,680	1,814	2,031	2,008	2,051	2,024	2,090	2,149	2,277	2,351
Services.....	355	447	426	360	366	477	550	588	623	648	616	674	703
Government consumption expenditures and gross investment	2,117	2,295	2,323	2,354	2,337	2,490	2,513	2,688	2,844	2,895	2,874	2,905	2,959
Federal.....	1,198	1,385	1,429	1,429	1,395	1,528	1,587	1,738	1,818	1,817	1,791	1,768	1,810
Territorial.....	923	912	896	927	946	964	926	950	1,025	1,078	1,083	1,137	1,150
Addenda:													
Population (thousands) ¹	155.7	156.2	156.6	157.1	157.5	158.0	158.4	158.9	159.4	159.5	159.8	160.3	160.9
Per capita real GDP (chained dollars).....	27,906	28,073	29,802	30,757	29,505	29,652	30,088	30,088	30,621	30,639	31,202	31,628	31,809

1. Source: U.S. Census Bureau

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	0.9	6.4	3.5	-3.8	0.8	1.7	0.3	2.1	0.1	2.0	1.7	1.0
Personal consumption expenditures	-7.1	4.8	4.5	-3.1	0.8	2.5	0.7	-1.1	1.5	3.6	-0.1	1.4
Goods.....	-7.9	8.5	7.4	-4.4	-0.3	0.9	-4.8	2.0	5.0	8.7	-2.8	0.0
Durable goods.....	-5.1	10.8	10.8	-0.5	2.2	-2.8	-3.3	1.7	8.8	9.7	-3.3	-0.2
Nondurable goods.....	-9.6	7.2	5.6	-6.5	-1.7	3.0	-5.6	2.2	3.0	8.2	-2.5	0.1
Services.....	-10.4	11.2	3.0	-1.8	-1.6	-1.5	-1.0	-1.5	-1.4	2.1	1.4	3.6
Net foreign travel.....												
Private fixed investment	34.9	-4.5	-12.3	12.6	31.2	12.8	4.1	-1.7	-4.4	0.0	19.4	6.7
Net exports of goods and services	-16.0	25.7	4.4	-1.6	-2.7	-7.9	-14.2	-0.1	6.5	5.2	5.9	-2.0
Exports.....	-4.2	-6.7	-9.2	6.2	34.6	3.1	-20.8	-28.2	68.1	-21.3	67.8	-36.4
Goods.....	-17.4	29.9	5.6	-2.3	-5.9	-9.4	-13.3	3.7	0.4	9.6	-1.5	4.8
Services.....	-0.4	1.8	-2.9	6.9	15.0	2.0	3.1	0.3	3.4	1.1	6.7	3.5
Imports.....	-5.4	3.5	0.2	8.0	11.9	-1.1	2.2	-1.3	3.3	2.9	5.9	3.3
Goods.....	26.1	-4.8	-15.4	1.6	30.4	15.3	6.8	5.9	4.1	-5.0	9.4	4.3
Services.....												
Government consumption expenditures and gross investment	8.4	1.2	1.3	-0.7	6.5	0.9	6.9	5.8	1.8	-0.7	1.1	1.9
Federal.....	15.6	3.1	0.1	-2.4	9.6	3.9	9.5	4.6	-0.1	-1.4	-1.3	2.4
Territorial.....	-1.2	-1.8	3.5	2.1	1.9	-3.9	2.6	7.9	5.1	0.5	5.0	1.1

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Percent change:												
Gross domestic product	0.9	6.4	3.5	-3.8	0.8	1.7	0.3	2.1	0.1	2.0	1.7	1.0
Percentage points:												
Personal consumption expenditures	-4.62	2.81	2.58	-1.82	0.46	1.49	0.41	-0.65	0.84	2.15	-0.09	0.80
Goods.....	-2.61	2.60	2.37	-1.47	-0.09	0.28	-1.54	0.60	1.50	2.78	-0.95	0.00
Durable goods.....	-0.60	1.19	1.22	-0.06	0.26	-0.34	-0.38	0.18	0.93	1.10	-0.40	-0.02
Nondurable goods.....	-2.00	1.41	1.15	-1.41	-0.35	0.62	-1.16	0.42	0.57	1.67	-0.55	0.02
Services.....	-5.32	4.99	1.38	-0.83	-0.75	-0.71	-0.44	-0.68	-0.59	0.92	0.60	1.58
Net foreign travel.....	3.31	-4.78	-1.17	0.49	1.30	1.91	2.39	-0.57	-0.07	-1.55	0.26	-0.79
Private fixed investment	4.81	-0.83	-2.02	1.75	5.07	2.67	0.92	-0.39	-0.96	-0.01	3.88	1.56
Net exports of goods and services	-3.24	3.81	2.30	-3.42	-8.08	-2.94	-4.71	-0.16	-0.82	0.32	-2.75	-2.50
Exports.....	-3.42	4.67	0.98	-0.38	-0.63	-1.82	-2.96	-0.02	1.13	0.98	1.12	-0.40
Goods.....	-0.09	-0.14	-0.17	0.10	0.67	0.09	-0.56	-0.59	1.06	-0.57	1.38	-1.19
Services.....	-3.33	4.80	1.15	-0.48	-1.30	-1.91	-2.39	0.57	0.07	1.55	-0.26	0.79
Imports.....	0.18	-0.86	1.33	-3.04	-7.45	-1.12	-1.76	-0.14	-1.96	-0.66	-3.87	-2.10
Goods.....	2.14	-1.32	-0.06	-2.92	-4.93	0.52	-0.95	0.59	-1.43	-1.32	-2.70	-1.53
Services.....	-1.96	0.46	1.38	-0.12	-2.52	-1.64	-0.81	-0.73	-0.53	0.66	-1.16	-0.57
Government consumption expenditures and gross investment	3.99	0.63	0.67	-0.35	3.38	0.50	3.72	3.28	1.08	-0.44	0.63	1.09
Federal.....	4.23	0.99	0.02	-0.74	2.98	1.32	3.21	1.70	-0.02	-0.54	-0.47	0.83
Territorial.....	-0.25	-0.36	0.66	0.39	0.39	-0.82	0.51	1.58	1.10	0.10	1.10	0.26

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	4.2	1.8	5.1	4.4	3.0	3.8	3.1	0.3	0.5	3.4	1.3	2.2
Personal consumption expenditures	2.3	1.4	3.8	4.0	2.9	5.9	1.5	1.2	1.7	4.7	0.3	1.0

Table C.1.6. Revisions to Percent Change in Real Gross Domestic Product, Guam

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Revised	0.9	6.4	3.5	-3.8	0.8	1.7	0.3	2.1	0.1	2.0	1.7
Previously published	1.3	7.0	2.9	-3.5	0.6	1.5	0.2	1.3	-0.3	1.7	0.6
Percentage points:											
Revision	-0.4	-0.6	0.6	-0.3	0.2	0.2	0.1	0.8	0.4	0.3	1.1

Table C.2.1. Value Added by Industry, Guam

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	3,385	3,560	3,857	4,197	4,213	4,375	4,621	4,781	4,895	4,928	5,199	5,357
Private industries	2,112	2,175	2,410	2,640	2,591	2,654	2,827	2,872	2,875	2,847	3,117	3,224
Construction	137	238	202	168	190	291	343	360	394	367	398	440
Distributive services	368	413	449	470	455	436	469	464	495	513	551	543
Accommodations and amusement.....	384	356	408	411	409	406	422	429	452	462	487	519
Other private	1,223	1,168	1,351	1,590	1,536	1,520	1,593	1,619	1,534	1,505	1,681	1,722
Government	1,273	1,385	1,447	1,557	1,622	1,721	1,795	1,910	2,020	2,081	2,082	2,133
Federal	646	744	800	902	945	1,008	1,071	1,157	1,217	1,253	1,249	1,248
Territorial	627	640	647	655	678	713	724	752	802	828	833	885

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	4,345	4,385	4,667	4,832	4,647	4,685	4,766	4,781	4,881	4,887	4,986	5,070
Private industries	2,640	2,655	2,915	3,051	2,871	2,876	2,929	2,872	2,906	2,879	2,998	3,065
Construction	197	334	273	202	208	304	360	360	402	369	391	417
Distributive services	420	472	513	516	488	470	502	464	488	495	519	502
Accommodations and amusement.....	438	409	480	468	445	437	445	429	459	478	491	525
Other private	1,589	1,455	1,655	1,869	1,733	1,667	1,622	1,619	1,557	1,537	1,595	1,622
Government	1,707	1,733	1,754	1,782	1,777	1,809	1,837	1,910	1,974	2,006	1,988	2,005
Federal	869	919	948	1,006	1,007	1,033	1,070	1,157	1,185	1,199	1,181	1,179
Territorial	845	821	812	780	773	779	769	752	790	807	808	826

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	0.9	6.4	3.5	-3.8	0.8	1.7	0.3	2.1	0.1	2.0	1.7
Private industries	0.6	9.8	4.7	-5.9	0.2	1.8	-1.9	1.2	-0.9	4.1	2.2
Construction	69.9	-18.4	-25.8	2.9	45.9	18.4	0.0	11.6	-8.0	5.9	6.7
Distributive services	12.4	8.8	0.7	-5.5	-3.7	7.0	-7.7	5.3	1.4	4.8	-3.2
Accommodations and amusement.....	-6.6	17.3	-2.5	-4.8	-1.9	1.9	-3.6	7.1	4.1	2.9	6.9
Other private	-8.4	13.7	12.9	-7.2	-3.8	-2.7	-0.2	-3.8	-1.3	3.8	1.6
Government	1.6	1.2	1.6	-0.3	1.8	1.5	3.9	3.4	1.6	-0.9	0.8
Federal	5.7	3.1	6.1	0.1	2.6	3.6	8.2	2.3	1.2	-1.5	-0.1
Territorial	-2.8	-1.1	-3.9	-0.9	0.8	-1.4	-2.1	5.0	2.2	0.1	2.3

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Gross domestic product.....	0.9	6.4	3.5	-3.8	0.8	1.7	0.3	2.1	0.1	2.0	1.7
Percentage points:											
Private industries	0.35	5.96	2.92	-3.71	0.11	1.11	-1.19	0.72	-0.54	2.39	1.34
Construction	2.81	-1.24	-1.40	0.12	2.09	1.20	0.00	0.86	-0.65	0.44	0.52
Distributive services	1.31	1.01	0.08	-0.61	-0.40	0.69	-0.80	0.52	0.15	0.49	-0.34
Accommodations and amusement.....	-0.73	1.69	-0.26	-0.47	-0.18	0.17	-0.34	0.63	0.37	0.27	0.64
Other private	-3.04	4.50	4.51	-2.74	-1.40	-0.94	-0.06	-1.29	-0.41	1.19	0.53
Government	0.59	0.46	0.62	-0.12	0.71	0.60	1.53	1.37	0.67	-0.37	0.34
Federal	1.12	0.66	1.27	0.02	0.58	0.83	1.86	0.58	0.30	-0.38	-0.03
Territorial	-0.52	-0.20	-0.65	-0.14	0.13	-0.22	-0.34	0.79	0.36	0.01	0.37

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total compensation	1,940	2,133	2,170	2,251	2,318	2,453	2,588	2,715	2,861	2,907	2,950	3,017
Private industries	969	1,071	1,095	1,111	1,145	1,224	1,299	1,348	1,407	1,397	1,446	1,485
Construction	60	112	109	96	110	135	155	171	192	183	186	218
Distributive services	197	227	241	242	247	245	260	255	270	278	298	297
Accommodations and amusement.....	207	187	209	201	202	203	212	217	227	231	243	257
Other private	505	546	535	572	586	641	671	704	718	706	719	713
Government	970	1,061	1,075	1,140	1,173	1,228	1,289	1,367	1,455	1,510	1,504	1,531
Federal	467	550	568	614	619	647	695	746	802	835	829	825
Territorial	503	511	507	526	554	582	594	621	653	676	675	706

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

U.S. Virgin Islands

Real GDP decreased 0.6 percent in 2014 (see table D.1.3).

- The decline in the economy primarily reflected a decrease in government spending. The decrease reflected declines in compensation paid to federal government employees and in federal government

construction activity.

- The decrease in government spending was partly offset by an increase in exports of services, which consists primarily of spending by tourists. Growth in tourism spending reflected an increase in visitor arrivals to the U.S. Virgin Islands of 4.2 percent.

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

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	3,269	3,453	3,799	4,439	4,504	4,803	4,250	4,203	4,339	4,239	4,095	3,785	3,670
Personal consumption expenditures	1,651	1,738	1,872	2,096	2,280	2,280	2,311	2,368	2,428	2,524	2,528	2,538	2,532
Goods.....	977	997	1,113	1,257	1,392	1,319	1,262	1,215	1,205	1,233	1,206	1,220	1,222
Durable goods.....	672	688	766	874	945	822	741	688	664	678	666	718	727
Nondurable goods.....	305	309	347	383	447	497	520	527	541	556	540	502	495
Foods, feeds, and beverages.....	193	192	220	229	243	258	264	277	288	305	322	319	323
Other nondurable goods.....	112	117	126	154	204	239	257	250	253	251	219	183	172
Services.....	1,552	1,665	1,753	1,891	1,964	2,075	2,184	2,156	2,233	2,323	2,402	2,436	2,467
Housing and utilities.....	407	432	461	498	526	587	632	653	655	710	745	785	785
Health care.....	121	131	150	163	175	189	216	231	243	268	288	294	292
Food services and accommodations.....	389	428	459	491	510	515	538	507	542	551	568	575	614
Other services.....	636	674	682	739	753	784	797	764	792	793	801	783	776
Net foreign travel.....	-878	-925	-994	-1,052	-1,077	-1,114	-1,135	-1,004	-1,011	-1,032	-1,080	-1,117	-1,157
Private fixed investment	494	367	413	531	591	529	476	393	380	363	263	274	285
Change in private inventories	-73	27	33	-5	-30	-540	180	210	-267	104	114	159	-16
Net exports of goods and services	410	584	734	1,040	765	1,532	240	123	580	100	163	-231	-193
Exports.....	4,809	6,520	8,604	11,632	12,730	14,141	18,412	10,717	12,945	14,371	3,278	2,524	2,840
Goods.....	3,911	5,575	7,587	10,556	11,628	13,002	17,255	9,696	11,922	13,329	2,186	1,395	1,671
Services.....	898	945	1,017	1,076	1,102	1,139	1,157	1,021	1,023	1,043	1,091	1,130	1,168
Imports.....	4,399	5,935	7,870	10,592	11,965	12,608	18,172	10,595	12,365	14,271	3,114	2,756	3,032
Goods.....	4,140	5,651	7,547	10,243	11,615	12,251	17,861	10,310	12,067	13,943	2,932	2,570	2,842
Services.....	260	284	323	349	350	357	311	285	298	329	182	185	190
Government consumption expenditures and gross investment	788	737	746	777	898	1,002	1,043	1,110	1,219	1,148	1,027	1,046	1,062
Federal.....	77	92	105	107	110	117	121	136	176	167	162	161	143
Territorial.....	711	645	641	670	789	885	922	974	1,043	981	865	885	919

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	3,891	3,878	3,992	4,137	4,287	4,460	4,502	4,203	4,241	3,895	3,310	3,135	3,116
Personal consumption expenditures	2,085	2,137	2,230	2,404	2,550	2,417	2,313	2,368	2,396	2,375	2,297	2,258	2,252
Goods.....	1,158	1,192	1,326	1,469	1,574	1,430	1,269	1,215	1,183	1,138	1,080	1,091	1,106
Durable goods.....	759	796	889	1,012	1,078	898	756	688	659	633	613	663	693
Nondurable goods.....	405	400	442	460	500	534	514	527	524	504	467	432	419
Foods, feeds, and beverages.....	243	238	269	268	268	277	267	277	287	293	291	279	275
Other nondurable goods.....	161	161	171	191	232	257	247	250	237	213	180	156	148
Services.....	1,979	2,038	2,082	2,154	2,174	2,184	2,195	2,156	2,205	2,220	2,224	2,191	2,192
Housing and utilities.....	561	568	585	610	642	646	625	653	647	652	641	637	635
Health care.....	161	163	176	185	193	200	222	231	240	262	279	282	279
Food services and accommodations.....	475	514	530	548	548	530	543	507	535	531	532	527	548
Other services.....	779	789	786	808	790	808	805	764	783	775	774	746	730
Net foreign travel.....	-1,052	-1,092	-1,177	-1,218	-1,195	-1,197	-1,153	-1,004	-992	-982	-1,005	-1,024	-1,047
Private fixed investment	635	460	493	595	624	540	475	393	379	356	253	261	268
Change in private inventories	-170	52	48	-5	-27	-435	111	210	-207	59	62	87	-10
Net exports of goods and services	313	347	269	186	210	920	498	123	511	67	-2	-120	-14
Exports.....	9,848	11,483	12,231	12,328	11,689	11,731	11,903	10,717	10,278	8,559	1,849	1,543	1,834
Goods.....	8,711	10,396	11,053	11,109	10,496	10,538	10,738	9,696	9,277	7,617	1,170	860	1,146
Services.....	1,079	1,118	1,205	1,245	1,222	1,222	1,173	1,021	1,004	992	1,015	1,035	1,056
Imports.....	9,536	11,136	11,961	12,142	11,478	10,811	11,405	10,595	9,768	8,492	1,851	1,662	1,848
Goods.....	9,196	10,820	11,622	11,795	11,141	10,469	11,106	10,310	9,482	8,226	1,728	1,539	1,723
Services.....	324	332	356	364	354	361	297	285	288	273	151	153	154
Government consumption expenditures and gross investment	1,001	894	914	915	959	1,048	1,057	1,110	1,168	1,098	998	984	966
Federal.....	105	116	126	120	119	121	122	136	170	155	150	146	127
Territorial.....	894	777	788	795	841	927	935	974	998	943	848	838	839
Addenda:													
Population (thousands) ¹	110.0	110.7	111.5	111.5	113.7	114.7	115.9	107.3	106.4	105.9	105.4	104.9	104.3
Per capita real GDP (chained dollars).....	35,373	35,032	35,803	37,103	37,704	38,884	38,844	39,171	39,859	36,780	31,404	29,886	29,875

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]											
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	-0.3	2.9	3.6	3.6	4.0	0.9	-6.6	0.9	-8.2	-15.0	-5.3	-0.6
Personal consumption expenditures	2.5	4.4	7.8	6.1	-5.2	-4.3	2.4	1.2	-0.9	-3.3	-1.7	-0.3
Goods.....	2.9	11.3	10.8	7.1	-9.1	-11.2	-4.2	-2.6	-3.9	-5.1	1.1	1.4
Durable goods.....	4.9	11.6	13.9	6.5	-16.7	-15.7	-9.0	-4.3	-3.9	-3.1	8.1	4.5
Nondurable goods.....	-1.3	10.4	4.2	8.5	6.9	-3.8	2.6	-0.6	-3.8	-7.4	-7.5	-2.9
Foods, feeds, and beverages.....	-1.9	12.9	-0.3	-0.3	3.6	-3.8	3.9	3.6	1.9	-0.6	-4.0	-1.7
Other nondurable goods.....	-0.1	6.3	11.8	21.5	10.7	-3.8	1.2	-5.0	-10.1	-15.9	-12.9	-5.1
Services.....	3.0	2.1	3.5	0.9	0.5	0.5	-1.8	2.3	0.7	0.2	-1.5	0.0
Housing and utilities.....	1.2	3.1	4.3	5.3	0.6	-3.3	4.5	-1.0	0.8	-1.7	-0.7	-0.2
Health care.....	1.3	8.2	4.7	4.8	3.4	10.9	4.4	3.8	9.1	6.4	1.2	-1.3
Food services and accommodations.....	8.1	3.1	3.3	0.1	-3.3	2.4	-6.5	5.5	-0.8	0.2	-1.0	4.0
Other services.....	1.3	-0.3	2.8	-2.2	2.2	-0.3	-5.2	2.5	-1.0	-0.2	-3.6	-2.1
Net foreign travel.....												
Private fixed investment.....	-27.7	7.2	20.9	4.7	-13.3	-12.1	-17.4	-3.5	-6.1	-28.8	2.9	2.7
Change in private inventories												
Net exports of goods and services												
Exports.....	16.6	6.5	0.8	-5.2	0.4	1.5	-10.0	-4.1	-16.7	-78.4	-16.6	18.9
Goods.....	19.3	6.3	0.5	-5.5	0.4	1.9	-9.7	-4.3	-17.9	-84.6	-26.5	33.2
Services.....	3.6	7.7	3.3	-1.8	0.0	-4.0	-13.0	-1.6	-1.3	2.4	1.9	2.1
Imports.....	16.8	7.4	1.5	-5.5	-5.8	5.5	-7.1	-7.8	-13.1	-78.2	-10.2	11.2
Goods.....	17.7	7.4	1.5	-5.5	-6.0	6.1	-7.2	-8.0	-13.2	-79.0	-10.9	11.9
Services.....	2.3	7.4	2.3	-2.9	1.9	-17.6	-4.0	0.9	-5.2	-44.8	1.3	0.9
Government consumption expenditures and gross investment	-10.7	2.2	0.1	4.8	9.2	0.8	5.1	5.1	-5.9	-9.1	-1.4	-1.8
Federal.....	11.0	8.1	-4.4	-1.4	1.8	1.0	11.7	24.8	-8.6	-3.8	-2.1	-13.0
Territorial.....	-13.1	1.4	0.9	5.8	10.3	0.8	4.2	2.4	-5.5	-10.1	-1.3	0.2
Addendum:												
GDP less petroleum exports, imports, and change in private inventories.....	-6.4	-3.3	2.5	3.5	-0.2	4.1	-6.4	0.3	-4.3	1.8	0.3	-1.3

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Percent change:												
Gross domestic product	-0.3	2.9	3.6	3.6	4.0	0.9	-6.6	0.9	-8.2	-15.0	-5.3	-0.6
Percentage points:												
Personal consumption expenditures	1.24	2.18	3.74	2.94	-2.69	-2.28	1.26	0.68	-0.48	-1.80	-1.07	-0.19
Goods.....	0.85	3.17	3.04	2.08	-2.85	-3.45	-1.22	-0.76	-1.06	-1.36	0.32	0.45
Durable goods.....	0.97	2.26	2.67	1.30	-3.54	-3.01	-1.53	-0.69	-0.59	-0.46	1.33	0.84
Nondurable goods.....	-0.12	0.91	0.38	0.77	0.69	-0.44	0.31	-0.07	-0.47	-0.91	-1.00	-0.39
Foods, feeds, and beverages.....	-0.11	0.71	-0.02	-0.02	0.20	-0.23	0.24	0.23	0.12	-0.04	-0.32	-0.15
Other nondurable goods.....	0.00	0.21	0.39	0.79	0.49	-0.22	0.07	-0.30	-0.59	-0.87	-0.68	-0.25
Services.....	1.41	1.02	1.57	0.40	0.20	0.23	-0.89	1.17	0.34	0.10	-0.90	0.03
Housing and utilities.....	0.15	0.39	0.50	0.60	0.07	-0.46	0.64	-0.15	0.13	-0.27	-0.13	-0.05
Health care.....	0.05	0.31	0.18	0.18	0.13	0.47	0.22	0.21	0.49	0.37	0.08	-0.10
Food services and accommodations.....	0.95	0.39	0.39	0.01	-0.38	0.28	-0.80	0.66	-0.10	0.03	-0.14	0.63
Other services.....	0.26	-0.06	0.49	-0.39	0.37	-0.06	-0.95	0.46	-0.18	-0.03	-0.72	-0.45
Net foreign travel.....	-1.01	-2.02	-0.87	0.46	-0.04	0.94	3.37	0.27	0.24	-0.54	-0.49	-0.67
Private fixed investment.....	-4.14	0.76	2.22	0.59	-1.75	-1.44	-1.89	-0.32	-0.52	-2.25	0.19	0.20
Change in private inventories	3.15	-0.05	-1.08	-0.51	-10.52	17.57	2.99	-11.21	8.93	0.12	1.13	-4.37
Net exports of goods and services	2.00	-0.41	-1.27	-0.30	17.18	-13.12	-10.21	10.38	-14.50	-8.86	-5.17	4.28
Exports.....	25.68	13.37	1.97	-14.85	1.07	5.39	-34.53	-11.66	-55.71	-246.37	-12.93	12.46
Goods.....	24.69	11.30	1.11	-14.40	1.07	6.44	-31.08	-11.26	-55.42	-246.91	-13.45	11.83
Services.....	0.98	2.06	0.86	-0.45	0.00	-1.05	-3.45	-0.40	-0.29	0.54	0.52	0.63
Imports.....	-23.68	-13.78	-3.24	14.55	16.10	-18.51	24.31	22.04	41.21	237.51	7.76	-8.18
Goods.....	-23.49	-13.17	-3.05	14.32	16.25	-19.95	24.03	22.10	40.84	234.36	7.82	-8.13
Services.....	-0.18	-0.61	-0.19	0.23	-0.14	1.44	0.28	-0.06	0.37	3.15	-0.06	-0.05
Government consumption expenditures and gross investment	-2.58	0.47	0.03	0.90	1.83	0.19	1.22	1.37	-1.60	-2.23	-0.36	-0.52
Federal.....	0.26	0.22	-0.12	-0.03	0.04	0.03	0.33	0.81	-0.34	-0.14	-0.08	-0.56
Territorial.....	-2.84	0.25	0.15	0.93	1.79	0.17	0.89	0.56	-1.26	-2.09	-0.27	0.04

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

	[Percent]											
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Gross domestic product	6.0	6.9	12.7	-2.1	2.5	-12.3	5.9	2.3	6.4	13.7	-2.4	-2.5
Personal consumption expenditures	2.7	3.2	3.8	2.6	5.5	5.9	0.1	1.3	4.9	3.6	2.1	0.0

Table D.1.6. Revisions to Percent Change in Real Gross Domestic Product, U.S. Virgin Islands

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Revised	-0.3	2.9	3.6	3.6	4.0	0.9	-6.6	0.9	-8.2	-15.0	-5.3
Previously published	-1.0	3.4	3.7	4.0	4.3	0.3	-5.5	1.3	-7.5	-13.8	-5.4
Percentage points:											
Revision	0.7	-0.5	-0.1	-0.4	-0.3	0.6	-1.1	-0.4	-0.7	-1.2	0.1

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

[Millions of dollars]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	3,269	3,453	3,799	4,439	4,504	4,803	4,250	4,203	4,339	4,239	4,095	3,785
Private industries	2,652	2,764	3,126	3,751	3,732	4,020	3,443	3,374	3,461	3,398	3,331	3,028
Goods-producing industries.....	710	730	1,016	1,482	1,446	1,487	993	1,042	1,035	955	824	597
Services-producing industries.....	1,943	2,034	2,110	2,269	2,286	2,533	2,450	2,332	2,426	2,443	2,507	2,432
Wholesale and retail trade.....	350	342	362	403	418	449	435	408	413	422	411	415
Accommodation and food services.....	267	284	308	325	330	405	424	400	428	436	450	455
Other services, except government.....	1,326	1,408	1,441	1,542	1,538	1,678	1,591	1,524	1,585	1,585	1,646	1,562
Government	617	689	674	688	772	783	807	829	878	841	764	757
Federal.....	83	92	108	112	117	120	125	130	141	139	139	140
Territorial.....	534	597	566	576	655	663	682	699	738	702	626	617

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	3,891	3,878	3,992	4,137	4,287	4,460	4,502	4,203	4,241	3,895	3,310	3,135
Private industries	3,132	3,073	3,189	3,335	3,471	3,634	3,661	3,374	3,408	3,086	2,568	2,427
Goods-producing industries.....	903	788	852	880	1,021	1,012	1,138	1,042	1,019	774	463	338
Services-producing industries.....	2,284	2,339	2,385	2,514	2,444	2,646	2,523	2,332	2,389	2,324	2,233	2,270
Wholesale and retail trade.....	408	390	400	431	436	464	442	408	408	410	388	388
Accommodation and food services.....	329	347	366	372	367	433	452	400	429	437	434	426
Other services, except government.....	1,545	1,599	1,618	1,708	1,639	1,747	1,629	1,524	1,552	1,479	1,414	1,458
Government	770	821	817	814	826	833	841	829	833	808	755	719
Federal.....	113	117	130	129	129	127	129	130	135	131	130	130
Territorial.....	657	704	687	685	697	707	712	699	697	677	624	588

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

[Percent]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gross domestic product	-0.3	2.9	3.6	3.6	4.0	0.9	-6.6	0.9	-8.2	-15.0	-5.3
Private industries	-1.9	3.8	4.6	4.1	4.7	0.8	-7.9	1.0	-9.5	-16.8	-5.5
Goods-producing industries.....	-12.8	8.2	3.2	16.0	-0.9	12.5	-8.5	-2.1	-24.1	-40.2	-27.0
Services-producing industries.....	2.4	2.0	5.4	-2.8	8.3	-4.6	-7.6	2.4	-2.7	-3.9	1.7
Wholesale and retail trade.....	-4.3	2.5	7.8	1.1	6.4	-4.7	-7.9	0.2	0.3	-5.3	0.0
Accommodation and food services.....	5.4	5.4	1.8	-1.3	17.9	4.4	-11.5	7.1	2.0	-0.8	-1.8
Other services, except government.....	3.6	1.2	5.6	-4.1	6.6	-6.8	-6.4	1.8	-4.7	-4.4	3.1
Government	6.6	-0.5	-0.3	1.5	0.9	0.9	-1.4	0.4	-3.0	-6.5	-4.8
Federal.....	3.6	11.6	-0.9	-0.1	-1.8	1.8	0.9	4.2	-3.3	-0.5	-0.3
Territorial.....	7.1	-2.4	-0.2	1.8	1.4	0.7	-1.8	-0.3	-2.9	-7.7	-5.8

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent change:											
Gross domestic product	-0.3	2.9	3.6	3.6	4.0	0.9	-6.6	0.9	-8.2	-15.0	-5.3
Percentage points:											
Private industries	-1.53	3.06	3.81	3.38	3.90	0.65	-6.38	0.82	-7.63	-13.88	-4.43
Goods-producing industries.....	-2.92	1.91	0.96	4.84	-0.29	3.27	-2.08	-0.53	-6.13	-11.76	-5.44
Services-producing industries.....	1.39	1.15	2.85	-1.46	4.18	-2.62	-4.29	1.35	-1.50	-2.12	1.01
Wholesale and retail trade.....	-0.45	0.25	0.71	0.10	0.59	-0.47	-0.79	0.02	0.03	-0.49	0.00
Accommodation and food services.....	0.43	0.43	0.14	-0.10	1.32	0.39	-1.15	0.66	0.19	-0.07	-0.20
Other services, except government.....	1.42	0.47	2.00	-1.46	2.27	-2.54	-2.36	0.66	-1.71	-1.56	1.21
Government	1.24	-0.09	-0.05	0.24	0.15	0.16	-0.26	0.08	-0.58	-1.16	-0.92
Federal.....	0.09	0.31	-0.02	0.00	-0.05	0.05	0.02	0.13	-0.10	-0.02	-0.01
Territorial.....	1.15	-0.40	-0.03	0.25	0.20	0.11	-0.28	-0.05	-0.48	-1.15	-0.91

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]

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total compensation	1,658	1,652	1,751	1,896	2,033	2,139	2,185	2,114	2,245	2,198	2,042	1,881
Private industries	1,049	1,003	1,123	1,257	1,306	1,399	1,411	1,318	1,393	1,386	1,319	1,157
Goods-producing industries.....	261	187	223	286	329	369	340	309	317	302	275	110
Services-producing industries.....	788	816	900	971	978	1,030	1,070	1,008	1,076	1,084	1,045	1,047
Wholesale and retail trade.....	169	172	184	189	191	201	205	197	198	209	209	236
Accommodation and food services.....	154	167	180	186	190	208	217	191	204	208	212	214
Other services, except government.....	464	477	535	596	596	621	649	620	674	668	624	597
Government	609	649	628	639	727	741	774	797	852	812	722	724
Federal.....	81	90	106	110	116	118	123	129	140	138	137	138
Territorial.....	528	559	522	529	611	622	651	668	712	674	585	586

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

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 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 ECIA 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 ECIA 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, 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 ECIA 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 ECIA—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 ECIA 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 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 were 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

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.

6. A small portion of PCE consists of 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.

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 spending. The estimates of government consumption expenditures and gross investment were prepared separately for the territorial governments and for the federal government sector. 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 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 ECIA. Current-dollar value added for most private industries was extrapolated using indicators such as gross business revenues and compensa-

tion. 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 sectors; the primary sources of information were the data sources identified above in "government spending."

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 ECIA 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 inputs prices increase at about the same rate as its output prices.

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, 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, Esther P. Kia'aina, Assistant Secretary for Insular Areas, and 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 Leauanae, Deputy Director, DOC; Etuale Tuileta, Chief Statistician, DOC; Mine Timoteo, Assistant Chief Statistician, DOC; Alex Zodiocal, Assistant to Administrator/Economic Development Division Manager; Ueligitone Tonumaip'e'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; Perry J. P. Tenorio, 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, Acting 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; Maria Connelley, 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; 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.