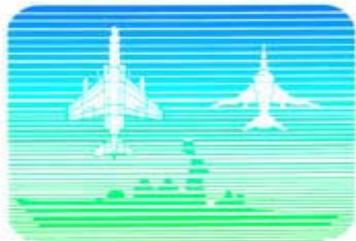


# *QUARTERLY STATISTICAL & ECONOMIC REPORT, Executive Summary 3rd Quarter 2016*



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**DBEDT**  
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
STATE OF HAWAII



This *Quarterly Statistical and Economic Report* has been prepared by the staff of the Research and Economic Analysis Division of the State Department of Business, Economic Development & Tourism (DBEDT). The report provides concise statistical information and analyses on Labor, Income and Prices, Taxes, Tourism, Construction, and other indicators, as well as an overview of the State of Hawaii and the four counties.

Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division would be happy to respond to any inquiries of a technical nature that readers may have (586-2466). The quarterly information contained in this report reflects data received by the Research Division on or before August 25, 2016.

#### On-line availability of *Quarterly Statistical and Economic Report*

Since 1988, the Hawaii Department of Business, Economic Development & Tourism has had the *State of Hawaii Data Book* available on-line to anyone with a personal computer and a modem. Since 1997, the *Quarterly Statistical and Economic Report*, *State of Hawaii Data Book* and other DBEDT publications and information have been made available via the Internet at <http://dbedt.hawaii.gov/economic/>.

Printing of the *QSER* was discontinued in March 2000. The full version and a *QSER Executive Summary* will be available on-line at <http://dbedt.hawaii.gov/economic/qser/>.

For further information about available data and sources, users should call the Research and Economic Analysis Division at (808) 586-2466.

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## STATE OF THE ECONOMY

Hawaii's major economic indicators were mostly positive in the second quarter of 2016. State general fund tax revenues, visitor arrivals, visitor expenditures, wage and salary jobs, private building permits, State CIP expenditures, and personal income all increased in the quarter, only government contracts awarded decreased compared to second quarter of 2015.

In the second quarter of 2016, the total number of visitors arriving by air to Hawaii increased 40,049 or 1.9 percent. Due to shorter lengths of stay, the daily visitor census increased 1.3 percent in the quarter. Since visitors spent more on a daily basis in second quarter 2016, total visitors by air spending increased 2.2 percent in the quarter. Historical data shows that after seventeen quarters of positive growth from the third quarter of 2009 to the third quarter of 2013, Hawaii's tourism sector experienced one quarter of negative growth in the fourth quarter of 2013. Since the first quarter of 2014, however, Hawaii's tourism sector returned to positive growth compared with the same quarter in the previous year.

In the second quarter of 2016, the construction sector added 6,200 jobs, the permit value for private construction increased \$119.8 million, and the State CIP expenditures increased \$70.2 million. However, government contracts awarded decreased \$323.8 million, compared with the same quarter of 2015. According to the most recent excise tax base data available, current construction put-in-place decreased \$56.0 million or 3.1 percent in the first quarter of 2016 compared with that quarter in 2015.

In the second quarter of 2016, State general fund tax revenues were up \$138.2 million or 9.0 percent over the same period of 2015. State general excise tax revenue increased \$28.6 million or 3.7 percent in the second quarter of 2016 compared to second quarter 2015. In the first half of 2016, State general fund tax revenues increased \$197.8 million or 6.7 percent and state general excise tax revenue increased \$64.7 million or 4.2 percent compared with the same period of last year.

Labor market conditions were positive. Since the fourth quarter of 2010, Hawaii's jobs increased for the 23<sup>rd</sup> consecutive quarter. In the second quarter of 2016 Hawaii's civilian non-agricultural wage and salary jobs averaged 649,100 jobs, an increase of 13,300 jobs or 2.1 percent from the same quarter of 2015.

The job increase in the second quarter of 2016 was due to a job increase in the private sector – about 14,200 non-agricultural jobs compared to the second quarter of 2015. Jobs increased the most in Natural Resources, Mining and Construction, adding 6,200 jobs or 18.3

percent. This was followed by Health Care and Social Assistance, adding 2,400 jobs or 3.6 percent, Food Services and Drinking Places, adding 2,300 jobs or 3.7 percent, and Accommodation, adding 800 jobs or 2.1 percent in the quarter. For the private sector, in the second quarter of 2016, only Wholesale Trade lost 300 jobs compared to the same quarter of 2015. The three levels of government lost 900 jobs or 0.7 percent in the second quarter of 2016 compared to the same quarter of 2015. The Federal Government jobs remained the same; the State Government lost 900 jobs or 1.2 percent, while the Local Government added 100 jobs or 0.5 percent compared to the second quarter of 2015.

The U.S. Bureau of Economic Analysis (BEA) estimates of quarterly GDP, introduced in QSER 2016Q1, show in the first quarter of 2016, total annualized nominal GDP increased \$2,889.0 million or 3.7 percent from the first quarter of 2015. In 2015, total annualized nominal GDP increased \$3,320.0 million or 4.3 percent from the previous year. In the first quarter of 2016, total annualized real GDP (in chained 2009 dollar) increased \$1,014.0 million or 1.4 percent from the first quarter of 2015. In 2015, total annualized real GDP increased \$1,183.0 million or 1.7 percent from the previous year.

In the first quarter of 2016, total non-farm private sector annualized earnings increased \$2,548.1 million or 7.8 percent from the first quarter of 2015. In dollar terms, the largest increase occurred in construction, followed by accommodation and food services, health care and social assistance, professional, scientific & technical services, administrative and waste management services, and transportation and warehousing. During the first quarter of 2016, total government earnings decreased \$2.6 million or 0.02 percent from the same quarter of 2015. Earnings from the federal government increased \$182.6 million or 2.2 percent. Earnings from the state and local governments decreased \$185.2 million or 2.8 percent in the quarter.

In the first half of 2016, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 2.4 percent from the same period in 2015. (Table B-12). This is in contrast to the 1.1 percent increase for the U.S. average CPI-U and is higher than the 2015 Honolulu CPI-U increase of 1.0 percent from the previous year. In the first half of 2016, the Honolulu CPI-U increased the most in Medical Care (9.4 percent), followed by Recreation (3.4 percent), Food and Beverages (3.3 percent), Education and Communication (2.5 percent), Housing (2.4 percent), Other Goods and Services (2.1 percent), and Apparel (0.8 percent). The price of Transportation decreased 3.0 percent compared to the first half of 2015.

**Table 1. 2016 QUARTERLY ECONOMIC INDICATORS:  
STATE OF HAWAII**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2015	2016	% CHANGE YEAR AGO	2015	2016	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	677,100	684,650	1.1	675,750	686,650	1.6
Civilian employed, NSA	651,450	661,500	1.5	649,650	664,250	2.2
Civilian unemployed, NSA	25,700	23,150	-9.9	26,100	22,450	-14.0
Unemployment rate, NSA (%) 1/ 2/	3.8	3.4	-0.4	3.9	3.3	-0.6
Total wage and salary jobs, NSA	641,800	655,100	2.1	640,300	653,900	2.1
Total non-agric. wage & salary jobs	635,800	649,100	2.1	634,300	647,900	2.1
Nat. Resources, Mining, Constr.	33,800	40,000	18.3	33,100	39,400	19.0
Manufacturing	13,900	13,900	0.0	14,000	14,000	0.0
Wholesale Trade	17,900	17,600	-1.7	17,900	17,700	-1.1
Retail Trade	69,900	69,900	0.0	70,100	70,200	0.1
Transp., Warehousing, Util.	30,800	31,000	0.6	30,800	30,900	0.3
Information	8,300	8,600	3.6	8,400	8,700	3.6
Financial Activities	28,200	28,400	0.7	28,100	28,400	1.1
Professional & Business Services	83,200	83,800	0.7	83,100	84,000	1.1
Educational Services	14,500	15,100	4.1	14,400	14,900	3.5
Health Care & Social Assistance	66,600	69,000	3.6	66,500	68,900	3.6
Arts, Entertainment & Recreation	11,700	12,200	4.3	11,700	12,000	2.6
Accommodation	39,000	39,800	2.1	39,100	39,800	1.8
Food Services & Drinking Places	63,000	65,300	3.7	62,700	65,200	4.0
Other Services	26,700	27,000	1.1	26,700	27,000	1.1
Government	128,200	127,300	-0.7	127,700	127,000	-0.5
Federal	33,000	33,000	0.0	33,000	33,100	0.3
State	76,200	75,300	-1.2	75,900	75,100	-1.1
Local	18,900	19,000	0.5	18,800	18,900	0.5
Agriculture wage and salary jobs	6,000	6,000	0.0	6,000	6,000	0.0
State general fund revenues (\$1,000)	1,529,142	1,667,347	9.0	2,973,705	3,171,502	6.7
General excise and use tax revenues	773,665	802,314	3.7	1,555,966	1,620,630	4.2
Income-individual	570,972	601,784	5.4	1,035,202	1,097,782	6.0
Declaration estimated taxes	248,855	230,569	-7.3	365,385	354,879	-2.9
Payment with returns	118,647	125,331	5.6	138,524	147,591	6.5
Withholding tax on wages	440,317	459,476	4.4	875,881	928,814	6.0
Refunds ('-' indicates relative to State)	-236,847	-213,444	-9.9	-344,588	-333,354	-3.3
Transient accommodations tax	109,810	111,609	1.6	223,646	235,401	5.3
Honolulu County Surcharge 3/	58,145	(NA)	(NA)	130,389	(NA)	(NA)
Private Building Permits (\$1,000)	840,376	960,150	14.3	2,137,980	1,505,717	-29.6
Residential	412,746	429,603	4.1	895,251	652,669	-27.1
Commercial & industrial	113,926	75,570	-33.7	497,536	105,753	-78.7
Additions & alterations	313,704	454,977	45.0	745,194	747,295	0.3
Visitor Days - by air	18,962,436	19,214,107	1.3	39,133,990	39,819,929	1.8
Domestic visitor days - by air	14,352,617	14,387,986	0.2	28,610,383	28,821,407	0.7
International visitor days - by air	4,609,818	4,826,121	4.7	10,523,608	10,998,522	4.5
Visitor arrivals by air - by air	2,145,806	2,185,900	1.9	4,243,668	4,359,246	2.7
Domestic flight visitors - by air	1,513,399	1,532,744	1.3	2,885,379	2,960,608	2.6
International flight visitors - by air	632,407	653,156	3.3	1,358,289	1,398,638	3.0
Visitor expend. - arrivals by air (\$1,000)	3,630,552	3,710,553	2.2	7,450,519	7,684,752	3.1
Hotel occupancy rates (%) 2/	77.9	(NA)	(NA)	79.1	(NA)	(NA)

1/ Labor force and jobs are Hawaii DLIR monthly and annual data. Quarterly averages computed by the Hawaii DBEDT.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ 0.5% added to the general excise tax to pay for O'ahu's mass transit system and took effect January 1, 2007.

Includes taxpayers who have business activities on Oahu but whose businesses are located outside Oahu.

Source: Hawaii State Department of Business, Economic Development, & Tourism <<http://www.hawaii.gov/dbedt/inf/>>.

Hawaii State Department of Labor & Industrial Relations <<http://www.hiwi.org/cgi/dataanalysis/?PAGEID=94>>;

Hawaii State Department of Taxation <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)> and Hospitality Advisors, LLC.

8/18/2016

## OUTLOOK FOR THE ECONOMY

Hawaii's economy is expected to continue positive growth for the rest of 2016 and into 2017. This outlook is based on the most recent developments in the national and global economies, the performance of Hawaii's tourism industry, labor market conditions, and the growth of personal income and tax revenues.

Hawaii's economy depends significantly on conditions in the U.S. economy and key international economies, especially Japan. According to the August 2016 *Blue Chip Economic Consensus Forecasts*, U.S. real GDP is expected to increase by 1.5 percent in 2016, 0.3 of a percentage point lower than the 1.8 percent growth rate projected in the May 2016 forecast. For 2017 the consensus forecast predicts an overall 2.2 percent growth in U.S. real GDP.

According to the August 2016 *Blue Chip Economic Consensus Forecast*, real GDP growth for Japan is now expected to increase 0.5 percent in 2016; 0.1 of a percentage point lower than the growth rate projected in the May 2016 forecast. For 2017, the consensus forecast now expects an overall 0.7 percent growth rate for Japanese real GDP.

For the local economy, DBEDT expects that visitor expenditures will grow at a slightly higher rate than projected in the previous forecast for 2016 but slightly lower for 2017. For GDP growth, the current forecast was slightly lower than the previous forecast.

Overall, Hawaii's economy, as measured by real GDP, is projected to show a 1.9 percent increase in 2016; 0.4 of a percentage point below the growth rate forecasted last quarter. The real GDP growth forecast in 2017 is also 1.9 percent; 0.5 of a percentage point below the previous forecast.

Hawaii's unemployment rate is projected to be 3.2 percent in 2016, same as the previous forecast. The unemployment rate in 2017 is now projected to be 3.4 percent, 0.2 of a percentage point above the previous forecast.

Visitor arrivals are expected to increase 1.9 percent in 2016, 0.3 of a percentage point below the previous forecast. The forecast for visitor days in 2016 decreased 0.4 of a percentage point to 1.6 percent. The forecast for visitor expenditure growth in 2016 was revised upward to 3.2 percent, from 2.5 percent growth projected in the previous forecast. For 2017, the growth rate of visitor arrivals, visitor days, and visitor expenditures are now expected to be 1.7 percent, 1.8 percent, and 3.4 percent, respectively.

The projection for the non-agricultural wage and salary job growth rate for 2016 is 1.8 percent, same as the previous forecast. In 2017, jobs are projected to increase 1.2 percent, also same as the previous forecast.

The Honolulu Consumer Price Index (CPI) is now expected to increase 2.3 percent in 2016, 0.3 of a percentage point higher than the previous forecast. In 2017, the CPI is projected to increase 2.2 percent, same as the previous forecast.

Personal income in current dollars is now expected to increase 4.8 percent in 2016, same as the previous forecast. Real personal income is now projected to grow 2.8 percent in 2016; 0.2 of a percentage point below the previous forecast. In 2017, current-dollar personal income and real personal income are expected to increase 4.7 percent and 2.6 percent, respectively.

Beyond 2017, the economy is expected to continue its expansion path, with job growth projected to be 1.1 percent in 2018 and 2019. Visitor arrivals are expected to increase 1.8 percent in 2018 and 1.7 percent in 2019. Visitor expenditures are expected to increase 4.1 percent in 2018 and 2019. Real personal income is projected to increase 2.6 percent in 2018 and 2.5 percent in 2019. Hawaii's real GDP growth is expected to increase 2.0 percent in 2018 and 2019. The unemployment rate is expected to increase to 3.5 percent in 2018 and 3.6 percent in 2019.

**ACTUAL AND FORECAST KEY ECONOMIC INDICATORS FOR HAWAII:  
2014 TO 2019**

Economic Indicators	2014	2015	2016	2017	2018	2019
	(Actual)		(Forecast)			
Total population (thousands)	1,420	1,432	1,443	1,455	1,468	1,481
Visitor arrivals (thousands) 1/	8,321	8,680	8,844	8,997	9,157	9,317
Visitor days (thousands) 1/	75,932	78,620	79,911	81,335	82,803	84,279
Visitor expenditures (million dollars) 1/	14,973	15,111	15,598	16,124	16,793	17,484
Honolulu CPI-U (1982-84=100)	257.6	260.2	266.1	272.0	278.3	284.9
Personal income (million dollars)	65,348	68,452	71,738	75,104	78,666	82,443
Real personal income (millions of 2009\$) 2/	51,354	53,397	54,892	56,320	57,784	59,228
Non-agricultural wage & salary jobs (thousands)	627.2	636.9	648.4	656.1	663.4	670.7
Civilian unemployment rate 3/	4.4	3.6	3.2	3.4	3.5	3.6
Gross domestic product (million dollars)	76,425	79,745	82,855	85,921	89,299	92,779
Real gross domestic product (millions of 2009\$)	69,662	70,845	72,156	73,561	75,027	76,498
Gross domestic product deflator (2009=100)	109.7	112.6	114.8	116.8	119.0	121.3
Annual Percentage Change						
Total population	0.8	0.8	0.8	0.8	0.9	0.9
Visitor arrivals 1/	1.8	4.3	1.9	1.7	1.8	1.7
Visitor days 1/	1.3	3.5	1.6	1.8	1.8	1.8
Visitor expenditures 1/	3.1	0.9	3.2	3.4	4.1	4.1
Honolulu CPI-U	1.4	1.0	2.3	2.2	2.3	2.4
Personal income	4.7	4.8	4.8	4.7	4.7	4.8
Real personal income 2/	3.9	4.0	2.8	2.6	2.6	2.5
Non-agricultural wage & salary jobs	1.4	1.5	1.8	1.2	1.1	1.1
Civilian unemployment rate 3/	-0.5	-0.8	-0.4	0.2	0.1	0.1
Gross domestic product	3.3	4.3	3.9	3.7	3.9	3.9
Real gross domestic product	0.8	1.7	1.9	1.9	2.0	2.0
Gross domestic product deflator (2009=100)	2.4	2.6	2.0	1.7	1.9	1.9

1/ Visitors who came to Hawaii by air or by cruise ship. Expenditures includes supplementary expenditures estimated by HTA

2/ Using personal income deflator developed by the U.S. Bureau of Economic Analysis and estimated by DBEDT.

3/ Absolute change from previous year.

Source: Hawaii State Department of Business, Economic Development & Tourism, August 29, 2016.

## COUNTY ECONOMIC CONDITIONS

Overall economic conditions were mostly positive across the counties in the second quarter of 2016. The unemployment rate decreased and total non-agricultural wage and salary jobs increased in all counties. Total visitor days and total visitor arrivals by air increased in all counties, except Hawaii County. The value of private building permits increased in Honolulu, Hawaii, and Kauai counties, but decreased in Maui County.

In the second quarter of 2016, the unemployment rate in all counties decreased. The unemployment rate in Honolulu decreased 0.6 of a percentage point from 3.6 percent to 3.0 percent; the unemployment rate in Maui County decreased 0.5 of a percentage point from 3.9 percent to 3.4 percent; the unemployment rate in Hawaii County decreased 0.4 percentage point from 4.7 percent to 4.3 percent; and the unemployment rate in Kauai County decreased 0.5 of a percentage point from 4.2 percent to 3.7 percent.

In the second quarter of 2016, Honolulu gained 7,800 or 1.7 percent of non-agricultural wage and salary jobs over the same quarter of 2015. Natural Resources, Mining, and Construction added the most jobs (4,600 jobs), followed by Health Care and Social Assistance (1,000 jobs), Professional & Business Services (700 jobs), Arts, Entertainment & Recreation (700 jobs), and Educational Services (700 jobs). The Government sector lost 700 jobs. The largest private sector job losses occurred in Retail Trade (500 jobs lost), followed by Transportation, Warehousing, and Utilities (200 jobs lost), and Wholesale Trade (200 jobs lost).

In the second quarter of 2016, Hawaii County added 2,400 non-agricultural wage and salary jobs or 3.7 percent over the same quarter of 2015. Food Services and Drinking Places and Natural Resources, Mining, and Construction added the most jobs (both added 900 jobs), followed by Health Care and Social Assistance (800 jobs), Accommodation (200 jobs), Transportation, Warehousing, and Utilities (200 jobs), and Retail Trade (200 jobs). The largest private sector job losses occurred in Arts,

Entertainment & Recreation (400 jobs lost), followed by Professional & Business Services (300 jobs lost), and Financial Activities (200 jobs lost). The Government sector lost 100 jobs.

Maui County saw a net gain of 2,300 jobs or a 3.2 percent increase in the second quarter of 2016 over the same quarter of 2015. Jobs gained the most in Arts, Entertainment & Recreation (500 jobs), followed by Health Care and Social Assistance (300 jobs), and Professional & Business Services (300 jobs). Government lost 100 jobs in the quarter.

In the second quarter of 2016, Kauai County gained 800 wage and salary jobs or 2.7 percent from the same quarter of 2015. Food Services and Drinking Places added 600 jobs in the quarter. Natural Resources, Mining, and Construction and Health Care and Social Assistance each added 400 jobs. The largest private sector job losses occurred in Arts, Entertainment and Recreation (300 jobs lost), followed by Professional & Business Services (200 jobs lost). Government jobs remained the same in the quarter.

In the second quarter of 2016, visitor days and visitor arrivals by air increased in all counties except Hawaii County. Visitor arrivals by air increased 1.7 percent in Honolulu, 3.3 percent in Maui, 0.1 percent in Kauai, but decreased 0.1 percent in Hawaii County. Visitor days increased 1.8 percent in Honolulu, 2.1 percent in Maui, 0.2 percent in Kauai, but decreased 0.8 percent in Hawaii County compared to the same quarter of 2015.

In the second quarter of 2016, the growth rate of private building permits in Maui was negative, but the growth rates were positive in all other counties. In this quarter, Honolulu private building permits increased \$142.4 million or 30.6 percent, Kauai (only residential available) increased \$8.0 million or 23.3 percent, Hawaii County increased \$1.6 million or 0.8 percent, only Maui decreased \$32.3 million or 25.6 percent from the same quarter of the previous year.

**Table 2. 2016 QUARTERLY ECONOMIC INDICATORS:  
CITY AND COUNTY OF HONOLULU**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2015	2016	% CHANGE YEAR AGO	2015	2016	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	468,850	471,250	0.5	468,450	473,400	1.1
Civilian employed	452,100	456,350	0.9	451,500	458,950	1.7
Civilian unemployed	16,700	14,900	-10.8	16,950	14,450	-14.7
Unemployment rate, NSA (%) 1/ 2/	3.6	3.1	-0.5	3.6	3.1	-0.5
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	467,700	475,500	1.7	466,900	474,700	1.7
Nat. Resources, Mining, Constr.	24,900	29,500	18.5	24,400	29,300	20.1
Manufacturing	11,100	11,000	-0.9	11,200	11,100	-0.9
Wholesale Trade	14,200	14,000	-1.4	14,200	14,000	-1.4
Retail Trade	47,400	46,900	-1.1	47,700	47,100	-1.3
Transp., Warehousing, Util.	22,200	22,000	-0.9	22,200	21,900	-1.4
Information	6,900	7,100	2.9	7,000	7,200	2.9
Financial Activities	21,200	21,500	1.4	21,100	21,500	1.9
Professional & Business Services	67,400	68,100	1.0	67,300	68,200	1.3
Educational Services	12,000	12,700	5.8	11,900	12,400	4.2
Health Care & Social Assistance	51,600	52,600	1.9	51,500	52,700	2.3
Arts, Entertainment & Recreation	7,100	7,800	9.9	7,200	7,600	5.6
Accommodation	16,900	17,400	3.0	17,000	17,300	1.8
Food Services & Drinking Places	43,400	44,000	1.4	43,200	44,100	2.1
Other Services	20,900	20,900	0.0	20,900	20,900	0.0
Government	100,500	99,800	-0.7	100,100	99,500	-0.6
Federal	30,400	30,400	0.0	30,400	30,500	0.3
State	57,900	57,100	-1.4	57,600	56,900	-1.2
Local	12,200	12,200	0.0	12,100	12,200	0.8
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	669,104	(NA)	(NA)	1,336,173	(NA)	(NA)
Income-individual	495,348	(NA)	(NA)	915,253	(NA)	(NA)
Declaration estimated taxes	197,657	(NA)	(NA)	297,973	(NA)	(NA)
Payment with returns	88,677	(NA)	(NA)	102,274	(NA)	(NA)
Withholding tax on wages	393,110	(NA)	(NA)	779,983	(NA)	(NA)
Refunds	-184,096	(NA)	(NA)	-264,977	(NA)	(NA)
Transient accommodations tax	86,904	(NA)	(NA)	174,771	(NA)	(NA)
Honolulu County Surcharge 3/	57,408	(NA)	(NA)	128,916	(NA)	(NA)
Private Building Permits (\$1,000)	465,408	607,763	30.6	1,176,741	949,249	-19.3
Residential	187,038	212,887	13.8	480,548	312,651	-34.9
Commercial & industrial	43,406	28,281	-34.8	95,604	36,741	-61.6
Additions & alterations	234,965	366,596	56.0	600,589	599,856	-0.1
Visitor Days - by air	9,006,116	9,167,279	1.8	17,836,930	18,216,043	2.1
Domestic visitor days - by air	5,474,108	5,431,961	-0.8	10,471,250	10,554,385	0.8
International visitor days - by air	3,532,008	3,735,318	5.8	7,365,680	7,661,658	4.0
Visitor arrivals by air - by air	1,333,464	1,355,549	1.7	2,598,525	2,655,031	2.2
Domestic flight visitors - by air	759,018	761,484	0.3	1,416,412	1,442,957	1.9
International flight visitors - by air	574,446	594,065	3.4	1,182,113	1,212,074	2.5
Visitor expenditures - by air (\$1,000)	1,780,177	1,769,189	-0.6	3,599,210	3,479,535	-3.3
Hotel occupancy rates 2/	84.3	(NA)	(NA)	83.9	(NA)	(NA)

NA Not available.

1/ Labor force and jobs are Hawaii DLIR monthly and annual data. Quarterly averages computed by the Hawaii DBEDT.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ 0.5% added to the general excise tax to pay for O'ahu's mass transit system and took effect January 1, 2007.

Includes taxpayers who have business activities on Oahu but whose businesses are located outside Oahu.

Source: Hawaii State Department of Business, Economic Development, & Tourism <<http://www.hawaii.gov/dbedt/inf>>,

Hawaii State Department of Labor & Industrial Relations <<http://www.hiwi.org/cgi/dataanalysis/?PAGEID=94>>;

Hawaii State Department of Taxation <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)> and Hospitality Advisors, LLC.

8/18/2016



**Table 3. 2016 QUARTERLY ECONOMIC INDICATORS: HAWAII COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2015	2016	% CHANGE YEAR AGO	2015	2016	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	88,900	91,600	3.0	88,400	91,450	3.5
Civilian employed	84,750	87,650	3.4	84,200	87,750	4.2
Civilian unemployed	4,200	3,950	-6.0	4,200	3,750	-10.7
Unemployment rate, NSA (%) 1/ 2/	4.7	4.3	-0.4	4.8	4.1	-0.7
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	65,100	67,500	3.7	65,000	67,500	3.8
Nat. Resources, Mining, Constr.	3,800	4,700	23.7	3,700	4,500	21.6
Manufacturing	1,100	1,200	9.1	1,200	1,200	0.0
Wholesale Trade	1,700	1,600	-5.9	1,700	1,600	-5.9
Retail Trade	9,000	9,200	2.2	9,000	9,200	2.2
Transp., Warehousing, Util.	3,100	3,300	6.5	3,100	3,300	6.5
Information	600	700	16.7	600	700	16.7
Financial Activities	2,700	2,500	-7.4	2,700	2,500	-7.4
Professional & Business Services	6,100	5,800	-4.9	6,200	5,900	-4.8
Educational Services	1,200	1,200	0.0	1,200	1,300	8.3
Health Care & Social Assistance	7,100	7,900	11.3	7,100	7,700	8.5
Arts, Entertainment & Recreation	1,300	900	-30.8	1,300	1,000	-23.1
Accommodation	6,100	6,300	3.3	6,100	6,300	3.3
Food Services & Drinking Places	6,100	7,000	14.8	6,100	7,100	16.4
Other Services	1,900	2,000	5.3	1,900	2,000	5.3
Government	13,300	13,200	-0.8	13,300	13,200	-0.8
Federal	1,400	1,300	-7.1	1,400	1,300	-7.1
State	9,200	9,200	0.0	9,200	9,200	0.0
Local	2,700	2,700	0.0	2,700	2,700	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	43,934	(NA)	(NA)	89,402	(NA)	(NA)
Income-individual	31,178	(NA)	(NA)	49,446	(NA)	(NA)
Declaration estimated taxes	20,100	(NA)	(NA)	26,553	(NA)	(NA)
Payment with returns	11,915	(NA)	(NA)	14,194	(NA)	(NA)
Withholding tax on wages	19,698	(NA)	(NA)	40,609	(NA)	(NA)
Refunds	-20,535	(NA)	(NA)	-31,910	(NA)	(NA)
Transient accommodations tax	7,506	(NA)	(NA)	16,723	(NA)	(NA)
Honolulu County Surcharge 3/	234	(NA)	(NA)	504	(NA)	(NA)
Private Building Permits (\$1,000)	214,771	216,414	0.8	353,380	306,520	-13.3
Residential	147,618	129,811	-12.1	232,403	184,838	-20.5
Commercial & industrial	9,466	19,817	109.4	22,674	26,089	15.1
Additions & alterations	57,687	66,785	15.8	98,303	95,592	-2.8
Visitor Days - by air	2,620,792	2,599,926	-0.8	5,870,656	5,878,659	0.1
Domestic visitor days - by air	2,273,390	2,270,019	-0.1	4,964,175	4,932,771	-0.6
International visitor days - by air	347,402	329,908	-5.0	906,481	945,888	4.3
Visitor arrivals by air - by air	372,757	372,451	-0.1	766,546	767,421	0.1
Domestic flight visitors - by air	289,950	293,049	1.1	581,954	585,070	0.5
International flight visitors - by air	82,807	79,402	-4.1	184,592	182,351	-1.2
Visitor expenditures - by air (\$1,000)	448,900	461,302	2.8	926,873	1,025,999	10.7
Hotel occupancy rates 2/	65.3	(NA)	(NA)	69.1	(NA)	(NA)

NA Not available.

1/ Labor force and jobs are Hawaii DLIR monthly and annual data. Quarterly averages computed by the Hawaii DBEDT.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ 0.5% added to the general excise tax to pay for O'ahu's mass transit system and took effect January 1, 2007.

Includes taxpayers who have business activities on Oahu but whose businesses are located outside Oahu.

Source: Hawaii State Department of Business, Economic Development, & Tourism <<http://www.hawaii.gov/dbedt/inf/>>,

Hawaii State Department of Labor & Industrial Relations <<http://www.hawaii.gov/dli/dataanalysis/?PAGEID=94>>;

Hawaii State Department of Taxation <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)> and Hospitality Advisors, LLC.

8/18/2016

**Table 4. 2016 QUARTERLY ECONOMIC INDICATORS: MAUI COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2015	2016	% CHANGE YEAR AGO	2015	2016	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	84,000	85,700	2.0	83,750	85,800	2.4
Civilian employed	80,750	82,750	2.5	80,400	82,900	3.1
Civilian unemployed	3,300	2,950	-10.6	3,400	2,950	-13.2
Unemployment rate, NSA (%) 1/ 2/	3.9	3.4	-0.5	4.0	3.4	-0.6
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	72,900	75,200	3.2	72,700	74,900	3.0
Nat. Resources, Mining, Constr.	3,700	3,900	5.4	3,500	3,900	11.4
Manufacturing	1,200	1,300	8.3	1,200	1,200	0.0
Wholesale Trade	1,500	1,500	0.0	1,500	1,500	0.0
Retail Trade	9,600	9,800	2.1	9,600	9,800	2.1
Transp., Warehousing, Util.	3,900	4,100	5.1	4,000	4,100	2.5
Information	600	500	-16.7	600	600	0.0
Financial Activities	2,900	3,000	3.4	2,900	2,900	0.0
Professional & Business Services	6,900	7,200	4.3	6,900	7,100	2.9
Educational Services	1,100	1,100	0.0	1,100	1,100	0.0
Health Care & Social Assistance	5,400	5,700	5.6	5,400	5,700	5.6
Arts, Entertainment & Recreation	2,100	2,600	23.8	2,000	2,600	30.0
Accommodation	11,800	11,900	0.8	11,800	12,000	1.7
Food Services & Drinking Places	9,500	9,700	2.1	9,500	9,700	2.1
Other Services	3,000	3,100	3.3	2,900	3,100	6.9
Government	9,800	9,700	-1.0	9,800	9,700	-1.0
Federal	800	800	0.0	800	800	0.0
State	6,300	6,200	-1.6	6,400	6,300	-1.6
Local	2,700	2,700	0.0	2,700	2,700	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	50,622	(NA)	(NA)	102,431	(NA)	(NA)
Income-individual	31,943	(NA)	(NA)	50,995	(NA)	(NA)
Declaration estimated taxes	22,819	(NA)	(NA)	29,788	(NA)	(NA)
Payment with returns	12,732	(NA)	(NA)	15,574	(NA)	(NA)
Withholding tax on wages	19,629	(NA)	(NA)	39,637	(NA)	(NA)
Refunds	-23,238	(NA)	(NA)	-34,004	(NA)	(NA)
Transient accommodations tax	9,641	(NA)	(NA)	20,715	(NA)	(NA)
Honolulu County Surcharge 3/	394	(NA)	(NA)	772	(NA)	(NA)
Private Building Permits (\$1,000)	125,814	93,564	-25.6	554,718	185,683	-66.5
Residential	43,707	44,496	1.8	129,159	90,914	-29.6
Commercial & industrial	61,054	27,472	-55.0	379,257	42,922	-88.7
Additions & alterations	21,052	21,596	2.6	46,302	51,847	12.0
Visitor Days - by air	5,104,585	5,210,828	2.1	10,875,059	11,146,476	2.5
Domestic visitor days - by air	4,515,396	4,597,572	1.8	9,088,263	9,217,671	1.4
International visitor days - by air	589,190	613,256	4.1	1,786,796	1,928,805	7.9
Visitor arrivals by air - by air	652,646	673,945	3.3	1,306,914	1,337,816	2.4
Domestic flight visitors - by air	555,813	572,464	3.0	1,061,613	1,087,916	2.5
International flight visitors - by air	96,833	101,481	4.8	245,301	249,899	1.9
Visitor expenditures - by air (\$1,000)	1,017,277	1,073,635	5.5	2,141,679	2,358,429	10.1
Hotel occupancy rates 2/	73.9	(NA)	(NA)	76.4	(NA)	(NA)

NA Not available.

1/ Labor force and jobs are Hawaii DLIR monthly and annual data. Quarterly averages computed by the Hawaii DBEDT.

2/ Change represents absolute change in rates rather than percentage change in rates.

3/ 0.5% added to the general excise tax to pay for O'ahu's mass transit system and took effect January 1, 2007.

Includes taxpayers who have business activities on Oahu but whose businesses are located outside Oahu.

Source: Hawaii State Department of Business, Economic Development, & Tourism <<http://www.hawaii.gov/dbedt/inf/>>,

Hawaii State Department of Labor & Industrial Relations <<http://www.hiwi.org/cgi/dataanalysis/?PAGEID=94>>;

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**Table 5. 2016 QUARTERLY ECONOMIC INDICATORS: KAUAI COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2015	2016	% CHANGE YEAR AGO	2015	2016	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	35,350	36,050	2.0	35,150	35,950	2.3
Civilian employed	33,850	34,700	2.5	33,650	34,650	3.0
Civilian unemployed	1,500	1,300	-13.3	1,550	1,300	-16.1
Unemployment rate, NSA (%) 1/ 2/	4.2	3.7	-0.5	4.3	3.6	-0.7
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	29,900	30,700	2.7	29,900	30,600	2.3
Nat. Resources, Mining, Constr.	1,500	1,900	26.7	1,500	1,800	20.0
Manufacturing	400	400	0.0	400	400	0.0
Wholesale Trade	500	500	0.0	500	600	20.0
Retail Trade	3,900	4,000	2.6	3,900	4,100	5.1
Transp., Warehousing, Util.	1,500	1,500	0.0	1,500	1,500	0.0
Information	200	200	0.0	200	200	0.0
Financial Activities	1,500	1,400	-6.7	1,500	1,400	-6.7
Professional & Business Services	2,900	2,700	-6.9	2,900	2,800	-3.4
Educational Services	200	100	-50.0	200	100	-50.0
Health Care & Social Assistance	2,500	2,900	16.0	2,500	2,800	12.0
Arts, Entertainment & Recreation	1,200	900	-25.0	1,200	900	-25.0
Accommodation	4,200	4,200	0.0	4,200	4,200	0.0
Food Services & Drinking Places	3,900	4,500	15.4	3,900	4,400	12.8
Other Services	1,000	1,000	0.0	1,000	1,000	0.0
Government	4,600	4,600	0.0	4,600	4,600	0.0
Federal	500	500	0.0	500	500	0.0
State	2,800	2,800	0.0	2,800	2,800	0.0
Local	1,300	1,300	0.0	1,300	1,300	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	10,004	(NA)	(NA)	27,961	(NA)	(NA)
Income-individual	12,503	(NA)	(NA)	19,508	(NA)	(NA)
Declaration estimated taxes	8,279	(NA)	(NA)	11,072	(NA)	(NA)
Payment with returns	5,323	(NA)	(NA)	6,482	(NA)	(NA)
Withholding tax on wages	7,880	(NA)	(NA)	15,651	(NA)	(NA)
Refunds	-8,978	(NA)	(NA)	(13,697)	(NA)	(NA)
Transient accommodations tax	5,758	(NA)	(NA)	11,436	(NA)	(NA)
Honolulu County Surcharge 3/	109	(NA)	(NA)	196	(NA)	(NA)
Private Building Permits (\$1,000)	34,383	42,409	23.3	53,141	64,265	20.9
Residential	34,383	42,409	23.3	53,141	64,265	20.9
Commercial & industrial	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Additions & alterations	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Visitor Days - by air	2,230,942	2,236,074	0.2	4,551,345	4,578,752	0.6
Domestic visitor days - by air	2,089,723	2,088,435	-0.1	4,086,694	4,116,580	0.7
International visitor days - by air	141,219	147,639	4.5	464,650	462,171	-0.5
Visitor arrivals by air - by air	302,230	302,531	0.1	589,652	582,911	-1.1
Domestic flight visitors - by air	269,827	272,304	0.9	509,529	510,149	0.1
International flight visitors - by air	32,403	30,226	-6.7	80,123	72,762	-9.2
Visitor expenditures - by air (\$1,000)	384,198	406,427	5.8	782,757	820,790	4.9
Hotel occupancy rates 2/	69.9	(NA)	(NA)	72.9	(NA)	(NA)

NA Not available.

1/ Labor force and jobs are Hawaii DLIR monthly and annual data. Quarterly averages computed by the Hawaii DBEDT.

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Hawaii State Department of Labor & Industrial Relations <<http://www.hiwi.org/cgi/dataanalysis/?PAGEID=94>>;

Hawaii State Department of Taxation <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)> and Hospitality Advisors, LLC.

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## A. LABOR FORCE AND JOBS

Hawaii's labor market conditions continued to improve in the second quarter of 2016. Since the civilian labor force increased less than the civilian employment, the civilian unemployment rate decreased 0.4 of a percentage point in the quarter. For the 23<sup>rd</sup> consecutive quarter-over-quarter, civilian non-agricultural wage and salary jobs increased.

In the second quarter of 2016, the civilian labor force averaged 684,650 people, an increase of 7,550 people or 1.1 percent from the same quarter of 2015 (Table A-1). In the first half of 2016, the civilian labor force increased 10,950 people or 1.6 percent from the same period last year.

Civilian employment totaled 661,500 people in the second quarter of 2016, an increase of 10,050 people or 1.5 percent compared to the same quarter of 2015 (Table A-2). This is the 15<sup>th</sup> quarter-over-quarter increase. In the first half of 2016, average civilian employment increased 14,600 people or 2.2 percent from the same period last year.

In the second quarter of 2016, the number of civilian unemployed averaged 23,150, a decrease of 2,550 people or 9.9 percent from the same quarter of 2015 (Table A-3). In the first half of 2016, the number of unemployed decreased 3,650 people or 14.0 percent from the same period last year.

The unemployment rate (not seasonally adjusted) decreased from 3.8 percent in the second quarter of 2015 to 3.4 percent in the second quarter of 2016 (Table A-4). In the first half of 2016, the unemployment rate decreased 0.6 of a percentage point from the same period last year.

In the second quarter of 2016, Hawaii's civilian non-agricultural wage and salary jobs averaged 649,100 jobs, an increase of 13,300 jobs or 2.1 percent from the same quarter of 2015

(Table A-6). This is the 23<sup>rd</sup> consecutive quarter-over-quarter increase in non-agricultural wage and salary jobs after ten consecutive quarter-over-quarter decreases in jobs since the second quarter of 2008. In the first half of 2016, average non-agricultural wage and salary jobs increased 2.1 percent or 13,600 jobs from the same period last year.

The job increase in the second quarter of 2016 was due to a job increase in the private sector. In this quarter, the private sector added about 14,200 non-agricultural jobs compared to the second quarter of 2015. Jobs increased the most in Natural Resources, Mining and Construction, adding 6,200 jobs or 18.3 percent (Table A-7). This was followed by Health Care and Social Assistance, adding 2,400 jobs or 3.6 percent (Table A-16), Food Services and Drinking Places, adding 2,300 jobs or 3.7 percent (Table A-19), and Accommodation, adding 800 jobs or 2.1 percent (Table A-18) in the quarter.

For the private sector, in the second quarter of 2016, only Wholesale Trade lost 300 jobs (Table A-9) compared to the same quarter of 2015.

The three levels of government lost 900 jobs or 0.7 percent (Table A-21) in the second quarter of 2016 compared to the same quarter of 2015. The Federal Government jobs remained the same (Table A-22); the State Government lost 900 jobs or 1.2 percent (Table A-23), while the Local Government added 100 jobs or 0.5 percent (Table A-24) compared to the second quarter of 2015.

The initial liable claims for unemployment, which measures the number of people who lost jobs in Hawaii and moved to other states, remained the same in the second quarter of 2016 compared to the same quarter of 2015 (Table A-27). In the first half of 2016, the initial liable claims for unemployment decreased 6.5 percent from the same period last year.

**Table A-6. NON-AGRICULTURAL WAGE AND SALARY JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual Average</i>
Not Seasonally Adjusted Data. Number of Jobs 1/					
1990	520,000	528,600	525,900	539,300	528,400
1991	537,900	537,300	536,000	545,200	539,100
1992	543,100	544,700	538,700	544,800	542,800
1993	540,000	543,500	532,100	539,600	538,800
1994	535,300	538,100	530,500	540,600	536,100
1995	536,000	536,300	526,100	533,200	532,900
1996	531,300	531,400	525,900	534,300	530,700
1997	532,900	533,400	526,500	533,600	531,600
1998	529,800	533,000	527,800	534,600	531,300
1999	528,300	534,700	532,500	544,600	535,000
2000	542,300	552,300	549,400	561,500	551,400
2001	555,000	558,850	554,150	551,800	554,950
2002	548,300	556,850	555,000	566,900	556,750
2003	564,050	566,550	564,000	575,950	567,650
2004	573,700	581,750	581,150	596,850	583,350
2005	591,900	601,650	601,000	612,250	601,700
2006	608,700	617,100	615,500	626,850	617,050
2007	621,400	625,400	620,700	631,950	624,850
2008	625,300	623,700	613,000	614,800	619,200
2009	599,050	594,700	582,700	589,400	591,500
2010	583,500	587,600	581,200	595,400	586,900
2011	589,500	592,400	588,700	602,900	593,400
2012	596,000	605,900	604,100	619,200	606,300
2013 2/	611,500	617,900	615,000	629,800	618,600
2014 2/	623,100	626,400	623,100	636,300	627,200
2015 2/	632,800	635,800	632,400	646,500	636,900
2016 3/	646,600	649,100	(NA)	Year-to-Date	647,900
Percentage Change from the Same Period in Previous Year					
1991	3.4	1.6	1.9	1.1	2.0
1992	1.0	1.4	0.5	-0.1	0.7
1993	-0.6	-0.2	-1.2	-1.0	-0.7
1994	-0.9	-1.0	-0.3	0.2	-0.5
1995	0.1	-0.3	-0.8	-1.4	-0.6
1996	-0.9	-0.9	0.0	0.2	-0.4
1997	0.3	0.4	0.1	-0.1	0.2
1998	-0.6	-0.1	0.2	0.2	-0.1
1999	-0.3	0.3	0.9	1.9	0.7
2000	2.7	3.3	3.2	3.1	3.1
2001	2.3	1.2	0.9	-1.7	0.6
2002	-1.2	-0.4	0.2	2.7	0.3
2003	2.9	1.7	1.6	1.6	2.0
2004	1.7	2.7	3.0	3.6	2.8
2005	3.2	3.4	3.4	2.6	3.1
2006	2.8	2.6	2.4	2.4	2.6
2007	2.1	1.3	0.8	0.8	1.3
2008	0.6	-0.3	-1.2	-2.7	-0.9
2009	-4.2	-4.6	-4.9	-4.1	-4.5
2010	-2.6	-1.2	-0.3	1.0	-0.8
2011	1.0	0.8	1.3	1.3	1.1
2012	1.1	2.3	2.6	2.7	2.2
2013 2/	2.6	2.0	1.8	1.7	2.0
2014 2/	1.9	1.4	1.3	1.0	1.4
2015 2/	1.6	1.5	1.5	1.6	1.5
2016 3/	2.2	2.1	(NA)	Year-to-Date	2.1

NA Not available.

1/ Data rounded to nearest 100 for 1990-2000 and 2010-2016, and to 50 for 2001-2009.

2/ 2013-2015 data benchmarked by DLIR in March 2016.

3/ Q1 revised from previous *QSER*.

Source: Hawaii Department of Labor & Industrial Relations monthly and annual data

<<https://www.hiwi.org/gsipub/index.asp?docid=421>>. Quarterly and Year-to-Date averages computed by the Hawaii State Department of Business, Economic Development & Tourism.

## B. INCOME AND PRICES

The U.S. Bureau of Economic Analysis (BEA) estimates of quarterly GDP, introduced in the 2016Q1 QSER, (Table B-1 to B-3) show in the first quarter of 2016, total annualized nominal GDP increased \$2,889.0 million or 3.7 percent from the first quarter of 2015. In 2015, total annualized nominal GDP increased \$3,320.0 million or 4.3 percent from the previous year. In the first quarter of 2016, total annualized real GDP (in chained 2009 dollar) increased \$1,014.0 million or 1.4 percent from the first quarter of 2015. In 2015, total annualized real GDP increased \$1,183.0 million or 1.7 percent from the previous year.

Hawaii's total personal income increased during the first quarter of 2016 over the same quarter of 2015; all major components of personal income increased in the quarter. In dollar terms, the largest increases occurred in wages and salaries, followed by dividends, interest, and rent, proprietors' income, supplements to wages and salaries, and personal current transfer receipts (Table B-4).

In the first quarter of 2016, total nominal annualized personal income (i.e. not adjusted for inflation) increased \$3,145.6 million or 4.7 percent over that of 2015 (Table B-5). In 2015, total personal income was \$68,452.0 million, an increase of 4.8 percent from the previous year.

In the first quarter of 2016, wages and salaries increased \$1,879.4 million or 5.6 percent over that of 2015. This was the 23<sup>rd</sup> consecutive quarterly year-over-year increase since the third quarter of 2010. In 2015, wages and salaries increased 4.9 percent from the previous year (Table B-6).

Supplements to wages and salaries, consisting of employer payments to retirement plans, private group health insurance plans, private workers compensation plans, and other such benefits, increased \$326.8 million or 3.4 percent in the first quarter of 2016 from the same quarter of 2015 (Table B-7). In 2015, supplements to wages and salaries increased 3.2 percent from the previous year.

Proprietors' income increased \$355.4 million or 7.7 percent in the first quarter of 2016 over that of 2015 (Table B-8). In 2015, proprietors' income was up 7.9 percent from the previous year.

Dividends, interest, and rent increased \$531.1 million or 3.8 percent in the first quarter of 2016, from the same quarter of 2015. In 2015, income in this category was up 3.9 percent from the previous year (Table B-9).

The annualized personal current transfer receipts grew by \$308.0 million or 2.8 percent in the first quarter of 2016 from the same quarter of 2015 (Table B-10). In 2015, personal current transfer receipts increased 4.5 percent from the previous year.

Contributions to government social insurance, which is subtracted from total personal income, increased \$255.1 million or 4.6 percent in the first quarter of 2016, compared to the first quarter of 2015. In 2015, contributions to government social insurance increased 3.1 percent from the previous year (Table B-11).

In the first quarter of 2016, total non-farm private sector annualized earnings increased \$2,548.1 million or 7.8 percent from the first quarter of 2015. In dollar terms, the largest increase occurred in construction, followed by accommodation and food services, health care and social assistance, professional, scientific & technical services, administrative and waste management services, and transportation and warehousing. During the first quarter of 2016, total government earnings decreased \$2.6 million or 0.02 percent from the same quarter of 2015. Earnings from the federal government increased \$182.6 million or 2.2 percent. Earnings from the state and local governments decreased \$185.2 million or 2.8 percent in the quarter.

In the first half of 2016, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 2.4 percent from the same period in 2015. (Table B-12). This is in contrast to the 1.1 percent increase for the U.S. average CPI-U and is higher than the 2015 Honolulu CPI-U increase of 1.0 percent from the previous year. In the first half of 2016, the Honolulu CPI-U increased the most in Medical Care (9.4 percent), followed by Recreation (3.4 percent), Food and Beverages (3.3 percent), Education and Communication (2.5 percent), Housing (2.4 percent), Other Goods and Services (2.1 percent), and Apparel (0.8 percent). The price of Transportation decreased 3.0 percent compared to the first half of 2015.

**Table B-4. PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES**

[In thousands of dollars at seasonally adjusted annual rates and percent. As of QSER September 2003, according to NAICS classification only]

Series 1/	First Quarter 2015	Second Quarter 2015	Third Quarter 2015	Fourth Quarter 2015	First Quarter 2016	AnnAver 2015	Percentage change		
							First Quarter 2016 from		Ann Aver
							First Quarter 2015	Fourth Quarter 2015	2015 from 2014
PERSONAL INCOME	67,231,734	68,103,432	68,860,997	69,611,881	70,377,298	68,452,011	4.7	1.1	4.8
Earnings By Place of Work	48,085,836	48,748,611	49,273,569	49,950,118	50,647,424	49,014,534	5.3	1.4	4.9
Wages and salaries	33,782,928	34,294,495	34,656,615	35,166,121	35,662,291	34,475,040	5.6	1.4	4.9
Supplements to wages and salaries	9,678,200	9,762,884	9,851,174	9,905,824	10,004,980	9,799,521	3.4	1.0	3.2
Emp'or contrib. for emp'ee pension & ins. fund	6,962,345	7,016,053	7,083,207	7,102,549	7,172,382	7,041,039	3.0	1.0	3.8
Employer contributions for gov't social ins.	2,715,855	2,746,831	2,767,967	2,803,275	2,832,598	2,758,482	4.3	1.0	1.8
Proprietors' income	4,624,708	4,691,232	4,765,780	4,878,173	4,980,153	4,739,973	7.7	2.1	7.9
Farm proprietors' income	19,008	22,716	31,436	35,564	27,184	27,181	43.0	-23.6	-431.0
Nonfarm proprietors' income	4,605,700	4,668,516	4,734,344	4,842,609	4,952,969	4,712,792	7.5	2.3	7.1
Dividends, interest, and rent	13,816,776	14,071,809	14,236,682	14,248,892	14,347,850	14,093,540	3.8	0.7	3.9
Plus: Personal current transfer receipts	10,833,314	10,850,536	10,962,437	11,091,481	11,141,281	10,934,442	2.8	0.4	4.5
Social Security benefits	3,739,094	3,775,228	3,798,866	3,832,162	3,853,335	3,786,338	3.1	0.6	4.8
Medicare benefits	2,122,102	2,141,890	2,167,593	2,199,928	2,233,879	2,157,878	5.3	1.5	3.9
Medicaid	2,064,376	2,039,320	2,087,620	2,129,344	2,191,236	2,080,165	6.1	2.9	2.3
State unempl. ins. comp.	164,190	146,429	134,990	120,744	113,090	141,588	-31.1	-6.3	-19.8
All other personal current transfer receipts	2,743,552	2,747,669	2,773,368	2,809,303	2,749,741	2,768,473	0.2	-2.1	7.9
Less: Contributions for gov't social insurance	5,504,192	5,567,524	5,611,691	5,678,610	5,759,257	5,590,504	4.6	1.4	3.1
Personal contributions for gov't social ins.	2,788,337	2,820,693	2,843,724	2,875,335	2,926,659	2,832,022	5.0	1.8	4.4
Employer contributions for gov't social ins.	2,715,855	2,746,831	2,767,967	2,803,275	2,832,598	2,758,482	4.3	1.0	1.8
Earnings By Industry	48,085,836	48,748,611	49,273,569	49,950,118	50,647,424	49,014,534	5.3	1.4	4.9
Farm Earnings	332,942	338,606	349,373	355,415	349,028	344,084	4.8	-1.8	15.3
Nonfarm Earnings	47,752,894	48,410,005	48,924,196	49,594,703	50,298,396	48,670,450	5.3	1.4	4.8
Private earnings	32,789,479	33,447,373	33,821,831	34,688,008	35,337,556	33,686,673	7.8	1.9	5.9
Forestry, fishing, & related activities	80,536	85,115	83,582	81,641	83,522	82,719	3.7	2.3	16.6
Mining	45,873	41,530	39,233	38,793	39,322	41,357	-14.3	1.4	12.4
Utilities	606,364	607,388	607,037	659,923	672,042	620,178	10.8	1.8	8.9
Construction	3,646,699	3,769,183	3,891,409	4,228,418	4,421,714	3,883,927	21.3	4.6	15.2
Manufacturing	878,935	878,196	894,659	924,785	936,422	894,144	6.5	1.3	4.2
Durable goods	277,609	278,106	277,178	287,844	289,709	280,184	4.4	0.6	5.5
Nondurable goods	601,326	600,090	617,481	636,941	646,713	613,960	7.5	1.5	3.6
Wholesale trade	1,296,953	1,322,849	1,318,500	1,357,818	1,349,699	1,324,030	4.1	-0.6	3.9
Retail trade	2,839,741	2,868,817	2,889,229	2,918,743	2,903,836	2,879,133	2.3	-0.5	2.5
Transportation and warehousing	1,863,281	1,843,342	1,880,296	1,963,516	1,980,502	1,887,609	6.3	0.9	6.6
Information	716,880	767,156	749,112	773,055	809,214	751,551	12.9	4.7	5.2
Finance and insurance	1,417,017	1,460,249	1,448,197	1,468,951	1,501,543	1,448,604	6.0	2.2	6.5
Real estate and rental and leasing	1,732,435	1,753,540	1,761,839	1,763,244	1,808,268	1,752,765	4.4	2.6	6.8
Prof., scientific, & technical services	2,649,305	2,710,290	2,756,571	2,810,097	2,826,357	2,731,566	6.7	0.6	3.1
Management of companies and enterprises	776,992	870,126	859,761	818,266	843,130	831,286	8.5	3.0	1.2
Admin. & waste management services	2,253,528	2,284,426	2,308,874	2,367,823	2,402,643	2,303,663	6.6	1.5	5.8
Educational services	764,141	773,239	774,259	775,500	788,158	771,785	3.1	1.6	2.4
Health care and social assistance	4,652,253	4,717,971	4,768,883	4,797,475	4,896,735	4,734,146	5.3	2.1	5.5
Arts, entertainment, and recreation	471,383	503,676	526,016	504,909	518,476	501,496	10.0	2.7	-1.5
Accommodation and food services	4,254,066	4,326,597	4,395,895	4,542,864	4,647,799	4,379,856	9.3	2.3	5.9
Other services, except public admin.	1,843,097	1,863,683	1,868,479	1,892,187	1,908,174	1,866,862	3.5	0.8	3.7
Government and government enterprises	14,963,415	14,962,632	15,102,365	14,906,695	14,960,840	14,983,777	0.0	0.4	2.4
Federal	8,459,510	8,488,877	8,530,993	8,568,380	8,642,109	8,511,940	2.2	0.9	2.2
Federal, civilian	3,557,517	3,588,024	3,613,438	3,658,316	3,713,707	3,604,324	4.4	1.5	4.3
Military	4,901,993	4,900,853	4,917,555	4,910,064	4,928,402	4,907,616	0.5	0.4	0.8
State and local	6,503,905	6,473,755	6,571,372	6,338,315	6,318,731	6,471,837	-2.8	-0.3	2.7

1/ 2015Q1 to 2015Q4 revised from previous QSER.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, State Quarterly Personal Income,

June 22, 2016 <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1&isuri=1&acrdn=3>>

accessed June 22, 2016.





**Table B-12. HONOLULU and U.S. CONSUMER PRICE INDEX,  
ALL URBAN CONSUMERS (CPI-U) - Con.**

Period	U.S.	Honolulu								
		All Items	Food & Beverages	Housing	Apparel	Transportation	Medical Care	Recreation 1/	Educ. & Comm. 1/	Other Goods & Services
Percentage Change from the Same Period in Previous Year										
1991	4.2	7.2	5.9	8.0	3.3	6.3	11.1	(NA)	(NA)	9.5
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	(NA)	(NA)	7.6
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	(NA)	(NA)	5.9
1994	2.6	2.7	0.3	3.1	1.9	3.9	4.4	(NA)	(NA)	4.7
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	(NA)	(NA)	3.4
1996	3.0	1.5	-0.1	1.2	0.9	2.8	2.5	(NA)	(NA)	4.5
1997	2.3	0.7	1.7	0.2	-1.0	-0.5	1.1	(NA)	(NA)	5.5
1998	1.6	-0.2	-0.1	-0.6	-4.3	-2.2	4.0	(NA)	(NA)	7.2
1999	2.2	1.0	2.4	-0.1	-6.1	-0.2	2.3	1.1	5.4	7.6
2000	3.4	1.7	1.2	1.2	-1.8	4.6	3.7	0.9	1.9	1.5
2001	2.8	1.2	2.9	0.7	-2.4	2.9	(2/)	-1.2	-1.8	3.4
2002	1.6	1.1	1.4	1.2	1.6	-2.1	(2/)	-2.1	3.1	4.5
2003	2.3	2.3	1.7	2.8	-4.0	3.2	(2/)	0.9	4.4	1.8
2004	2.7	3.3	3.0	4.4	2.7	3.4	(2/)	1.9	0.9	1.6
2005	3.4	3.8	3.2	5.6	1.3	5.0	(2/)	-4.4	0.7	2.8
2006	3.2	5.9	4.5	8.4	1.9	5.5	(2/)	3.4	-0.3	3.5
2007	2.8	4.8	5.5	7.2	-0.2	1.4	(2/)	1.5	0.0	4.6
2008	3.8	4.3	5.7	4.3	1.1	4.4	(2/)	2.6	2.8	5.2
2009	-0.4	0.5	3.6	0.4	7.2	-6.4	1.1	0.0	4.9	8.1
2010	1.6	2.1	0.2	0.9	3.2	7.0	-0.4	2.1	4.6	5.1
2011	3.2	3.7	3.5	3.4	1.7	6.9	1.3	2.8	2.9	4.3
2012	2.1	2.4	4.4	1.9	2.6	0.9	3.2	3.2	3.8	1.6
2013	1.5	1.8	3.4	1.7	-2.0	0.8	3.2	2.5	1.6	1.5
2014	1.6	1.4	2.0	1.3	-6.6	1.4	1.9	2.4	2.9	2.4
2015	0.1	1.0	4.3	0.9	-2.0	-8.3	7.7	1.9	3.1	4.5
1996H1	2.8	2.2	0.3	2.0	1.6	3.9	3.4	(NA)	(NA)	2.9
H2	3.1	0.9	-0.5	0.5	0.0	1.7	1.5	(NA)	(NA)	6.0
1997H1	2.6	0.9	1.6	0.3	-0.2	0.9	0.3	(NA)	(NA)	5.4
H2	2.1	0.5	1.7	0.1	-1.8	-1.8	1.9	(NA)	(NA)	5.6
1998H1	1.5	-0.1	0.4	-0.6	-2.8	-2.7	3.2	(NA)	(NA)	9.4
H2	1.6	-0.5	-0.5	-0.7	-5.9	-1.7	4.9	(NA)	(NA)	5.1
1999H1	1.9	0.4	1.5	-0.5	-8.9	-0.6	3.8	-0.1	3.7	7.7
H2	2.5	1.6	3.4	0.2	-2.9	0.1	0.7	2.2	7.2	7.5
2000H1	3.3	1.9	1.9	1.0	-1.4	3.3	2.1	1.8	4.6	1.3
H2	3.5	1.7	0.4	1.4	-2.2	5.9	5.3	0.1	-0.8	1.7
2001H1	3.4	1.3	1.7	0.8	-4.6	4.9	4.3	-1.0	-3.5	3.6
H2	2.2	1.1	4.0	0.4	-0.3	0.9	(2/)	-1.5	0.2	3.3
2002H1	1.3	1.1	2.4	1.0	6.5	-2.4	(2/)	-2.2	3.3	4.0
H2	1.9	1.0	0.5	1.5	-3.1	-1.7	(2/)	-1.9	2.7	4.9
2003H1	2.5	1.7	0.8	2.3	-6.6	2.0	(2/)	-0.6	3.9	2.6
H2	2.0	2.9	2.6	3.2	-1.3	4.5	(2/)	2.3	4.7	0.9
2004H1	2.3	3.3	3.3	4.1	3.4	2.9	(2/)	3.3	2.2	0.8
H2	3.0	3.3	2.8	4.6	2.1	3.9	(2/)	0.5	-0.2	2.3
2005H1	3.0	3.1	2.9	4.0	2.2	4.4	(2/)	-4.0	2.0	2.9
H2	3.8	4.5	3.4	7.2	0.1	5.7	(2/)	-4.9	-0.7	2.6
2006H1	3.8	5.8	3.7	8.5	-0.8	7.1	(2/)	2.4	-1.3	3.4
H2	2.6	5.8	5.2	8.3	4.7	3.8	(2/)	4.4	0.8	3.5
2007H1	2.5	5.0	5.9	7.7	-1.4	1.4	(2/)	1.1	-1.2	4.3
H2	3.1	4.8	5.1	6.7	0.9	1.5	(2/)	1.8	1.2	5.0
2008H1	4.2	4.9	4.7	5.6	3.2	5.4	(2/)	3.5	2.0	5.1
H2	3.4	3.6	6.7	3.1	-1.0	3.3	3.0	1.8	3.5	5.2
2009H1	-0.6	0.3	5.8	0.8	8.0	-11.0	1.5	0.0	5.0	7.5
H2	-0.1	0.7	1.4	0.0	6.3	-1.7	0.8	-0.1	4.7	8.7
2010H1	2.1	2.5	-0.1	0.9	1.9	11.5	-0.3	0.9	4.1	4.7
H2	1.2	1.7	0.5	0.9	4.5	2.9	-0.6	3.4	5.1	5.5
2011H1	2.8	3.5	2.6	2.9	2.4	6.8	0.2	3.7	3.6	7.0
H2	3.5	4.0	4.4	4.0	1.0	7.0	2.3	1.9	2.3	1.8
2012H1	2.3	2.8	4.5	2.3	2.4	2.1	3.7	2.6	4.1	1.1
H2	1.8	2.0	4.2	1.5	2.9	-0.3	2.6	3.7	3.5	2.0
2013H1	1.5	1.8	3.9	2.0	-2.3	-0.2	2.8	2.6	1.8	1.4
H2	1.4	1.7	2.9	1.3	-1.7	1.8	3.6	2.4	1.3	1.7
2014H1	1.7	1.1	1.0	0.9	-5.9	2.1	1.4	2.5	2.7	0.8
H2	1.5	1.8	3.0	1.8	-7.3	0.7	2.4	2.2	3.1	4.0
2015H1	-0.1	0.7	4.2	1.0	-2.1	-8.6	4.8	0.9	3.1	5.3
H2	0.3	1.3	4.4	0.9	-2.0	-8.0	10.6	2.8	3.0	3.8
2016H1	1.1	2.4	3.3	2.4	0.8	-3.0	9.4	3.4	2.5	2.1

Data on U.S. CPI are released monthly and Honolulu CPI, twice a year in February and August for the half (H) year previous through August 2015. Beginning with the 2nd half and annual average for 2015 data were released in January and will be in January and July henceforth. NA Not available.

1/ New indexes as of January 1998. Base period is December 1997. The former "Entertainment" index has been discontinued.

2/ No data were available or data did not meet U.S. Bureau of Labor Statistics' publication criteria.

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (Current Series) <<http://data.bls.gov/cgi-bin/dsrv>> accessed July 15, 2016, and BLS Honolulu CPI News Releases and <<http://www.bls.gov/ro9/cpihono.htm>> accessed July 15, 2016.

## C. TAX REVENUES

The State general fund tax revenues increased in the second quarter of 2016 compared to the same quarter of 2015.<sup>1</sup> The Net Corporate Income Tax increased the most in percentage terms in the quarter, followed by the Net Individual Income Tax, the GET revenues, and the Transient Accommodations Tax (TAT).

In the second quarter of 2016, total tax collections distributed to the State general fund totaled \$1,667.3 million, an increase of \$138.2 million or 9.0 percent over the same quarter of 2015 (Tables C-1 and C-2). In the first half of 2016, State general fund tax revenues were up \$197.8 million or 6.7 percent over the same period last year.

During the second quarter of 2016, GET revenues (excluding the Honolulu County Surcharge) totaled \$802.3 million, an increase of \$28.6 million or 3.7 percent over the same quarter of 2015 (Table C-3). In the first half of 2016, GET revenues increased \$64.7 million or 4.2 percent from the same period last year.

Compared to the second quarter of 2015, Net Individual Income Tax revenues increased \$30.8 million or 5.4 percent to \$601.8 million in the second quarter of 2016 (Table C-4). In the second quarter of 2016, Declaration of Estimated Taxes decreased \$18.3 million or 7.3 percent (Table C-5), Payments with Returns increased \$6.7 million or 5.6 percent (Table C-6), Revenues from Withholding Tax on Wages increased \$19.2 million or 4.4 percent (Table C-7), and Refunds decreased \$23.4 million or 9.9 percent (Table C-8). In the first half of 2016, Net Individual Income Tax

collections increased \$62.6 million or 6.0 percent from the same period last year.

Net Corporate Income Tax revenues, which tend to be volatile in nature, increased \$43.5 million in the second quarter of 2016 compared to the same quarter of 2015 (Table C-9). In the second quarter of 2016, the Declaration of Estimated Taxes decreased \$2.8 million or 4.7 percent (Table C-10), the Payment with Returns increased \$27.8 million or 137.6 percent (Table C-11), and the Refunds decreased \$18.4 million or 60.6 percent (Table C-12), compared with the same quarter of 2015. In the first half of 2016, Net Corporate Income Tax revenues increased \$16.6 million or 93.4 percent from the same period last year.

In the second quarter of 2016, Transient Accommodations Tax (TAT) revenues increased \$1.8 million or 1.6 percent compared to the same quarter of 2015 (Table C-13). In the first half of 2016, TAT revenues increased \$11.8 million or 5.3 percent from the same period last year.

According to the most recent data available, in the first quarter of 2016, the Retailing tax base decreased 12.3 percent or \$931.8 million (Table C-14), the Services tax base decreased 9.0 percent or \$299.4 million (Table C-15), the Contracting tax base decreased 3.1 percent or \$56.0 million (Table C-16), and the Hotel Rentals tax base decreased 4.9 percent or \$60.0 million (Table C-17), compared to the same quarter of 2015. In 2015, the contracting tax base increased 15.5 percent or \$1,088.2 million, the Hotel Rentals tax base increased 4.1 percent or \$178.9 million, the Retailing tax base increased 1.0 percent or \$296.5 million, and the Services tax base increased 3.4 percent or \$461.4 million, from the same period of the previous year.

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<sup>1</sup> When interpreting tax figures in conjunction with other quarterly data in this report, it should be kept in mind that the tax data represent collections during the quarter. The transactions on which the taxes were paid did not necessarily take place during the quarter.

**Table C-1. GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS**

Year	General Excise and Use Tax	Net Individual Income Tax 1/	Net Corporate Income Tax 2/	Tax Revenues Distributed to State General Fund	
In Thousands of Dollars					
1990	1,250,204	743,114	86,269	2,246,752	
1991	1,287,818	900,962	70,568	2,397,289	
1992	1,299,814	922,206	42,737	2,523,670	
1993	1,308,797	951,405	22,239	2,555,912	
1994	1,347,945	1,003,479	34,228	2,672,291	
1995	1,386,684	918,811	37,336	2,614,713	
1996	1,469,766	995,456	51,243	2,799,972	
1997	1,433,012	985,000	55,594	2,756,621	
1998	1,436,654	1,093,241	50,112	2,889,291	
1999	1,454,778	1,053,858	47,692	2,841,290	
2000	1,611,446	1,080,371	67,650	3,067,622	
2001	1,660,763	1,100,317	48,269	3,172,250	
2002	1,679,840	1,059,646	55,373	3,116,029	
2003	1,820,498	1,071,360	5,189	3,211,431	
2004	1,991,539	1,235,721	75,171	3,652,686	
2005	2,263,393	1,447,744	132,589	4,252,231	
2006	2,457,379	1,576,674	86,975	4,522,261	
2007	2,623,514	1,579,138	80,014	4,683,086	
2008	2,567,821	1,564,708	76,602	4,608,569	
2009	2,296,288	1,267,602	36,683	4,018,215	
2010	2,379,942	1,375,120	52,815	4,312,342	
2011	2,588,488	1,460,621	19,548	4,662,521	
2012	2,844,741	1,651,212	112,695	5,258,356	
2013	2,907,622	1,745,615	135,338	5,450,600	
2014	2,979,776	1,820,693	65,746	5,535,709	
2015	3,141,489	2,054,098	76,462	5,998,615	
2002	1 Qtr.	395,795	266,388	18,655	761,922
	2 Qtr.	400,462	255,030	25,751	757,798
	3 Qtr.	473,241	266,331	4,267	820,290
	4 Qtr.	410,341	271,897	6,700	776,019
2003	1 Qtr.	455,018	254,081	-25,417	772,047
	2 Qtr.	454,098	245,799	22,712	813,686
	3 Qtr.	473,268	274,363	8,154	819,182
	4 Qtr.	438,113	297,117	-260	806,515
2004	1 Qtr.	506,097	261,760	12,022	874,018
	2 Qtr.	482,899	335,713	36,737	946,670
	3 Qtr.	519,129	325,902	15,156	946,218
	4 Qtr.	483,415	312,346	11,257	885,780
2005	1 Qtr.	579,475	338,591	12,413	1,054,797
	2 Qtr.	554,585	404,642	46,779	1,110,743
	3 Qtr.	579,607	361,900	67,092	1,099,688
	4 Qtr.	549,727	342,612	6,305	987,002
2006	1 Qtr.	638,194	355,719	1,330	1,106,472
	2 Qtr.	587,788	490,365	55,282	1,241,830
	3 Qtr.	605,813	361,508	22,781	1,076,795
	4 Qtr.	625,584	369,081	7,582	1,097,164
2007	1 Qtr.	662,362	341,183	9,136	1,116,467
	2 Qtr.	662,003	488,514	42,336	1,295,154
	3 Qtr.	646,384	379,033	27,297	1,146,614
	4 Qtr.	652,765	370,408	1,245	1,124,851
2008	1 Qtr.	678,489	336,354	14,593	1,138,545
	2 Qtr.	641,149	459,040	41,946	1,231,862
	3 Qtr.	655,075	382,982	17,117	1,161,528
	4 Qtr.	593,107	386,333	2,945	1,076,634
2009	1 Qtr.	589,891	265,502	9,201	954,075
	2 Qtr.	579,506	304,239	24,259	1,010,064
	3 Qtr.	577,836	357,169	12,451	1,051,792
	4 Qtr.	549,055	340,692	-9,229	1,002,283
2010	1 Qtr.	616,777	428,586	18,696	1,192,489
	2 Qtr.	572,766	401,662	37,267	1,117,994
	3 Qtr.	611,575	165,284	1,752	908,912
	4 Qtr.	578,824	379,587	-4,900	1,092,946
2011	1 Qtr.	652,857	289,893	-8,202	1,068,341
	2 Qtr.	652,551	412,388	45,923	1,259,112
	3 Qtr.	655,038	395,424	10,662	1,215,241
	4 Qtr.	628,042	362,916	-28,835	1,119,826
2012	1 Qtr.	711,092	276,663	33,542	1,186,786
	2 Qtr.	703,779	506,048	57,658	1,455,995
	3 Qtr.	738,753	435,471	21,335	1,346,738
	4 Qtr.	691,117	433,030	160	1,268,837
2013	1 Qtr.	757,923	351,323	14,909	1,282,306
	2 Qtr.	756,693	516,183	64,584	1,572,300
	3 Qtr.	698,689	454,022	39,471	1,311,027
	4 Qtr.	694,316	424,087	16,374	1,284,968
2014	1 Qtr.	746,724	346,914	-11,265	1,286,988
	2 Qtr.	740,811	520,787	42,441	1,487,285
	3 Qtr.	754,466	453,178	15,558	1,348,688
	4 Qtr.	737,774	499,814	19,012	1,412,748
2015	1 Qtr.	782,302	464,230	9,632	1,444,563
	2 Qtr.	773,665	570,972	8,118	1,529,142
	3 Qtr.	831,149	520,447	50,082	1,593,064
	4 Qtr.	754,374	498,450	8,630	1,431,846
2016 3/	1 Qtr.	818,316	495,998	-17,278	1,504,155
	2 Qtr.	802,314	601,784	51,601	1,667,347

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

Individual income tax rates changed effective January 1, 1999, 2001 and 2002.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

3/ Revised from previous QSER.

Source: Hawaii State Department of Taxation and <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)>.

**Table C-1. GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS - Con.**

Year		General Excise and Use Tax	Net Individual Income Tax 1/	Net Corporate Income Tax 2/	Tax Revenues Distributed to State General Fund
Percentage Change from the Same Period in Previous Year					
1991		3.0	21.2	-18.2	6.7
1992		0.9	2.4	-39.4	5.3
1993		0.7	3.2	-48.0	1.3
1994		3.0	5.5	53.9	4.6
1995		2.9	-8.4	9.1	-2.2
1996		6.0	8.3	37.2	7.1
1997		-2.5	-1.1	8.5	-1.5
1998		0.3	11.0	-9.9	4.8
1999		1.3	-3.6	-4.8	-1.7
2000		10.8	2.5	41.8	8.0
2001		3.1	1.8	-28.6	3.4
2002		1.1	-3.7	14.7	-1.8
2003		8.4	1.1	-90.6	3.1
2004		9.4	15.3	1,348.7	13.7
2005		13.7	17.2	76.4	16.4
2006		8.6	8.9	-34.4	6.4
2007		6.8	0.2	-8.0	3.6
2008		-2.1	-0.9	-4.3	-1.6
2009		-10.6	-19.0	-52.1	-12.8
2010		3.6	8.5	44.0	7.3
2011		8.8	6.2	-63.0	8.1
2012		9.9	13.0	476.5	12.8
2013		2.2	5.7	20.1	3.7
2014		2.5	4.3	-51.4	1.6
2015		5.4	12.8	16.3	8.4
2003	1 Qtr.	15.0	-4.6	(3/)	1.3
	2 Qtr.	13.4	-3.6	-11.8	7.4
	3 Qtr.	0.0	3.0	91.1	-0.1
	4 Qtr.	6.8	9.3	(3/)	3.9
2004	1 Qtr.	11.2	3.0	(3/)	13.2
	2 Qtr.	6.3	36.6	61.7	16.3
	3 Qtr.	9.7	18.8	85.9	15.5
	4 Qtr.	10.3	5.1	(3/)	9.8
2005	1 Qtr.	14.5	29.4	3.2	20.7
	2 Qtr.	14.8	20.5	27.3	17.3
	3 Qtr.	11.6	11.0	342.7	16.2
	4 Qtr.	13.7	9.7	-44.0	11.4
2006	1 Qtr.	10.1	5.1	-89.3	4.9
	2 Qtr.	6.0	21.2	18.2	11.8
	3 Qtr.	4.5	-0.1	-66.0	-2.1
	4 Qtr.	13.8	7.7	20.2	11.2
2007	1 Qtr.	3.8	-4.1	586.7	0.9
	2 Qtr.	12.6	-0.4	-23.4	4.3
	3 Qtr.	6.7	4.8	19.8	6.5
	4 Qtr.	4.3	0.4	-83.6	2.5
2008	1 Qtr.	2.4	-1.4	59.7	2.0
	2 Qtr.	-3.2	-6.0	-0.9	-4.9
	3 Qtr.	1.3	1.0	-37.3	1.3
	4 Qtr.	-9.1	4.3	136.6	-4.3
2009	1 Qtr.	-13.1	-21.1	-36.9	-16.2
	2 Qtr.	-9.6	-33.7	-42.2	-18.0
	3 Qtr.	-11.8	-6.7	-27.3	-9.4
	4 Qtr.	-7.4	-11.8	(3/)	-6.9
2010	1 Qtr.	4.6	61.4	103.2	25.0
	2 Qtr.	-1.2	32.0	53.6	10.7
	3 Qtr.	5.8	-53.7	-85.9	-13.6
	4 Qtr.	5.4	11.4	(3/)	9.0
2011	1 Qtr.	5.8	-32.4	(3/)	-10.4
	2 Qtr.	13.9	2.7	23.2	12.6
	3 Qtr.	7.1	139.2	508.6	33.7
	4 Qtr.	8.5	-4.4	(3/)	2.5
2012	1 Qtr.	8.9	-4.6	(3/)	11.1
	2 Qtr.	7.9	22.7	25.6	15.6
	3 Qtr.	12.8	10.1	100.1	10.8
	4 Qtr.	10.0	19.3	(3/)	13.3
2013	1 Qtr.	6.6	27.0	-55.6	8.0
	2 Qtr.	7.5	2.0	12.0	8.0
	3 Qtr.	-5.4	4.3	85.0	-2.7
	4 Qtr.	0.5	-2.1	10,135.3	1.3
2014	1 Qtr.	-1.5	-1.3	(3/)	0.4
	2 Qtr.	-2.1	0.9	-34.3	-5.4
	3 Qtr.	8.0	-0.2	-60.6	2.9
	4 Qtr.	6.3	17.9	16.1	9.9
2015	1 Qtr.	4.8	33.8	(3/)	12.2
	2 Qtr.	4.4	9.6	-80.9	2.8
	3 Qtr.	10.2	14.8	221.9	18.1
	4 Qtr.	2.3	-0.3	-54.6	1.4
2016 4/	1 Qtr.	4.6	6.8	(3/)	4.1
	2 Qtr.	3.7	5.4	535.7	9.0

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.  
Individual income tax rates changed effective January 1, 1999, 2001 and 2002.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

3/ Percentage changes involving negative values not meaningful.

4/ Revised from previous QSER.

Source: Hawaii State Department of Taxation and <[http://www.hawaii.gov/tax/a5\\_3txcolrpt.htm](http://www.hawaii.gov/tax/a5_3txcolrpt.htm)>.

## D. TOURISM

Visitor arrivals continue to be strong with both domestic and international visitor arrivals increasing in the second quarter of 2016. Due to shorter lengths of stay, the daily visitor census increased less than the increase of visitor arrivals in the quarter. Since visitors spent more on a daily basis during the second quarter of 2016, total visitor spending increased more than the growth of the average total daily visitor census in the quarter. With the exception of the fourth quarter of 2013, visitor arrivals have increased since the third quarter of 2009.

The total number of visitor arrivals by air increased 40,094 or 1.9 percent in the second quarter of 2016, compared to the same quarter of 2015 (Tables D-1 and D-2). The total average daily census was up 2,766 or 1.3 percent in the quarter. In the first half of 2016, total visitor arrivals by air increased 115,577 or 2.7 percent, while the average daily census increased 2,581 or 1.2 percent from the same period last year.

In the second quarter of 2016, total visitor arrivals on domestic flights increased 19,345 or 1.3 percent compared to the same quarter of 2015 (Table D-3). In the first half of 2016, domestic arrivals were up 75,228 or 2.6 percent from the same period last year.

Arrivals on international flights increased 20,749 or 3.3 percent in the second quarter of 2016 compared to the second quarter of 2015 (Table D-4). In the first half of 2016, international arrivals were up 40,349 or 3.0 percent from the same period last year.

In terms of major market areas, from the second quarter of 2015 to the same period of 2016, arrivals from the U.S. West increased 27,842 or 3.0 percent (Table D-5), arrivals from the U.S. East increased 1,870 or 0.4 percent (Table D-6), and arrivals from Japan increased 3,846 or 1.2 percent (Table D-7). In the first half of 2016, arrivals from the U.S. West were up 68,047 or 3.9 percent; arrivals from the U.S. East were up 23,820 or 2.5 percent; and Japanese arrivals were up 11,132 or 1.6 percent from the same period last year.

While visitor arrivals have increased, the length of stay per visitor has decreased. Due to the

shorter length of stay, the average total daily visitor census increased less than the growth of visitor arrivals in the quarter. The total average daily visitor census was up 1.3 percent or 2,766 visitors per day in the second quarter of 2016, over the same quarter of 2015 (Table D-8). The domestic average daily census increased 0.2 percent or 389 visitors per day (Table D-9), while the international average daily census increased 4.7 percent or 2,377 visitors per day (Table D-10). In the first half of 2016, the domestic average daily census increased 291 or 0.2 percent; and the international average daily census increased 2,290 or 3.9 percent from the same period last year.

Nominal visitor expenditures by air totaled \$3,710.6 million in the second quarter of 2016, up 2.2 percent or \$80.0 million from the same quarter of 2015 (Table D-11). In the first half of 2016, visitor expenditures increased \$234.2 million or 3.1 percent compared with the same period last year.

Total airline capacity, as measured by the number of available seats flown to Hawaii, decreased 0.2 percent or 4,890 seats (Table D-12) in the second quarter of 2016, domestic seats decreased 0.7 percent or 13,857 seats (Table D-13); international seats increased 1.0 percent or 8,967 seats (Table D-14), compared to the same quarter of 2015. In the first half of 2016, the number of total available seats increased 1.5 percent or 91,955 seats from the same period last year.

According to the most recent data available, in the first quarter of 2016, the statewide hotel occupancy rate averaged 81.0 percent, 1.0 percentage point higher than that of the same quarter of 2015 (Table D-15). In 2015, the statewide hotel occupancy rate averaged 78.8 percent, 1.8 percentage point higher than that of the previous year.

Readers interested in visitor statistics on a monthly basis can find them on the DBEDT website: <http://dbedt.hawaii.gov/visitor/> and those interested in daily passenger arrival data at: <http://dbedt.hawaii.gov/visitor/daily-passenger-counts/>.

**Table D-1. VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS - BY AIR**

Year	Visitor Arrivals 1/			Average Daily Visitor Census		
	Total	Domestic	International	Total	Domestic	International
1990	6,723,531	4,315,161	2,408,370	154,517	113,066	41,450
1991	6,518,460	4,068,508	2,449,952	147,323	105,686	41,637
1992	6,473,669	3,791,945	2,681,724	152,249	106,589	45,660
1993	6,070,995	3,570,059	2,500,936	147,498	100,430	47,068
1994	6,364,674	3,813,279	2,551,395	156,630	107,904	48,726
1995	6,546,759	3,743,474	2,803,285	157,098	105,649	51,450
1996	6,723,141	3,794,113	2,929,028	158,297	106,404	51,892
1997	6,761,135	3,890,798	2,870,337	157,187	108,019	49,168
1998	6,595,790	4,014,140	2,581,650	157,389	112,068	45,320
1999	6,741,037	4,255,621	2,485,416	164,439	117,998	46,441
2000	6,948,595	4,446,936	2,501,659	168,637	123,442	45,196
2001	6,303,789	4,224,321	2,079,468	158,247	118,106	40,141
2002	6,389,059	4,358,851	2,030,208	160,195	121,029	39,165
2003	6,380,439	4,531,289	1,849,150	161,048	123,389	37,659
2004	6,912,094	4,892,960	2,019,134	171,481	132,355	39,126
2005	7,416,574	5,313,281	2,103,293	185,445	144,396	41,049
2006	7,528,106	5,550,125	1,977,981	189,441	149,545	39,895
2007	7,496,820	5,582,530	1,914,290	189,412	150,960	38,452
2008	6,713,436	4,901,893	1,811,543	172,487	135,239	37,248
2009	6,420,448	4,672,001	1,748,447	165,082	129,100	35,983
2010	6,916,894	4,957,352	1,959,542	177,949	136,407	41,542
2011	7,174,397	5,127,291	2,047,106	185,824	142,027	43,797
2012	7,867,143	5,403,025	2,464,118	201,267	148,887	52,380
2013	8,003,474	5,405,300	2,598,174	202,876	149,213	53,663
2014 2/	8,196,342	5,486,059	2,710,283	206,217	151,076	55,141
2015 2/	8,563,018	5,782,140	2,780,878	213,934	156,026	57,908
2001 1 Qtr.	1,715,088	1,079,787	635,301	176,954	126,606	50,348
2 Qtr.	1,673,990	1,129,578	544,413	159,596	120,781	38,816
3 Qtr.	1,647,049	1,091,324	555,725	162,674	119,887	42,787
4 Qtr.	1,267,662	923,632	344,030	134,185	105,365	28,821
2002 1 Qtr.	1,537,636	1,042,844	494,792	162,745	122,622	40,124
2 Qtr.	1,583,029	1,115,788	467,241	153,178	119,430	33,749
3 Qtr.	1,694,239	1,170,113	524,126	167,584	126,274	41,310
4 Qtr.	1,574,155	1,030,106	544,049	157,250	115,809	41,441
2003 1 Qtr.	1,562,878	1,049,338	513,540	163,475	118,886	44,588
2 Qtr.	1,501,363	1,168,919	332,444	150,775	123,760	27,016
3 Qtr.	1,719,130	1,234,881	484,249	171,357	131,942	39,415
4 Qtr.	1,597,067	1,078,150	518,917	158,528	118,874	39,654
2004 1 Qtr.	1,639,213	1,138,607	500,606	171,479	128,237	43,242
2 Qtr.	1,712,588	1,252,707	459,881	164,897	131,766	33,132
3 Qtr.	1,852,939	1,318,363	534,576	180,936	140,130	40,806
4 Qtr.	1,707,354	1,183,283	524,071	168,540	129,234	39,306
2005 1 Qtr.	1,821,151	1,279,704	541,447	192,126	146,732	45,394
2 Qtr.	1,787,046	1,304,549	482,497	172,635	137,683	34,952
3 Qtr.	1,995,901	1,452,425	543,476	196,484	153,816	42,667
4 Qtr.	1,812,476	1,276,603	535,873	180,542	139,332	41,209
2006 1 Qtr.	1,836,867	1,300,840	536,027	198,665	149,596	49,069
2 Qtr.	1,865,545	1,410,404	455,141	180,356	147,415	32,942
3 Qtr.	1,992,088	1,496,473	495,615	195,968	156,511	39,457
4 Qtr.	1,833,607	1,342,409	491,198	182,876	144,638	38,238
2007 1 Qtr.	1,826,527	1,323,255	503,272	193,365	149,663	43,701
2 Qtr.	1,856,609	1,434,445	422,164	184,702	150,976	33,726
3 Qtr.	2,002,719	1,491,746	510,973	195,509	156,793	38,716
4 Qtr.	1,810,966	1,333,085	477,881	184,106	146,380	37,727
2008 1 Qtr.	1,841,516	1,347,836	493,680	196,032	152,981	43,051
2 Qtr.	1,668,379	1,251,941	416,438	166,503	134,204	32,299
3 Qtr.	1,670,428	1,202,383	468,045	167,502	129,701	37,801
4 Qtr.	1,533,113	1,099,733	433,380	160,101	124,250	35,851
2009 1 Qtr.	1,568,857	1,106,530	462,327	169,946	130,386	39,561
2 Qtr.	1,595,081	1,232,085	362,996	161,808	130,589	31,219
3 Qtr.	1,715,358	1,253,208	462,150	169,752	133,326	36,426
4 Qtr.	1,541,152	1,080,178	460,974	158,893	122,142	36,751
2010 1 Qtr.	1,638,407	1,118,852	519,555	177,714	131,507	46,207
2 Qtr.	1,696,892	1,261,393	435,499	169,223	133,002	36,221
3 Qtr.	1,856,948	1,351,315	505,633	186,931	144,558	42,373
4 Qtr.	1,724,647	1,225,792	498,855	177,829	136,417	41,412
2011 1 Qtr.	1,781,445	1,241,338	540,107	196,827	146,802	50,025
2 Qtr.	1,724,205	1,297,685	426,520	173,967	138,108	35,858
3 Qtr.	1,872,833	1,335,712	537,121	186,064	143,099	42,965
4 Qtr.	1,795,914	1,252,556	543,358	186,549	140,159	46,391
2012 1 Qtr.	1,933,991	1,301,730	632,261	210,680	151,796	58,884
2 Qtr.	1,910,870	1,368,575	542,295	191,073	146,486	44,587
3 Qtr.	2,042,534	1,389,278	653,256	201,523	148,332	53,191
4 Qtr.	1,979,748	1,343,442	636,306	201,785	148,940	52,845
2013 1 Qtr.	2,022,871	1,356,149	666,722	216,218	156,744	59,474
2 Qtr.	1,974,892	1,399,913	574,979	194,526	148,513	46,013
3 Qtr.	2,077,453	1,392,557	684,896	205,127	149,990	55,138
4 Qtr.	1,928,258	1,256,681	671,577	195,832	141,761	54,072
2/ 2014 1 Qtr.	2,028,633	1,318,882	709,751	217,477	154,902	62,576
2/ 2 Qtr.	2,011,759	1,402,026	609,733	198,049	149,363	48,687
2/ 3 Qtr.	2,120,639	1,424,360	696,279	204,784	151,815	52,969
2/ 4 Qtr.	2,035,311	1,340,791	694,520	204,713	148,289	56,424
2/ 2015 1 Qtr.	2,097,862	1,371,980	725,882	224,128	158,420	65,709
2/ 2 Qtr.	2,145,806	1,513,399	632,407	208,378	157,721	50,657
2/ 3 Qtr.	2,197,037	1,483,636	713,401	212,094	154,700	57,394
2/ 4 Qtr.	2,122,312	1,413,124	709,188	211,299	153,335	57,963
2/ 2016 1 Qtr.	2,173,346	1,427,864	745,482	226,438	158,609	67,829
2/ 2 Qtr.	2,185,900	1,532,744	653,156	211,144	158,110	53,034

1/ Staying overnight or longer.  
 2/ 2014 Total and Domestic and 2015 data are revised, and 2016 data are preliminary.  
 Source: Hawaii State Department of Business, Economic Development & Tourism and  
<http://www.hawaii.gov/dbedt/info/visitor-stats/> and Hawaii Tourism Authority, Tourism Research.

**Table D-1. VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS - BY AIR - Con.**

Year	Visitor Arrivals 1/			Average Daily Visitor Census		
	Total	Domestic	International	Total	Domestic	International
Percentage Change from the Same Period in Previous Year						
1991	-3.1	-5.7	1.7	-4.7	-6.5	0.5
1992	-0.7	-6.8	9.5	3.3	0.9	9.7
1993	-6.2	-5.9	-6.7	-3.1	-5.8	3.1
1994	4.8	6.8	2.0	6.2	7.4	3.5
1995	2.9	-1.8	9.9	0.3	-2.1	5.6
1996	2.7	1.4	4.5	0.8	0.7	0.9
1997	0.6	2.5	-2.0	-0.7	1.5	-5.2
1998	-2.4	3.2	-10.1	0.1	3.7	-7.8
1999	2.2	6.0	-3.7	4.5	5.3	2.5
2000	3.1	4.5	0.7	2.6	4.6	-2.7
2001	-9.3	-5.0	-16.9	-6.2	-4.3	-11.2
2002	1.4	3.2	-2.4	1.2	2.5	-2.4
2003	-0.1	4.0	-8.9	0.5	1.9	-3.8
2004	8.3	8.0	9.2	6.5	7.3	3.9
2005	7.3	8.6	4.2	8.1	9.1	4.9
2006	1.5	4.5	-6.0	2.2	3.6	-2.8
2007	-0.4	0.6	-3.2	0.0	0.9	-3.6
2008	-10.4	-12.2	-5.4	-8.9	-10.4	-3.1
2009	-4.4	-4.7	-3.5	-4.3	-4.5	-3.4
2010	7.7	6.1	12.1	7.8	5.7	15.4
2011	3.7	3.4	4.5	4.4	4.1	5.4
2012	9.7	5.4	20.4	8.3	4.8	19.6
2013	1.7	0.0	5.4	0.8	0.2	2.4
2014 2/	2.4	1.5	4.3	1.6	1.2	2.8
2015 2/	4.5	5.4	2.6	3.7	3.3	5.0
2002 1 Qtr.	-10.3	-3.4	-22.1	-8.0	-3.1	-20.3
2 Qtr.	-5.4	-1.2	-14.2	-4.0	-1.1	-13.1
3 Qtr.	2.9	7.2	-5.7	3.0	5.3	-3.5
4 Qtr.	24.2	11.5	58.1	17.2	9.9	43.8
2003 1 Qtr.	1.6	0.6	3.8	0.4	-3.0	11.1
2 Qtr.	-5.2	4.8	-28.8	-1.6	3.6	-20.0
3 Qtr.	1.5	5.5	-7.6	2.3	4.5	-4.6
4 Qtr.	1.5	4.7	-4.6	0.8	2.6	-4.3
2004 1 Qtr.	4.9	8.5	-2.5	4.9	7.9	-3.0
2 Qtr.	14.1	7.2	38.3	9.4	6.5	22.6
3 Qtr.	7.8	6.8	10.4	5.6	6.2	3.5
4 Qtr.	6.9	9.8	1.0	6.3	8.7	-0.9
2005 1 Qtr.	11.1	12.4	8.2	12.0	14.4	5.0
2 Qtr.	4.3	4.1	4.9	4.7	4.5	5.5
3 Qtr.	7.7	10.2	1.7	8.6	9.8	4.6
4 Qtr.	6.2	7.9	2.3	7.1	7.8	4.8
2006 1 Qtr.	0.9	1.7	-1.0	3.4	2.0	8.1
2 Qtr.	4.4	8.1	-5.7	4.5	7.1	-5.8
3 Qtr.	-0.2	3.0	-8.8	-0.3	1.8	-7.5
4 Qtr.	1.2	5.2	-8.3	1.3	3.8	-7.2
2007 1 Qtr.	-0.6	1.7	-6.1	-2.7	0.0	-10.9
2 Qtr.	-0.5	1.7	-7.2	2.4	2.4	2.4
3 Qtr.	0.5	-0.3	3.1	-0.2	0.2	-1.9
4 Qtr.	-1.2	-0.7	-2.7	0.7	1.2	-1.3
2008 1 Qtr.	0.8	1.9	-1.9	1.4	2.2	-1.5
2 Qtr.	-10.1	-12.7	-1.4	-9.9	-11.1	-4.2
3 Qtr.	-16.6	-19.4	-8.4	-14.3	-17.3	-2.4
4 Qtr.	-15.3	-17.5	-9.3	-13.0	-15.1	-5.0
2009 1 Qtr.	-14.8	-17.9	-6.4	-13.3	-14.8	-8.1
2 Qtr.	-4.4	-1.6	-12.8	-2.8	-2.7	-3.3
3 Qtr.	2.7	4.2	-1.3	1.3	2.8	-3.6
4 Qtr.	0.5	-1.8	6.4	-0.8	-1.7	2.5
2010 1 Qtr.	4.4	1.1	12.4	4.6	0.9	16.8
2 Qtr.	6.4	2.4	20.0	4.6	1.8	16.0
3 Qtr.	8.3	7.8	9.4	10.1	8.4	16.3
4 Qtr.	11.9	13.5	8.2	11.9	11.7	12.7
2011 1 Qtr.	8.7	10.9	4.0	10.8	11.6	8.3
2 Qtr.	1.6	2.9	-2.1	2.8	3.8	-1.0
3 Qtr.	0.9	-1.2	6.2	-0.5	-1.0	1.4
4 Qtr.	4.1	2.2	8.9	4.9	2.7	12.0
2012 1 Qtr.	8.6	4.9	17.1	7.0	3.4	17.7
2 Qtr.	10.8	5.5	27.1	9.8	6.1	24.3
3 Qtr.	9.1	4.0	21.6	8.3	3.7	23.8
4 Qtr.	10.2	7.3	17.1	8.2	6.3	13.9
2013 1 Qtr.	4.6	4.2	5.5	2.6	3.3	1.0
2 Qtr.	3.4	2.3	6.0	1.8	1.4	3.2
3 Qtr.	1.7	0.2	4.8	1.8	1.1	3.7
4 Qtr.	-2.6	-6.5	5.5	-3.0	-4.8	2.3
2/ 2014 1 Qtr.	0.3	-2.7	6.5	0.6	-1.2	5.2
2/ 2 Qtr.	1.9	0.2	6.0	1.8	0.6	5.8
2/ 3 Qtr.	2.1	2.3	1.7	-0.2	1.2	-3.9
2/ 4 Qtr.	5.6	6.7	3.4	4.5	4.6	4.4
2/ 2015 1 Qtr.	3.4	4.0	2.3	3.1	2.3	5.0
2/ 2 Qtr.	6.7	7.9	3.7	5.2	5.6	4.0
2/ 3 Qtr.	3.6	4.2	2.5	3.6	1.9	8.4
2/ 4 Qtr.	4.3	5.4	2.1	3.2	3.4	2.7
2/ 2016 1 Qtr.	3.6	4.1	2.7	1.0	0.1	3.2
2/ 2 Qtr.	1.9	1.3	3.3	1.3	0.2	4.7

1/ Staying overnight or longer.

2/ 2014 Total and Domestic and 2015 and 2016Q1 data are revised and 2016 data are preliminary.

Source: Hawaii State Department of Business, Economic Development & Tourism and <<http://www.hawaii.gov/dbedt/info/visitor-stats/>> and Hawaii Tourism Authority, Tourism Research.

**Table D-15. HOTEL OCCUPANCY RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual Average</i>
In Percent					
1982	79.0	65.9	70.9	66.7	70.4
1983	75.2	68.1	71.7	66.5	69.7
1984	84.0	75.6	74.6	75.1	76.0
1985	88.1	69.1	75.0	72.5	76.1
1986	87.0	78.8	79.9	76.8	81.7
1987	88.0	77.1	82.1	77.8	81.1
1988	81.7	75.1	81.3	75.1	78.5
1989	85.9	73.9	81.0	75.7	79.0
1990	83.9	75.5	81.0	74.3	78.8
1991	68.2	70.7	79.7	72.5	72.4
1992	75.3	68.6	75.5	75.2	72.7
1993	75.3	67.9	73.8	72.5	72.0
1994	80.9	72.7	79.1	74.8	76.5
1995	79.5	70.3	79.2	75.1	75.8
1996	81.9	72.3	77.1	70.0	75.2
1997	79.5	70.8	75.5	69.9	73.9
1998	77.4	68.7	72.9	67.7	71.5
1999	77.0	67.7	75.0	68.7	72.1
2000	79.2	75.2	78.5	73.1	76.0
2001	80.7	70.7	70.3	57.2	69.2
2002	71.7	67.9	72.5	67.1	69.7
2003	74.4	67.1	77.4	71.3	72.6
2004	80.2	75.7	81.5	73.4	77.7
2005	83.8	78.4	84.8	77.2	81.1
2006	83.6	78.2	82.5	74.1	79.5
2007	77.5	72.0	78.6	72.0	75.0
2008	78.7	68.8	70.5	63.8	70.4
2009	66.7	63.7	67.3	63.5	64.8
2010	70.6	67.3	75.2	69.5	70.7
2011	76.6	68.6	76.1	71.9	73.2
2012	80.3	73.8	78.9	74.5	76.9
2013	82.0	74.2	77.8	72.3	76.5
2014	80.8	74.0	78.7	74.7	77.0
2015 1/	80.0	77.9	79.9	78.0	78.8
2016 1/	81.0	(NA)	(NA)	Year-to-Date	81.0

NA Not available.

The 2nd, 3rd, and 4th Quarter averages are computed by Hawaii State Department of Business, Economic Development & Tourism from PKF-Hawaii monthly averages through January 1995 and Hospitality Advisors LLC monthly averages from February 1995. The 1st quarter and Annual are as released or revised by source.

1/ Source revises each month of previous year when current year is released, i.e. 2015Q1.

Source: Hawaii State Department of Business, Economic Development & Tourism, PKF-Hawaii and Hospitality Advisors LLC.



## E. CONSTRUCTION

The indicators of Hawaii's construction industry were mixed in the second quarter of 2016. The value of private building authorizations, construction jobs, and State CIP expenditures increased, but government contracts awarded decreased.

Construction has been one of the steady contributors to job growth in Hawaii over the past few years. In the second quarter of 2016, the construction sector added 6,200 jobs or 18.3 percent compared with the same quarter of 2015. In the first half of 2016, the construction sector added 6,350 jobs or 19.2 percent (Table A-7) from the same period in 2015. Before the recession, specifically the period 2002 through 2007, construction job growth averaged 8.0 percent per year. In the fourth quarter of 2007, the average number of construction jobs reached a peak of 40,000 jobs. The strength of the current construction job market is a sharp contrast to the recession period. From the second quarter of 2008 until the second quarter of 2011 quarter-over-quarter construction job growth was negative in all quarters.

In the second quarter of 2016, private building authorizations in the state increased \$119.8 million or 14.3 percent, compared with the second quarter of 2015 (Table E-8). In the first half of 2016, private building authorizations for the state decreased \$632.3 million or 29.6 percent compared with the same period last year.

In the second quarter of 2016, private building authorizations in Honolulu increased \$142.4 million or 30.6 percent, compared with the second quarter of 2015 (Table E-8). In the first half of 2016, private building authorizations in Honolulu decreased \$227.5 million or 19.3 percent compared with the same period last year.

In the second quarter of 2016, private building authorizations in Hawaii County increased \$1.6 million or 0.8 percent, compared with the second quarter of 2015 (Table E-8). In the first half of 2016, private building authorizations in Hawaii County decreased \$46.9 million or 13.3 percent compared with the same period last year.

In the second quarter of 2016, private building authorizations in Maui decreased \$32.3 million or 25.6 percent, compared with the second quarter of 2015 (Table E-8). In the first half of 2016, private

building authorizations in Maui decreased \$369.0 million or 66.5 percent compared with the same period last year.

In the second quarter of 2016, private building authorizations (residential only) in Kauai increased \$8.0 million or 23.3 percent, compared with the second quarter of 2015 (Table E-8). In the first half of 2016, private building authorizations in Kauai increased \$11.1 million or 20.9 percent compared with the same period last year.

Government contracts awarded decreased \$328.3 million or 48.2 percent in the second quarter of 2016 compared with the previous year. In the first half of 2016, government contracts awarded decreased \$378.3 million or 41.8 percent compared with the previous year (Table E-1). State government CIP expenditures increased \$70.2 million or 18.4 percent in the second quarter of 2016 (Table E-2). In the first half of 2016, CIP expenditures increased \$65.3 million or 10.1 percent compared with the previous year.

The Honolulu Construction Cost Index increased 1.0 percent in the second quarter of 2016 compared to the same quarter of 2015 for Single Family Residence (Table E-6) and 1.7 percent for High-Rise Building (Table E-7). In the first half of 2016 compared to 2015 the index for Single Family Residence increased 1.4 percent and 1.8 percent for High-Rise Building.

In the second quarter of 2016, Honolulu's median price for single family resales was \$730,000, an increase of \$40,000 or 5.8 percent from the same quarter of 2015 (Table E-11). The median price for condominium units was \$390,000, up \$35,000 or 9.9 percent from the same quarter of the previous year (Table E-12). In the second quarter of 2016, the number of single-family unit resales was up 1.1 percent, and the number of condominium unit resales was up 5.8 percent compared with the second quarter of 2015 (Tables E-13 and E-14). In the first half of 2016, the number of single-family unit resales was up 7.8 percent, and condominium unit resales was up 10.7 percent compared with the same period last year.

In the second quarter of 2016, in Maui County single-family unit resales increased 5.1 percent, and condominium unit resales decreased 12.7 percent compared to the same quarter of 2015 (Tables E-19 and E-20).

**Table E-1. ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED**

Year	Contracting tax base 1/	Private Building Authorization 4/				Government Contracts Awarded
		Total Private Authorizations	Residential 4/	Commercial & Industrial 2/	Additions & Alterations	
In Millions of Dollars						
1982	1,294.9	683.1	299.2	242.9	141.1	391.6
1983	1,353.4	685.2	296.2	203.2	185.9	275.0
1984	1,242.9	581.5	327.7	104.0	149.9	388.7
1985	1,367.7	888.9	500.1	208.8	180.1	248.9
1986	1,808.0	1,025.2	455.5	267.4	302.3	422.7
1987	2,003.1	1,161.9	507.0	344.4	310.5	370.9
1988	2,487.6	1,546.5	689.2	541.2	316.1	665.0
1989	3,112.8	1,882.4	910.7	561.8	409.9	725.2
1990	4,003.7	2,101.8	952.3	698.0	451.5	825.5
1991	4,334.1	2,151.8	1,192.0	556.2	403.7	729.4
1992	4,012.7	1,751.9	811.1	532.3	408.5	1,159.1
1993	3,803.6	1,505.4	742.1	308.0	455.3	651.8
1994	3,322.3	1,612.9	849.3	370.3	393.4	693.0
1995	3,133.5	1,531.3	745.5	368.3	417.5	490.2
1996	3,285.1	1,117.8	487.0	252.8	378.0	885.5
1997	2,944.4	1,179.2	542.5	264.5	372.2	615.6
1998	3,016.0	1,054.3	485.5	205.6	363.2	685.1
1999	2,991.2	1,320.2	628.8	306.2	385.3	584.8
2000 3/	3,613.5	1,512.6	800.1	246.2	466.2	810.9
2001	3,766.4	1,585.7	882.4	329.1	374.2	715.7
2002 4/	4,275.0	1,772.0	1,112.9	254.2	404.9	768.3
2003 4/	4,536.3	2,361.2	1,345.1	507.5	508.6	633.4
2004 4/	4,921.5	2,726.5	1,767.7	303.3	655.6	1,384.6
2005 4/	6,024.0	3,492.0	2,259.3	433.5	799.1	725.1
2006 4/	7,223.3	3,770.1	1,811.8	732.0	1,226.2	853.8
2007 4/	8,072.9	3,585.4	1,855.4	703.9	1,026.2	869.5
2008 4/	7,987.1	2,906.6	1,381.6	427.1	1,097.9	952.8
2009 4/	6,641.7	1,998.9	799.2	284.8	914.9	778.6
2010 4/	5,589.8	1,980.3	779.0	377.5	823.8	1,057.6
2011 4/	5,837.4	1,858.8	687.9	285.9	884.9	430.7
2012 4/	7,006.1	2,643.8	837.2	271.1	1,535.5	772.9
2013 4/	7,330.0	2,720.5	1,025.0	296.5	1,399.0	1,194.2
2014 4/	7,024.0	3,315.1	985.9	498.5	1,830.6	1,096.6
2015 4/	8,112.2	3,963.6	1,651.3	702.9	1,609.4	1,554.6
1998 1 Qtr.	757.1	260.4	118.2	50.4	91.9	155.3
2 Qtr.	706.3	246.7	121.3	48.4	76.9	127.5
3 Qtr.	793.6	296.0	123.5	55.1	117.3	218.7
4 Qtr.	759.0	251.3	122.6	51.7	77.0	183.5
1999 1 Qtr.	732.1	342.9	141.6	125.0	76.3	177.3
2 Qtr.	737.0	314.3	153.4	72.3	88.5	104.6
3 Qtr.	758.1	314.0	151.1	63.9	99.0	147.1
4 Qtr.	764.0	349.0	182.6	45.0	121.4	155.8
2000 1 Qtr.	877.6	351.8	203.3	61.3	87.3	217.1
2 Qtr.	869.1	392.9	194.9	72.9	125.1	96.6
3 Qtr.	894.9	377.4	204.1	59.1	114.2	405.1
3/ 4 Qtr.	971.8	390.4	197.9	52.9	139.6	92.1
2001 1 Qtr.	920.5	362.5	186.3	96.6	79.6	178.0
2 Qtr.	918.4	423.6	234.3	77.9	111.5	175.7
3 Qtr.	893.2	421.0	256.3	68.3	96.4	113.1
4 Qtr.	1,034.3	378.6	205.6	86.3	86.7	248.9
2002 4/ 1 Qtr.	913.7	336.3	191.7	47.0	97.6	250.8
4/ 2 Qtr.	1,025.0	437.1	276.9	59.3	100.9	133.6
4/ 3 Qtr.	1,213.7	497.6	346.6	47.2	103.8	255.7
4/ 4 Qtr.	1,122.5	501.1	297.7	100.7	102.6	128.2
2003 4/ 1 Qtr.	1,122.3	655.1	326.0	217.9	111.3	168.3
4/ 2 Qtr.	1,139.3	716.7	398.1	155.3	163.3	86.0
4/ 3 Qtr.	1,179.6	531.0	316.5	87.9	126.6	228.3
4/ 4 Qtr.	1,095.1	458.4	304.6	46.4	107.4	150.8
2004 4/ 1 Qtr.	1,143.3	780.8	542.5	107.4	130.8	256.7
4/ 2 Qtr.	1,126.0	718.9	440.5	50.8	227.6	804.1
4/ 3 Qtr.	1,345.9	597.6	366.0	73.0	158.6	187.2
4/ 4 Qtr.	1,306.3	629.3	418.7	72.1	138.5	136.6
2005 4/ 1 Qtr.	1,440.9	706.5	420.3	48.7	237.6	213.6
4/ 2 Qtr.	1,429.8	728.5	450.7	103.4	174.4	105.5
4/ 3 Qtr.	1,608.1	1,050.5	662.1	220.1	168.4	314.4
4/ 4 Qtr.	1,545.1	1,006.4	726.2	61.4	218.8	91.5
2006 4/ 1 Qtr.	1,714.7	766.2	481.1	61.1	224.0	297.2
4/ 2 Qtr.	1,677.1	908.1	451.6	160.7	295.9	174.4
4/ 3 Qtr.	1,920.2	1,051.5	460.5	206.5	384.5	220.6
4/ 4 Qtr.	1,911.3	1,044.2	418.6	303.8	321.8	161.6
2007 4/ 1 Qtr.	1,991.0	737.1	412.1	59.7	265.3	180.1
4/ 2 Qtr.	2,081.1	1,085.7	668.8	222.6	194.2	317.7
4/ 3 Qtr.	1,924.9	896.3	412.1	144.3	339.9	255.1
4/ 4 Qtr.	2,075.9	866.3	362.3	277.2	226.8	116.5
2008 4/ 1 Qtr.	1,885.1	741.1	353.2	94.0	293.9	196.2
4/ 2 Qtr.	1,977.5	1,048.5	517.4	154.7	376.5	132.8
4/ 3 Qtr.	2,095.9	690.0	346.5	132.3	211.3	351.8
4/ 4 Qtr.	2,028.6	426.8	164.5	46.2	216.2	272.0
2009 4/ 1 Qtr.	1,779.9	542.2	276.3	38.8	227.0	167.2
4/ 2 Qtr.	1,726.6	470.7	160.5	97.3	212.8	197.3
4/ 3 Qtr.	1,580.1	558.8	193.4	56.5	308.9	233.8
4/ 4 Qtr.	1,555.1	427.3	169.0	92.1	166.1	180.4
2010 4/ 1 Qtr.	1,427.0	455.3	235.4	53.1	166.9	83.1
4/ 2 Qtr.	1,301.9	537.3	184.9	123.5	228.9	353.7
4/ 3 Qtr.	1,487.7	552.4	196.3	84.3	271.8	352.6
4/ 4 Qtr.	1,373.2	435.3	162.5	116.6	156.2	268.2
2011 4/ 1 Qtr.	1,382.9	380.9	146.8	48.1	186.1	75.4
4/ 2 Qtr.	1,443.6	438.4	178.4	47.2	212.7	63.0
4/ 3 Qtr.	1,468.2	537.7	206.7	80.2	250.8	124.5
4/ 4 Qtr.	1,542.7	501.8	156.1	110.4	235.3	167.7
2012 4/ 1 Qtr.	1,561.4	556.7	145.3	61.5	349.9	71.4
4/ 2 Qtr.	1,680.8	647.3	246.6	50.6	350.1	280.6
4/ 3 Qtr.	1,858.5	686.6	200.2	75.7	410.7	323.3
4/ 4 Qtr.	1,905.5	753.2	245.1	83.3	424.8	97.5
2013 4/ 1 Qtr.	1,847.6	629.1	289.1	46.9	293.0	228.8
4/ 2 Qtr.	1,935.3	714.0	193.3	145.7	375.1	371.0
4/ 3 Qtr.	1,844.9	688.4	317.4	27.5	343.6	481.4
4/ 4 Qtr.	1,702.1	689.0	225.2	76.5	387.3	113.1
2014 4/ 1 Qtr.	1,732.3	758.4	150.6	94.9	512.9	155.7
4/ 2 Qtr.	1,766.6	806.5	305.6	80.7	420.2	291.3
4/ 3 Qtr.	1,666.4	789.6	230.4	73.8	485.4	394.9
4/ 4 Qtr.	1,858.7	960.6	299.3	249.2	412.1	254.7
2015 4/ 1 Qtr.	1,801.4	1,297.6	482.5	383.6	431.5	225.0
4/ 2 Qtr.	1,995.3	840.4	412.7	113.9	313.7	680.8
4/ 3 Qtr.	2,212.3	892.2	338.3	111.0	442.9	487.1
4/ 4 Qtr.	2,103.3	933.4	417.8	94.4	421.2	161.7
2016 4/ 1 Qtr.	1,745.4	545.6	223.1	30.2	292.3	175.0
4/ 2 Qtr.	(NA)	960.2	429.6	75.6	455.0	352.5
	#VALUE!	119.8	16.9	-38.4	141.3	-328.3
	NA	-632.3	-242.6	-391.8	2.1	-378.3

NA Not available.  
 First Hawaiian Bank has discontinued compiling Government Contracts Awarded. Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the fourth quarter 1997 based on data in Building Industry.  
 1/ Formerly, this category was "Value of Construction Completed", subject to revision by Hawaii State Department of Taxation.  
 2/ Includes hotels.  
 3/ Kauai County Private Building Authorizations data for November consist of residential data only.  
 4/ Beginning with 2002 Kauai Private Building Authorizations data available for residential only.  
 Source: Hawaii State Department of Taxation; county building departments; U.S. Census Bureau; First Hawaiian Bank; Building Industry.

**Table E-1. ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED - Con.**

Year	Contracting tax base 1/	Private Building Authorization 4/				Government Contracts Awarded
		Total Private Authorizations	Residential 4/	Commercial & Industrial 2/	Additions & Alterations	
Percentage Change from the Same Period in Previous Year						
1983	4.5	0.3	-1.0	-16.3	31.8	-29.8
1984	-8.2	-15.1	10.6	-48.8	-19.4	41.3
1985	10.0	52.9	52.6	100.8	20.1	-36.0
1986	32.2	15.3	-8.9	28.1	67.9	69.8
1987	10.8	13.3	11.3	28.8	2.7	-12.3
1988	24.2	33.1	35.9	57.1	1.8	79.3
1989	25.1	21.7	32.1	3.8	29.7	9.1
1990	28.6	11.7	4.6	24.2	10.1	13.8
1991	8.3	2.4	25.2	-20.3	-10.6	-11.6
1992	-7.4	-18.6	-32.0	-4.3	1.2	58.9
1993	-5.2	-14.1	-8.5	-42.1	11.5	-43.8
1994	-12.7	7.1	14.4	20.2	-13.6	6.3
1995	-5.7	-5.1	-12.2	-0.5	6.1	-29.3
1996	4.8	-27.0	-34.7	-31.4	-9.5	80.6
1997	-10.4	5.5	11.4	4.6	-1.5	-30.5
1998	2.4	-10.6	-10.5	-22.3	-2.4	11.3
1999	-0.8	25.2	29.5	48.9	6.1	-14.6
2000 3/	20.8	14.6	27.3	-19.6	21.0	38.7
2001	4.2	4.8	10.3	33.7	-19.7	-11.7
2002 4/	13.5	11.7	26.1	-22.8	8.2	7.3
2003 4/	6.1	33.3	20.9	99.7	25.6	-17.6
2004 4/	8.5	15.5	31.4	-40.2	28.9	118.6
2005 4/	22.4	28.1	27.8	43.0	21.9	-47.6
2006 4/	19.9	8.0	-19.8	68.8	53.4	17.8
2007 4/	11.8	-4.9	2.4	-3.8	-16.3	1.8
2008 4/	-1.1	-18.9	-25.5	-39.3	7.0	9.6
2009 4/	-16.8	-31.2	-42.2	-33.3	-16.7	-18.3
2010 4/	-15.8	-0.9	-2.5	32.5	-10.0	35.8
2011 4/	4.4	-6.1	-11.7	-24.3	7.4	-59.3
2012 4/	20.0	42.2	21.7	-5.2	73.5	79.4
2013 4/	4.6	2.9	22.4	9.4	-8.9	54.5
2014 4/	-4.2	21.9	-3.8	68.1	30.8	-8.2
2015 4/	15.5	19.6	67.5	41.0	-12.1	41.8
1999 1 Qtr.	-3.3	31.7	19.8	148.2	-17.0	14.1
2 Qtr.	4.3	27.4	26.5	49.4	15.1	-18.0
3 Qtr.	-4.5	6.1	22.4	15.9	-15.6	-32.8
4 Qtr.	0.7	38.9	49.0	-13.1	57.7	-15.1
2000 1 Qtr.	19.9	2.6	43.6	-51.0	14.4	22.4
2 Qtr.	17.9	25.0	27.0	0.8	41.3	-7.6
3 Qtr.	18.0	20.2	35.0	-7.4	15.3	175.4
3/ 4 Qtr.	27.2	11.9	8.4	17.6	15.0	-40.9
2001 1 Qtr.	4.9	3.0	-8.3	57.6	-8.8	-18.0
2 Qtr.	5.7	7.8	20.2	6.8	-10.9	81.9
3 Qtr.	-0.2	11.5	25.6	15.5	-15.6	-72.1
4 Qtr.	6.4	-3.0	3.9	63.3	-37.9	170.2
2002 4/ 1 Qtr.	-0.7	-7.2	2.9	-51.4	22.6	40.9
4/ 2 Qtr.	11.6	3.2	18.2	-23.8	-9.5	-24.0
4/ 3 Qtr.	35.9	18.2	35.2	-31.0	7.7	126.1
4/ 4 Qtr.	8.5	32.4	44.8	16.7	18.4	-48.5
2003 4/ 1 Qtr.	22.8	94.8	70.0	364.0	14.0	-32.9
4/ 2 Qtr.	11.2	64.0	43.8	161.6	61.9	-35.6
4/ 3 Qtr.	-2.8	6.7	-8.7	86.3	22.0	-10.7
4/ 4 Qtr.	-2.4	-8.5	2.3	-53.9	4.7	17.6
2004 4/ 1 Qtr.	1.9	19.2	66.4	-50.7	17.6	52.5
4/ 2 Qtr.	-1.2	0.3	10.6	-67.3	39.4	835.0
4/ 3 Qtr.	14.1	12.5	15.7	-17.0	25.3	-18.0
4/ 4 Qtr.	19.3	37.3	37.5	55.2	29.0	-9.4
2005 4/ 1 Qtr.	26.0	-9.5	-22.5	-54.7	81.6	-16.8
4/ 2 Qtr.	27.0	1.3	2.3	103.7	-23.4	-86.9
4/ 3 Qtr.	19.5	75.8	80.9	201.6	6.2	68.0
4/ 4 Qtr.	18.3	59.9	73.4	-14.8	57.9	-33.0
2006 4/ 1 Qtr.	19.0	8.5	14.5	25.6	-5.7	39.1
4/ 2 Qtr.	17.3	24.7	0.2	55.4	69.6	65.3
4/ 3 Qtr.	19.4	0.1	-30.4	-6.2	128.4	-29.8
4/ 4 Qtr.	23.7	3.8	-42.3	394.5	47.1	76.6
2007 4/ 1 Qtr.	16.1	-3.8	-14.3	-2.3	18.4	-39.4
4/ 2 Qtr.	24.1	19.6	48.1	38.6	-34.4	82.1
4/ 3 Qtr.	0.2	-14.8	-10.5	-30.1	-11.6	15.7
4/ 4 Qtr.	8.6	-17.0	-13.4	-8.7	-29.5	-27.9
2008 4/ 1 Qtr.	-5.3	0.5	-14.3	57.4	10.8	8.9
4/ 2 Qtr.	-5.0	-3.4	-22.6	-30.5	93.8	-58.2
4/ 3 Qtr.	8.9	-23.0	-15.9	-8.3	-37.8	37.9
4/ 4 Qtr.	-2.3	-50.7	-54.6	-83.3	-4.7	133.4
2009 4/ 1 Qtr.	-5.6	-26.8	-21.8	-58.7	-22.8	-14.8
4/ 2 Qtr.	-12.7	-55.1	-69.0	-37.1	-43.5	48.5
4/ 3 Qtr.	-24.6	-19.0	-44.2	-57.3	46.2	-33.5
4/ 4 Qtr.	-23.3	0.1	2.8	99.3	-23.1	-33.7
2010 4/ 1 Qtr.	-19.8	-16.0	-14.8	36.7	-26.5	-50.3
4/ 2 Qtr.	-24.6	14.2	15.2	26.9	7.6	79.3
4/ 3 Qtr.	-5.8	-1.2	1.5	49.1	-12.0	50.8
4/ 4 Qtr.	-11.7	1.9	-3.9	26.6	-6.0	48.7
2011 4/ 1 Qtr.	-3.1	-16.4	-37.7	-9.5	11.5	-9.2
4/ 2 Qtr.	10.9	-18.4	-3.5	-61.8	-7.1	-82.2
4/ 3 Qtr.	-1.3	-2.7	5.3	-4.8	-7.7	-64.7
4/ 4 Qtr.	12.3	15.3	-3.9	-5.3	50.6	-37.4
2012 4/ 1 Qtr.	12.9	46.2	-1.0	27.9	88.1	-5.3
4/ 2 Qtr.	16.4	47.7	38.2	7.2	64.6	345.3
4/ 3 Qtr.	26.6	27.7	-3.1	-5.6	63.8	159.6
4/ 4 Qtr.	23.5	50.1	57.0	-24.6	80.5	-41.9
2013 4/ 1 Qtr.	18.3	13.0	99.0	-23.7	-16.3	220.2
4/ 2 Qtr.	15.1	10.3	-21.6	187.8	7.1	32.2
4/ 3 Qtr.	-0.7	0.3	58.6	-63.7	-16.3	48.9
4/ 4 Qtr.	-10.7	-8.5	-8.1	-8.2	-8.8	16.0
2014 4/ 1 Qtr.	-6.2	20.6	-47.9	102.3	75.0	-31.9
4/ 2 Qtr.	-8.7	12.9	58.1	-44.6	12.0	-21.5
4/ 3 Qtr.	-9.7	14.7	-27.4	168.5	41.3	-18.0
4/ 4 Qtr.	9.2	39.4	32.9	225.8	6.4	125.2
2015 4/ 1 Qtr.	4.0	71.1	220.3	304.3	-15.9	44.5
4/ 2 Qtr.	12.9	4.2	35.1	41.2	-25.3	133.7
4/ 3 Qtr.	32.8	13.0	46.8	50.3	-8.8	23.4
4/ 4 Qtr.	13.2	-2.8	39.6	-62.1	2.2	-36.5
2016 4/ 1 Qtr.	-3.1	-58.0	-53.8	-92.1	-32.3	-22.2
4/ 2 Qtr.	(NA)	14.3	4.1	-33.7	45.0	-48.2

NA Not available.

First Hawaiian Bank has discontinued compiling Government Contracts Awarded. Hawaii State Department of Business, Economic Development & Tourism has compiled preliminary estimates beginning with the fourth quarter 1997 based on data in Building Industry.

1/ Formerly, this category was "Value of Construction Completed", subject to revision by Hawaii State Department of Taxation.

2/ Includes hotels.

3/ Kauai data for November consist of residential data only.

4/ Beginning in 2002 Kauai data available for residential only.

Source: Hawaii State Department of Taxation; county building departments; U.S. Census Bureau; First Hawaiian Bank; Building Industry.

## F. OTHER INDICATORS

The total number of bankruptcy filings in Hawaii decreased 11.4 percent or by 46 cases for the second quarter of 2016, from the same quarter of 2015. In the first half of 2016, total filings decreased 13.2 percent or 107 cases from the same period last year.

The number of Chapter 7 filings, the largest category, had a decrease of 6.6 percent or 18 cases in the second quarter of 2016. Chapter 7 filings are intended to liquidate assets and discharge debt. In the first half of 2016, Chapter 7 filings were down 13.6 percent or 77 cases from the same period last year.

Chapter 11 filings increased from 0 cases in the second quarter of 2015 to 4 cases in the second quarter of 2016. In the first half of 2016,

Chapter 11 filings increased to 10 cases from 7 cases in the same period last year. Chapter 11 filings involve the structuring of repayment plans for companies.

Chapter 13 filings in the second quarter of 2016 decreased 24.4 percent or 31 cases from the second quarter of 2015. In the first half of 2016, Chapter 13 filings decreased 13.4 percent or 32 cases from the same period last year. Chapter 13 bankruptcy allows debtors to work out repayment arrangements with creditors.

For quarterly bankruptcy statistics, see: <http://www.uscourts.gov/bkrcpctstats/statistics.htm>.

For District of Hawaii monthly statistics, see: [http://www.hib.uscourts.gov/stats/index\\_stats.html](http://www.hib.uscourts.gov/stats/index_stats.html)

**Total Bankruptcy Filings (Chapters 7, 11, 12, and 13)**

