

# ***QUARTERLY STATISTICAL & ECONOMIC REPORT, Executive Summary 3rd Quarter 2017***

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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 9, 2017.

#### 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 mixed in the second quarter of 2017. Visitor arrivals, visitor expenditures, State general fund tax revenues, wage and salary jobs, personal income (through the first quarter) increased, but private building authorizations, government contracts awarded and State CIP expenditures decreased in the quarter compared to the second quarter of 2016.

In the second quarter of 2017, the total number of visitors arriving by air to Hawaii increased 125,054 or 5.7 percent. Due to longer lengths of stay, the daily visitor census increased 5.8 percent in the quarter. Since visitors spent more on a daily basis in the second quarter of 2017, total visitors by air spending increased 7.1 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 2017, the construction sector lost 300 jobs, the government contracts awarded decreased \$92.7 million or 28.2 percent, the permit value for private construction decreased \$139.1 million or 14.5 percent, and the State CIP expenditures decreased \$152.1 million or 33.7 percent, compared with the same quarter of 2016. According to the most recent excise tax base data available, current construction put-in-place increased \$425.3 million or 24.4 percent in the first quarter of 2017, compared with that quarter in 2016.

In the second quarter of 2017, State general fund tax revenues were up \$29.5 million or 1.8 percent over the same period of 2016. State general excise tax revenue increased \$19.9 million or 2.5 percent in the second quarter of 2017, compared to second quarter 2016. In the first half of 2017, State general fund tax revenues increased \$101.0 million or 3.2 percent, and state general excise tax revenue increased \$33.5 million or 2.1 percent, compared to the same period of the previous year.

Labor market conditions were positive. Since the fourth quarter of 2010, Hawaii's jobs increased for the 26<sup>th</sup> consecutive quarter. In the second quarter of 2017, Hawaii's non-agricultural wage and salary jobs averaged 654,400 jobs, an increase of 8,800 jobs or 1.4 percent from the same quarter of 2016.

The job increase in the second quarter of 2017 was due to job increases in both the private sector and government sector. In this quarter, the private sector added about 8,000 non-agricultural jobs compared to the second

quarter of 2016. Jobs increased the most in Food Services and Drinking Places, adding 2,800 jobs or 4.3 percent. This was followed by Retail Trade, adding 1,000 jobs or 1.4 percent, Information, adding 2,700 jobs or 3.7 percent, and Accommodation, adding 1,000 jobs or 2.5 percent in the quarter. For the private sector, Health Care & Social Assistance jobs had the largest decrease, losing 500 jobs or 0.7 percent; followed by Manufacturing, lost 400 jobs or 2.9 percent in the quarter. The three levels of government added 800 jobs or 0.6 percent in the quarter. The Federal Government added 200 jobs or 0.6 percent; the State Government added 700 jobs or 0.9 percent, while the Local Government lost 100 jobs or 0.5 percent.

The U.S. Bureau of Economic Analysis (BEA) estimates of quarterly GDP show, in the first quarter of 2017, total annualized nominal GDP increased \$2,301 million or 2.8 percent from the first quarter of 2016. In 2016, total annualized nominal GDP increased \$3,317 million or 4.1 percent from the previous year. In the first quarter of 2017, total annualized real GDP (in chained 2009 dollar) increased \$636 million or 0.9 percent from the first quarter of 2016. In 2016, total annualized real GDP increased \$1,538 million or 2.1 percent from the previous year.

In the first quarter of 2017, total non-farm private sector annualized earnings increased \$1,009.3 million or 2.9 percent from the first quarter of 2016. In dollar terms, the largest increase occurred in accommodation and food services; followed by administrative and waste management services, professional, scientific & technical services, management of companies and enterprises, and retail trade. During the first quarter of 2017, total government earnings increased \$317.7 million or 2.0 percent from the same quarter of 2016. Earnings from the federal government increased \$187.0 million or 2.2 percent. Earnings from the state and local governments increased \$130.7 million or 1.8 percent in the quarter.

In the first half of 2017, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 2.5 percent from the same period in 2016. This is 0.3 of a percentage point above 2.2 percent increase for the U.S. average CPI-U and is higher than the 2016 Honolulu CPI-U increase of 2.0 percent from the previous year. In the first half of 2017, the Honolulu CPI-U increased the most in Apparel (5.8 percent), followed by Housing (4.1 percent), Transportation (2.9 percent), Medical Care (1.5 percent), Other Goods and Services (1.3 percent), Food and Beverages (1.0 percent), and Recreation (1.0 percent). The price of Education and Communication decreased 3.6 percent compared to the first half of 2016.

**Table 1. 2017 QUARTERLY ECONOMIC INDICATORS:  
STATE OF HAWAII**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2016	2017	% CHANGE YEAR AGO	2016	2017	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	683,150	694,450	1.7	681,950	695,050	1.9
Civilian employed, NSA	661,250	674,500	2.0	660,650	675,450	2.2
Civilian unemployed, NSA	21,900	19,900	-9.1	21,350	19,600	-8.2
Unemployment rate, NSA (%) 1/ 2/	3.2	2.9	-0.3	3.1	2.8	-0.3
Total wage and salary jobs, NSA	651,600	660,400	1.4	650,800	658,000	1.1
Total non-agric. wage & salary jobs	645,600	654,400	1.4	644,800	652,000	1.1
Nat. Resources, Mining, Constr.	37,700	37,400	-0.8	37,700	37,200	-1.3
Manufacturing	14,000	13,600	-2.9	14,000	13,600	-2.9
Wholesale Trade	17,700	17,400	-1.7	17,700	17,400	-1.7
Retail Trade	69,400	72,000	3.7	69,900	71,800	2.7
Transp., Warehousing, Util.	31,300	31,900	1.9	31,200	31,700	1.6
Information	8,600	9,100	5.8	8,500	9,100	7.1
Financial Activities	28,300	28,100	-0.7	28,200	28,200	0.0
Professional & Business Services	83,200	84,100	1.1	83,200	83,900	0.8
Educational Services	15,000	15,900	6.0	15,100	15,800	4.6
Health Care & Social Assistance	68,400	67,900	-0.7	68,100	67,700	-0.6
Arts, Entertainment & Recreation	12,000	12,200	1.7	11,900	12,100	1.7
Accommodation	40,200	41,200	2.5	40,100	40,900	2.0
Food Services & Drinking Places	65,300	68,100	4.3	65,100	67,800	4.1
Other Services	27,200	27,300	0.4	27,100	27,200	0.4
Government	127,300	128,100	0.6	127,000	127,800	0.6
Federal	33,000	33,200	0.6	32,900	33,200	0.9
State	75,300	76,000	0.9	75,200	75,800	0.8
Local	19,000	18,900	-0.5	18,900	18,800	-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)	1,665,290	1,694,769	1.8	3,169,445	3,270,405	3.2
General excise and use tax revenues	802,314	822,229	2.5	1,620,630	1,654,123	2.1
Income-individual	601,965	616,031	2.3	1,097,963	1,172,381	6.8
Declaration estimated taxes	244,555	196,962	-19.5	368,866	374,705	1.6
Payment with returns	126,147	111,424	-11.7	148,407	136,753	-7.9
Withholding tax on wages	459,509	465,028	1.2	928,847	990,807	6.7
Refunds ('-' indicates relative to State)	-228,246	-157,254	-31.1	-348,157	-329,754	-5.3
Transient accommodations tax	111,609	119,574	7.1	235,401	259,185	10.1
Honolulu County Surcharge 3/	62,566	(NA)	(NA)	130,310	(NA)	(NA)
Private Building Permits (\$1,000)	960,150	821,035	-14.5	1,505,717	1,740,541	15.6
Residential	429,603	359,401	-16.3	652,669	866,785	32.8
Commercial & industrial	75,570	131,377	73.8	105,753	232,782	120.1
Additions & alterations	454,977	330,256	-27.4	747,295	640,974	-14.2
Visitor Days - by air	19,192,443	20,304,578	5.8	39,796,025	41,460,505	4.2
Domestic visitor days - by air	14,387,986	15,123,406	5.1	28,821,407	29,771,691	3.3
International visitor days - by air	4,804,457	5,181,172	7.8	10,974,619	11,688,814	6.5
Visitor arrivals by air - by air	2,185,900	2,310,954	5.7	4,359,246	4,534,893	4.0
Domestic flight visitors - by air	1,532,744	1,617,763	5.5	2,960,608	3,068,904	3.7
International flight visitors - by air	653,156	693,192	6.1	1,398,638	1,465,989	4.8
Visitor expend. - arrivals by air (\$1,000)	3,709,460	3,971,137	7.1	7,668,300	8,339,051	8.7
Hotel occupancy rates (%) 2/	77.6	(NA)	(NA)	79.2	80.1	0.9

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.

8/10/2017

## OUTLOOK FOR THE ECONOMY

Hawaii's economy is expected to continue positive growth for 2017 and 2018. 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 July 2017 *Blue Chip Economic Consensus Forecasts*, U.S. real GDP is expected to increase by 2.2 percent in 2017, 0.1 of a percentage point above the growth rate projected in the May 2017 forecast. For 2018 the consensus forecast predicts an overall 2.4 percent growth in U.S. real GDP.

According to the July 2017 *Blue Chip Economic Consensus Forecast*, real GDP growth for Japan is now expected to increase 1.3 percent in 2017; the same as the growth rate projected in the May 2017 forecast. For 2018, the consensus forecast now projects an overall 1.0 percent growth rate for Japanese real GDP.

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

Overall, Hawaii's economy, as measured by real GDP, is projected to show a 1.4 percent increase in 2017, 0.5 of a percentage point below the growth rate forecast last quarter. The real GDP growth forecast for 2018 is 1.5 percent, 0.2 of a percentage point below the previous forecast.

Hawaii's unemployment rate is projected to be 2.9 percent in 2017, same as the previous forecast. The unemployment rate in 2018 is projected to be 3.1 percent, also same as the previous forecast.

Visitor arrivals are expected to increase 3.2 percent in 2017, 1.2 percentage point above the previous forecast. The forecast for visitor days in 2017 also increased 1.2 percentage point to 3.4 percent. The 2017 forecast for visitor expenditure growth was revised upward to 6.5 percent, from 5.1 percent growth projected in the previous forecast. For 2018, the growth rate of visitor arrivals, visitor days, and visitor expenditures are now expected to be 1.4 percent, 1.2 percent, and 2.2 percent, respectively.

The projection for the non-agricultural wage and salary job growth rate for 2017 is 1.0 percent, same as the previous forecast. In 2018, jobs are projected to increase 0.9 percent, also the same as the previous forecast.

The Honolulu Consumer Price Index (CPI) is now expected to increase 2.5 percent in 2017, the same as the previous forecast. In 2018, the CPI is projected to increase 2.3 percent, also same as the previous forecast.

Personal income in current dollars is now expected to increase 3.5 percent in 2017, 1.2 percentage point below the previous forecast. Real personal income is now projected to grow 1.7 percent in 2017, 0.7 of a percentage point below the previous forecast. In 2018, current-dollar personal income and real personal income are expected to increase 3.4 and 1.5 percent, respectively.

Beyond 2018, the economy is expected to continue its expansion path, with job growth projected to be 1.0 percent in 2019 and 0.8 percent in 2020. Visitor arrivals are expected to increase 1.5 percent in 2019 and 2020. Visitor expenditures are expected to increase 3.6 percent in 2019 and 2020. Real personal income is projected to increase 1.4 percent in both 2019 and 2020. Hawaii's real GDP growth is expected to increase 1.4 percent in 2019 and 1.3 percent in 2020. The unemployment rate is expected to increase to 3.2 percent in 2019 and 3.4 percent in 2020.

**ACTUAL AND FORECAST KEY ECONOMIC INDICATORS FOR HAWAII:  
2015 TO 2020**

Economic Indicators	2015	2016	2017	2018	2019	2020
	(Actual)		(Forecast)			
Total population (thousands)	1,425	1,429	1,436	1,447	1,459	1,470
Visitor arrivals (thousands) 1/	8,680	8,941	9,231	9,359	9,496	9,636
Visitor days (thousands) 1/	78,620	80,383	83,127	84,114	85,386	86,682
Visitor expenditures (million dollars) 1/	15,111	15,748	16,778	17,139	17,751	18,384
Honolulu CPI-U (1982-84=100)	260.2	265.3	271.9	278.2	284.6	291.1
Personal income (million dollars)	69,129	72,100	74,623	77,160	79,707	82,337
Real personal income (millions of 2009\$) 2/	53,212	54,382	55,307	56,136	56,922	57,719
Non-agricultural wage & salary jobs (thousands)	638.6	647.6	654.1	660.0	666.6	671.9
Civilian unemployment rate 3/	3.6	3.0	2.9	3.1	3.2	3.4
Gross domestic product (million dollars)	80,599	83,917	86,570	89,427	92,289	95,242
Real gross domestic product (millions of 2009\$)	71,714	73,252	74,305	75,419	76,475	77,469
Gross domestic product deflator (2009=100)	112.4	114.6	116.5	118.6	120.7	122.9
Annual Percentage Change						
Total population	0.6	0.2	0.5	0.8	0.8	0.8
Visitor arrivals 1/	4.3	3.0	3.2	1.4	1.5	1.5
Visitor days 1/	3.5	2.2	3.4	1.2	1.5	1.5
Visitor expenditures 1/	0.9	4.2	6.5	2.2	3.6	3.6
Honolulu CPI-U	1.0	2.0	2.5	2.3	2.3	2.3
Personal income	4.8	4.3	3.5	3.4	3.3	3.3
Real personal income 2/	3.9	2.2	1.7	1.5	1.4	1.4
Non-agricultural wage & salary jobs	1.8	1.4	1.0	0.9	1.0	0.8
Civilian unemployment rate 3/	-0.8	-0.6	-0.1	0.2	0.1	0.2
Gross domestic product	4.9	4.1	3.2	3.3	3.2	3.2
Real gross domestic product	2.3	2.1	1.4	1.5	1.4	1.3
Gross domestic product deflator (2009=100)	2.5	1.9	1.7	1.8	1.8	1.9

1/ Visitors who came to Hawaii by air or by cruise ship. Expenditures includes supplementary expenditures. 2016 supplementary expenditure was estimated by DBEDT.

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 9, 2017.

## COUNTY ECONOMIC CONDITIONS

Overall economic conditions were mostly positive across the counties in the second quarter of 2017. The unemployment rate decreased and total non-agricultural wage and salary jobs increased in all counties. Total visitor arrivals by air and visitor expenditures increased in all counties. However; the value of private building permits decreased in all counties, except Maui.

In the second quarter of 2017, the unemployment rate in all counties decreased. The unemployment rate in Honolulu County decreased 0.3 of a percentage point from 3.0 percent to 2.7 percent; the unemployment rate in Maui County decreased 0.2 of a percentage point from 3.3 percent to 3.1 percent; the unemployment rate in Hawaii County decreased 0.6 of a percentage point from 4.1 percent to 3.5 percent; and the unemployment rate in Kauai County decreased 0.4 of a percentage point from 3.5 percent to 3.1 percent.

In the second quarter of 2017, Honolulu gained 5,900 or 1.2 percent of non-agricultural wage and salary jobs over the same quarter of 2016. Retail Trade added the most jobs (2,300 jobs), followed by Food Services & Drinking Places (1,700 jobs), Accommodation (900 jobs), Professional & Business Services (900 jobs), and Educational Services (700 jobs). The Government sector added 600 jobs. The largest private sector job losses occurred in Natural Resources, Mining, and Construction (600 jobs lost), followed by Health Care & Social Assistance (500 jobs lost), Manufacturing (400 jobs lost), and Wholesale Trade (400 jobs lost).

In the second quarter of 2017, Hawaii County added 800 non-agricultural wage and salary jobs or 1.2 percent, over the same quarter of 2016. Food Services and Drinking Places added the most jobs (600 jobs), followed by Retail Trade (300 jobs), and Transportation, Warehousing, and Utility (200 jobs). The largest private sector job losses occurred in Arts, Entertainment & Recreation (200 jobs lost), and

Natural Resources, Mining, and Construction (200 jobs lost). The Government sector jobs remained the same in the quarter.

Maui County saw a net gain of 1,900 jobs or a 2.6 percent increase in the second quarter of 2017 over the same quarter of 2016. Jobs increased the most in Arts, Entertainment & Recreation (700 jobs), followed by Natural Resources, Mining, and Construction (400 jobs). The largest private sector job losses occurred in the Manufacturing sector (100 jobs lost). Government added 200 jobs in the quarter.

In the second quarter of 2017, Kauai County gained 200 wage and salary jobs or 0.7 percent from the same quarter of 2016. Food Services and Drinking Places added the most (300 jobs) in the quarter, followed by Accommodation (200 jobs), and Retail Trade (100 jobs). The largest private sector job losses occurred in Arts, Entertainment and Recreation (300 jobs lost), followed by Wholesale Trade (100 jobs lost). Government jobs were unchanged in the quarter.

In the second quarter of 2017, both visitor arrivals by air and visitor expenditures increased in all counties. Visitor arrivals by air increased 4.1 percent in Honolulu, 5.3 percent in Maui, 15.0 percent in Hawaii County, and 9.3 percent in Kauai. Visitor expenditures increased 3.4 percent in Honolulu, 16.6 percent in Hawaii County, 12.7 percent in Kauai, and 6.7 percent in Maui compared to the same quarter of 2016.

In the second quarter of 2017, private building permits decreased in all counties, except Maui. Honolulu decreased \$50.4 million or 8.3 percent, Hawaii County decreased \$111.2 million or 51.4 percent, Kauai County (only residential available) decreased \$14.1 million or 33.3 percent; only Maui County increased \$36.6 million or 39.1 percent from the same quarter of the previous year.

**Table 2. 2017 QUARTERLY ECONOMIC INDICATORS:  
CITY AND COUNTY OF HONOLULU**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2016	2017	% CHANGE YEAR AGO	2016	2017	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	471,650	478,700	1.5	471,450	480,050	1.8
Civilian employed	457,550	465,850	1.8	457,700	467,350	2.1
Civilian unemployed	14,050	12,850	-8.5	13,700	12,700	-7.3
Unemployment rate, NSA (%) 1/ 2/	3.0	2.7	-0.3	2.9	2.7	-0.2
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	474,300	480,200	1.2	473,700	478,600	1.0
Nat. Resources, Mining, Constr.	28,100	27,500	-2.1	28,100	27,400	-2.5
Manufacturing	11,300	10,900	-3.5	11,300	10,900	-3.5
Wholesale Trade	14,000	13,600	-2.9	14,000	13,600	-2.9
Retail Trade	46,700	49,000	4.9	47,200	48,700	3.2
Transp., Warehousing, Util.	22,500	22,900	1.8	22,400	22,700	1.3
Information	7,200	7,600	5.6	7,100	7,700	8.5
Financial Activities	21,500	21,300	-0.9	21,500	21,300	-0.9
Professional & Business Services	67,000	67,900	1.3	67,100	67,800	1.0
Educational Services	12,400	13,100	5.6	12,600	13,100	4.0
Health Care & Social Assistance	52,800	52,300	-0.9	52,600	52,100	-1.0
Arts, Entertainment & Recreation	7,300	7,400	1.4	7,200	7,400	2.8
Accommodation	17,800	18,700	5.1	17,600	18,500	5.1
Food Services & Drinking Places	44,700	46,400	3.8	44,600	46,300	3.8
Other Services	21,200	21,100	-0.5	21,100	21,000	-0.5
Government	99,800	100,400	0.6	99,500	100,100	0.6
Federal	30,400	30,500	0.3	30,300	30,500	0.7
State	57,200	57,700	0.9	57,000	57,500	0.9
Local	12,200	12,200	0.0	12,200	12,100	-0.8
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	680,144	(NA)	(NA)	1,373,866	(NA)	(NA)
Income-individual	519,723	(NA)	(NA)	961,592	(NA)	(NA)
Declaration estimated taxes	197,984	(NA)	(NA)	298,944	(NA)	(NA)
Payment with returns	90,548	(NA)	(NA)	104,293	(NA)	(NA)
Withholding tax on wages	406,384	(NA)	(NA)	824,950	(NA)	(NA)
Refunds	-175,193	(NA)	(NA)	(266,596)	(NA)	(NA)
Transient accommodations tax	87,573	(NA)	(NA)	184,326	(NA)	(NA)
Honolulu County Surcharge 3/	61,793	(NA)	(NA)	128,829	(NA)	(NA)
Private Building Permits (\$1,000)	607,763	557,380	-8.3	949,249	1,185,311	24.9
Residential	212,887	189,337	-11.1	312,651	524,906	67.9
Commercial & industrial	28,281	99,472	251.7	36,741	143,370	290.2
Additions & alterations	366,596	268,570	-26.7	599,856	517,035	-13.8
Visitor Days - by air	9,147,197	9,410,547	2.9	18,190,189	18,766,778	3.2
Domestic visitor days - by air	5,431,961	5,519,181	1.6	10,554,385	10,532,040	-0.2
International visitor days - by air	3,715,237	3,891,366	4.7	7,635,804	8,234,738	7.8
Visitor arrivals by air - by air	1,355,401	1,411,087	4.1	2,654,812	2,742,652	3.3
Domestic flight visitors - by air	761,484	787,140	3.4	1,442,957	1,472,488	2.0
International flight visitors - by air	593,917	623,947	5.1	1,211,856	1,270,164	4.8
Visitor expenditures - by air (\$1,000)	1,764,507	1,825,129	3.4	3,467,093	3,687,698	6.4
Hotel occupancy rates 2/	83.4	(NA)	(NA)	83.6	82.7	-0.9

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.

8/10/2017



**Table 3. 2017 QUARTERLY ECONOMIC INDICATORS: HAWAII COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2016	2017	% CHANGE YEAR AGO	2016	2017	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	90,600	92,050	1.6	90,000	91,750	1.9
Civilian employed	86,850	88,850	2.3	86,450	88,650	2.5
Civilian unemployed	3,750	3,200	-14.7	3,550	3,100	-12.7
Unemployment rate, NSA (%) 1/ 2/	4.1	3.5	-0.6	4.0	3.4	-0.6
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	66,400	67,200	1.2	66,500	67,100	0.9
Nat. Resources, Mining, Constr.	4,100	3,900	-4.9	4,100	3,900	-4.9
Manufacturing	1,100	1,200	9.1	1,100	1,300	18.2
Wholesale Trade	1,700	1,700	0.0	1,700	1,700	0.0
Retail Trade	9,000	9,300	3.3	9,100	9,300	2.2
Transp., Warehousing, Util.	3,100	3,300	6.5	3,200	3,300	3.1
Information	700	700	0.0	700	600	-14.3
Financial Activities	2,500	2,500	0.0	2,500	2,500	0.0
Professional & Business Services	6,200	6,200	0.0	6,300	6,200	-1.6
Educational Services	1,300	1,400	7.7	1,300	1,300	0.0
Health Care & Social Assistance	7,200	7,300	1.4	7,300	7,200	-1.4
Arts, Entertainment & Recreation	1,300	1,100	-15.4	1,300	1,100	-15.4
Accommodation	6,200	6,200	0.0	6,200	6,200	0.0
Food Services & Drinking Places	6,600	7,200	9.1	6,600	7,200	9.1
Other Services	2,000	2,000	0.0	2,000	2,100	5.0
Government	13,200	13,200	0.0	13,200	13,200	0.0
Federal	1,300	1,300	0.0	1,300	1,300	0.0
State	9,200	9,100	-1.1	9,200	9,100	-1.1
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)	48,443	(NA)	(NA)	98,484	(NA)	(NA)
Income-individual	35,518	(NA)	(NA)	58,821	(NA)	(NA)
Declaration estimated taxes	18,404	(NA)	(NA)	29,994	(NA)	(NA)
Payment with returns	15,737	(NA)	(NA)	18,827	(NA)	(NA)
Withholding tax on wages	22,400	(NA)	(NA)	43,435	(NA)	(NA)
Refunds	-21,023	(NA)	(NA)	-33,436	(NA)	(NA)
Transient accommodations tax	8,160	(NA)	(NA)	18,474	(NA)	(NA)
Honolulu County Surcharge 3/	221	(NA)	(NA)	451	(NA)	(NA)
Private Building Permits (\$1,000)	216,414	105,175	-51.4	306,520	228,061	-25.6
Residential	129,811	62,541	-51.8	184,838	144,644	-21.7
Commercial & industrial	19,817	13,394	-32.4	26,089	25,792	-1.1
Additions & alterations	66,785	29,240	-56.2	95,592	57,625	-39.7
Visitor Days - by air	2,602,287	2,987,072	14.8	5,882,110	6,493,827	10.4
Domestic visitor days - by air	2,270,019	2,537,910	11.8	4,932,771	5,414,004	9.8
International visitor days - by air	332,269	449,162	35.2	949,340	1,079,824	13.7
Visitor arrivals by air - by air	372,870	428,738	15.0	768,143	868,147	13.0
Domestic flight visitors - by air	293,049	327,595	11.8	585,070	649,093	10.9
International flight visitors - by air	79,821	101,142	26.7	183,073	219,054	19.7
Visitor expenditures - by air (\$1,000)	464,443	541,496	16.6	1,028,037	1,221,665	18.8
Hotel occupancy rates 2/	64.4	(NA)	(NA)	69.4	75.4	6.0

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.

8/10/2017

**Table 4. 2017 QUARTERLY ECONOMIC INDICATORS: MAUI COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2016	2017	% CHANGE YEAR AGO	2016	2017	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	85,300	87,600	2.7	85,150	87,350	2.6
Civilian employed	82,500	84,850	2.8	82,350	84,600	2.7
Civilian unemployed	2,800	2,750	-1.8	2,800	2,750	-1.8
Unemployment rate, NSA (%) 1/ 2/	3.3	3.1	-0.2	3.3	3.1	-0.2
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	74,400	76,300	2.6	74,300	75,800	2.0
Nat. Resources, Mining, Constr.	3,800	4,200	10.5	3,800	4,100	7.9
Manufacturing	1,100	1,000	-9.1	1,200	1,000	-16.7
Wholesale Trade	1,500	1,500	0.0	1,500	1,500	0.0
Retail Trade	9,700	9,800	1.0	9,800	9,800	0.0
Transp., Warehousing, Util.	4,100	4,200	2.4	4,100	4,200	2.4
Information	600	600	0.0	600	600	0.0
Financial Activities	3,100	3,100	0.0	3,000	3,100	3.3
Professional & Business Services	7,000	7,200	2.9	7,000	7,200	2.9
Educational Services	1,100	1,200	9.1	1,100	1,200	9.1
Health Care & Social Assistance	5,500	5,600	1.8	5,500	5,600	1.8
Arts, Entertainment & Recreation	2,100	2,800	33.3	2,100	2,700	28.6
Accommodation	12,100	12,100	0.0	12,100	11,900	-1.7
Food Services & Drinking Places	9,800	9,900	1.0	9,800	9,900	1.0
Other Services	3,100	3,200	3.2	3,100	3,200	3.2
Government	9,700	9,900	2.1	9,700	9,900	2.1
Federal	800	900	12.5	800	900	12.5
State	6,200	6,300	1.6	6,300	6,300	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)	54,036	(NA)	(NA)	108,538	(NA)	(NA)
Income-individual	31,468	(NA)	(NA)	51,819	(NA)	(NA)
Declaration estimated taxes	18,548	(NA)	(NA)	25,774	(NA)	(NA)
Payment with returns	13,928	(NA)	(NA)	18,066	(NA)	(NA)
Withholding tax on wages	21,442	(NA)	(NA)	42,289	(NA)	(NA)
Refunds	-22,450	(NA)	(NA)	(34,309)	(NA)	(NA)
Transient accommodations tax	9,880	(NA)	(NA)	20,423	(NA)	(NA)
Honolulu County Surcharge 3/	416	(NA)	(NA)	785	(NA)	(NA)
Private Building Permits (\$1,000)	93,564	130,186	39.1	185,683	269,684	45.2
Residential	44,496	79,229	78.1	90,914	139,750	53.7
Commercial & industrial	27,472	18,511	-32.6	42,922	63,621	48.2
Additions & alterations	21,596	32,446	50.2	51,847	66,314	27.9
Visitor Days - by air	5,208,675	5,501,803	5.6	11,147,338	11,402,860	2.3
Domestic visitor days - by air	4,597,572	4,816,391	4.8	9,217,671	9,464,685	2.7
International visitor days - by air	611,103	685,412	12.2	1,929,667	1,938,175	0.4
Visitor arrivals by air - by air	673,817	709,801	5.3	1,339,156	1,381,472	3.2
Domestic flight visitors - by air	572,464	602,829	5.3	1,087,916	1,126,958	3.6
International flight visitors - by air	101,354	106,973	5.5	251,239	254,514	1.3
Visitor expenditures - by air (\$1,000)	1,074,984	1,147,393	6.7	2,355,163	2,475,545	5.1
Hotel occupancy rates 2/	75.3	(NA)	(NA)	77.0	77.7	0.7

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. 2017 QUARTERLY ECONOMIC INDICATORS: KAUAI COUNTY**

SERIES	2nd QUARTER			YEAR-TO-DATE		
	2016	2017	% CHANGE YEAR AGO	2016	2017	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	35,650	36,150	1.4	35,400	36,000	1.7
Civilian employed	34,400	35,000	1.7	34,150	34,900	2.2
Civilian unemployed	1,250	1,100	-12.0	1,250	1,100	-12.0
Unemployment rate, NSA (%) 1/ 2/	3.5	3.1	-0.4	3.5	3.0	-0.5
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	30,400	30,600	0.7	30,300	30,400	0.3
Nat. Resources, Mining, Constr.	1,700	1,700	0.0	1,700	1,700	0.0
Manufacturing	400	400	0.0	400	400	0.0
Wholesale Trade	600	500	-16.7	600	500	-16.7
Retail Trade	3,900	4,000	2.6	3,900	4,000	2.6
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	1,200	1,200	0.0	1,200	1,200	0.0
Professional & Business Services	2,800	2,800	0.0	2,800	2,700	-3.6
Educational Services	200	200	0.0	200	200	0.0
Health Care & Social Assistance	2,700	2,700	0.0	2,700	2,700	0.0
Arts, Entertainment & Recreation	1,200	900	-25.0	1,200	1,000	-16.7
Accommodation	4,200	4,400	4.8	4,200	4,300	2.4
Food Services & Drinking Places	4,200	4,500	7.1	4,200	4,500	7.1
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)	19,692	(NA)	(NA)	39,742	(NA)	(NA)
Income-individual	15,256	(NA)	(NA)	25,731	(NA)	(NA)
Declaration estimated taxes	9,619	(NA)	(NA)	14,154	(NA)	(NA)
Payment with returns	5,934	(NA)	(NA)	7,221	(NA)	(NA)
Withholding tax on wages	9,283	(NA)	(NA)	18,173	(NA)	(NA)
Refunds	-9,580	(NA)	(NA)	(13,816)	(NA)	(NA)
Transient accommodations tax	5,996	(NA)	(NA)	12,178	(NA)	(NA)
Honolulu County Surcharge 3/	137	(NA)	(NA)	244	(NA)	(NA)
Private Building Permits (\$1,000)	42,409	28,294	-33.3	64,265	57,485	-10.5
Residential	42,409	28,294	-33.3	64,265	57,485	-10.5
Commercial & industrial	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Additions & alterations	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Visitor Days - by air	2,234,283	2,405,156	7.6	4,576,388	4,797,040	4.8
Domestic visitor days - by air	2,088,435	2,249,924	7.7	4,116,580	4,360,963	5.9
International visitor days - by air	145,848	155,232	6.4	459,807	436,077	-5.2
Visitor arrivals by air - by air	302,298	330,304	9.3	582,655	626,409	7.5
Domestic flight visitors - by air	272,304	294,400	8.1	510,149	547,857	7.4
International flight visitors - by air	29,994	35,905	19.7	72,506	78,552	8.3
Visitor expenditures - by air (\$1,000)	405,527	457,119	12.7	818,008	954,142	16.6
Hotel occupancy rates 2/	68.9	(NA)	(NA)	72.9	77.7	4.8

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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## A. LABOR FORCE AND JOBS

Hawaii's labor market conditions continued to improve in the second quarter of 2017. Since the civilian labor force increased less than the civilian employment, the civilian unemployment rate decreased 0.3 of a percentage point in the quarter. For the 27<sup>th</sup> consecutive quarter-over-quarter, civilian non-agricultural wage and salary jobs increased.

In the second quarter of 2017, the civilian labor force averaged 694,450 people, an increase of 11,300 people or 1.7 percent from the same quarter of 2016 (Table A-1). In the first half of 2017, the civilian labor force increased 13,125 people or 1.9 percent from the same period of the previous year.

Civilian employment totaled 674,500 people in the second quarter of 2017, an increase of 13,250 people or 2.0 percent compared to the same quarter of 2016 (Table A-2). This is the 19<sup>th</sup> quarter-over-quarter increase. In the first half of 2017, average civilian employment increased 14,825 people or 2.2 percent from the same period of the previous year.

In the second quarter of 2017, the number of civilian unemployed averaged 19,900, a decrease of 2,000 people or 9.1 percent from the same quarter of 2016 (Table A-3). In the first half of 2017, the number of unemployed decreased 1,750 people or 8.2 percent from the same period of the previous year.

The unemployment rate (not seasonally adjusted) decreased from 3.2 percent in the second quarter of 2016 to 2.9 percent in the second quarter of 2017 (Table A-4). In the first half of 2017, the unemployment rate decreased 0.3 of a percentage point from the same period of the previous year.

In the second quarter of 2017, Hawaii's non-agricultural wage and salary jobs averaged 654,400 jobs, an increase of 8,800 jobs or 1.4 percent from the same quarter of 2016 (Table A-6). This is the 27<sup>th</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 2017, average non-agricultural wage and salary jobs increased 1.1 percent or 7,200 jobs from the same period of the previous year.

The job increase in the second quarter of 2017 was due to job increases in both the private sector and government sector. In this quarter, the private sector added about 8,000 non-agricultural jobs compared to the second quarter of 2016. Jobs increased the most in Food Services and Drinking Places, adding 2,800 jobs or 4.3 percent (Table A-19). This was followed by Retail Trade, adding 2,700 jobs or 3.7 percent (Table A-10), Accommodation, adding 1,000 jobs or 2.5 percent (Table A-18), Educational Services, adding 900 jobs or 6.0 percent (Table A-15), and Professional & Business Services, adding 900 jobs or 1.1 percent (Table A-14) in the quarter.

For the private sector, in the second quarter of 2017, jobs lost the most in Health Care & Social Assistance, lost 500 jobs or 0.7 percent (Table A-16); followed by Manufacturing, lost 400 jobs or 2.9 percent (Table A-8), Wholesale Trade, lost 300 jobs or 1.7 percent (Table A-9) and Natural Resources, Mining and Construction, lost 300 jobs or 0.8 percent (Table A-7) in the quarter.

The three levels of government added 800 jobs or 0.6 percent (Table A-21) in the second quarter of 2017 compared to the same quarter of 2016. The Federal Government added 200 jobs or 0.6 percent (Table A-22); State Government added 700 jobs or 0.9 percent (Table A-23), while Local Government lost 100 jobs or 0.5 percent (Table A-24), compared to the second quarter of 2016.

The initial liable claims for unemployment, which measures the number of people who lost jobs in Hawaii and moved to other states, decreased 8.9 percent in the second quarter of 2017 compared to the same quarter of 2016 (Table A-27). In the first half of 2017, the initial liable claims for unemployment decreased 3.8 percent from the same period of the previous year.

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

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
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/	633,000	637,200	634,600	649,700	638,600
2016 2/	644,000	645,600	644,100	656,900	647,600
2017	649,600	654,400	(NA)	Year-to-Date	652,000
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	1.7	1.8	2.1	1.8
2016 2/	1.7	1.3	1.5	1.1	1.4
2017	0.9	1.4	(NA)	Year-to-Date	1.1

NA Not available.

1/ Data rounded to nearest 100 for 1990-2000 and 2010-2017, and to 50 for 2001-2009.

2/ 2013-2016 data benchmarked by DLIR in March 2017.

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 (Table B-1 to B-3) show, in the first quarter of 2017, total annualized nominal GDP increased \$2,301 million or 2.8 percent, from the first quarter of 2016. In 2016, total annualized nominal GDP increased \$3,317 million or 4.1 percent from the previous year. In the first quarter of 2017, total annualized real GDP (in chained 2009 dollar) increased \$636 million or 0.9 percent from the first quarter of 2016. In 2016, total annualized real GDP increased \$1,538 million or 2.1 percent from the previous year.

Hawaii's total personal income increased during the first quarter of 2017 over the same quarter of 2016; 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, personal current transfer receipts, supplements to wages and salaries, and proprietors' income (Table B-4).

In the first quarter of 2017, total nominal annualized personal income (i.e. not adjusted for inflation) increased \$2,149.5 million or 3.0 percent over that of 2016 (Table B-5). In 2016, total annualized personal income was \$72,099.6 million, an increase of 4.3 percent from the previous year.

In the first quarter of 2017, wages and salaries increased \$858.9 million or 2.4 percent over that of 2016. This was the 27<sup>th</sup> consecutive quarterly year-over-year increase since the third quarter of 2010. In 2016, wages and salaries increased 4.5 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 \$234.6 million or 2.2 percent in the first quarter of 2017, from the same quarter of 2016 (Table B-7). In 2016, supplements to wages and salaries increased 4.4 percent from the previous year.

Proprietors' income increased \$224.6 million or 4.4 percent in the first quarter of 2017, over that of 2016 (Table B-8). In 2016, proprietors' income was up 5.2 percent from the previous year.

Dividends, interest, and rent increased \$542.8 million or 3.8 percent in the first quarter of 2017, from the same quarter of 2016. In 2016, income in this category was up 2.5 percent from the previous year (Table B-9).

The annualized personal current transfer receipts grew by \$442.7 million or 3.9 percent in the first quarter of 2017 from the same quarter of 2016 (Table B-10). In 2016, personal current transfer receipts increased 5.3 percent from the previous year.

Contributions to government social insurance, which is subtracted from total personal income, increased \$154.0 million or 2.6 percent in the first quarter of 2017, compared to the first quarter of 2016. In 2016, contributions to government social insurance increased 4.1 percent from the previous year (Table B-11).

In the first quarter of 2017, total non-farm private sector annualized earnings increased \$1,009.3 million or 2.9 percent from the first quarter of 2016. In dollar terms, the largest increase occurred in accommodation and food services; followed by administrative and waste management services, professional, scientific & technical services, management of companies and enterprises, and retail trade. During the first quarter of 2017, total government earnings increased \$317.7 million or 2.0 percent from the same quarter of 2016. Earnings from the federal government increased \$187.0 million or 2.2 percent. Earnings from the state and local governments increased \$130.7 million or 1.8 percent in the quarter.

In the first half of 2017, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 2.5 percent from the same period in 2016. (Table B-12). This is 0.3 of a percentage point above 2.2 percent increase for the U.S. average CPI-U and is higher than the 2016 Honolulu CPI-U increase of 2.0 percent from the previous year. In the first half of 2017, the Honolulu CPI-U increased the most in Apparel (5.8 percent), followed by Housing (4.1 percent), Transportation (2.9 percent), Medical Care (1.5 percent), Other Goods and Services (1.3 percent), Food and Beverages (1.0 percent), and Recreation (1.0 percent). The price of Education and Communication decreased 3.6 percent compared to the first half of 2016.

**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 2016	Fourth Quarter 2016	First Quarter 2017	AnnAver 2015	AnnAver 2016	YTD 2016	YTD 2017	Percentage change			
								First Quarter 2017		Ann Aver	YTD 2017
								First Quarter 2016	Fourth Quarter 2016	2016 from 2015	YTD 2016
PERSONAL INCOME	71,164,709	72,732,936	73,314,196	69,129,101	72,099,591	71,164,709	73,314,196	3.0	0.8	4.3	3.0
Earnings By Place of Work	51,268,536	52,128,637	52,586,605	49,621,545	51,891,730	51,268,536	52,586,605	2.6	0.9	4.6	2.6
Wages and salaries	35,662,006	36,245,752	36,520,863	34,578,403	36,141,064	35,662,006	36,520,863	2.4	0.8	4.5	2.4
Supplements to wages and salaries	10,453,636	10,598,230	10,688,233	10,083,554	10,531,946	10,453,636	10,688,233	2.2	0.8	4.4	2.2
Emp'ee contrib. for emp'ee pension & ins. funds	7,595,951	7,722,907	7,768,899	7,294,712	7,649,725	7,595,951	7,768,899	2.3	0.6	4.9	2.3
Employer contributions for gov't social ins.	2,857,685	2,875,323	2,919,334	2,788,842	2,882,221	2,857,685	2,919,334	2.2	1.5	3.3	2.2
Proprietors' income	5,152,894	5,284,655	5,377,509	4,959,588	5,218,720	5,152,894	5,377,509	4.4	1.8	5.2	4.4
Farm proprietors' income	-5,056	-19,648	-22,064	-10,956	-10,005	-5,056	-22,064	(2/)	(2/)	(2/)	(2/)
Nonfarm proprietors' income	5,157,950	5,304,303	5,399,573	4,970,544	5,228,725	5,157,950	5,399,573	4.7	1.8	5.2	4.7
Dividends, interest, and rent	14,453,375	14,836,391	14,996,149	14,284,393	14,634,926	14,453,375	14,996,149	3.8	1.1	2.5	3.8
plus: Personal current transfer receipts	11,270,092	11,640,304	11,712,765	10,871,717	11,450,579	11,270,092	11,712,765	3.9	0.6	5.3	3.9
Social Security benefits	3,858,544	3,950,181	3,997,994	3,790,203	3,906,285	3,858,544	3,997,994	3.6	1.2	3.1	3.6
Medicare benefits	2,270,764	2,351,764	2,377,409	2,191,778	2,313,614	2,270,764	2,377,409	4.7	1.1	5.6	4.7
Medicaid	2,201,787	2,338,077	2,327,971	2,068,994	2,266,230	2,201,787	2,327,971	5.7	-0.4	9.5	5.7
State unempl. ins. comp.	109,521	139,479	148,203	136,466	123,425	109,521	148,203	35.3	6.3	-9.6	35.3
All other personal current transfer receipts	2,829,476	2,860,803	2,861,188	2,684,276	2,841,025	2,829,476	2,861,188	1.1	0.0	5.8	1.1
Less: Contributions for gov't social insurance	5,827,294	5,872,396	5,981,323	5,648,554	5,877,643	5,827,294	5,981,323	2.6	1.9	4.1	2.6
Personal contributions for gov't social ins.	2,969,609	2,997,073	3,061,989	2,859,712	2,995,422	2,969,609	3,061,989	3.1	2.2	4.7	3.1
Employer contributions for gov't social ins.	2,857,685	2,875,323	2,919,334	2,788,842	2,882,221	2,857,685	2,919,334	2.2	1.5	3.3	2.2
Earnings By Industry	51,268,536	52,128,637	52,586,605	49,621,545	51,891,730	51,268,536	52,586,605	2.6	0.9	4.6	2.6
Farm Earnings	293,327	284,710	284,384	283,436	291,321	293,327	284,384	-3.0	-0.1	2.8	-3.0
Nonfarm Earnings	50,975,209	51,843,927	52,302,221	49,338,109	51,600,408	50,975,209	52,302,221	2.6	0.9	4.6	2.6
Private earnings	35,189,449	35,956,527	36,198,754	34,027,266	35,851,676	35,189,449	36,198,754	2.9	0.7	5.4	2.9
Forestry, fishing, & related activities	77,553	75,805	76,743	75,068	77,488	77,553	76,743	-1.0	1.2	3.2	-1.0
Mining	38,268	29,566	30,201	39,430	33,559	38,268	30,201	-21.1	2.1	-14.9	-21.1
Utilities	526,032	575,966	574,504	555,498	548,516	526,032	574,504	9.2	-0.3	-1.3	9.2
Construction	4,148,623	4,048,902	4,101,099	3,771,525	4,168,709	4,148,623	4,101,099	-1.1	1.3	10.5	-1.1
Manufacturing	921,984	946,951	943,869	890,944	934,836	921,984	943,869	2.4	-0.3	4.9	2.4
Durable goods	316,160	306,543	308,100	294,295	312,765	316,160	308,100	-2.5	0.5	6.3	-2.5
Nondurable goods	605,824	640,408	635,769	596,649	622,071	605,824	635,769	4.9	-0.7	4.3	4.9
Wholesale trade	1,348,036	1,397,251	1,380,790	1,340,566	1,379,395	1,348,036	1,380,790	2.4	-1.2	2.9	2.4
Retail trade	3,081,178	3,137,738	3,167,186	3,022,083	3,131,905	3,081,178	3,167,186	2.8	0.9	3.6	2.8
Transportation and warehousing	2,140,818	2,123,724	2,121,020	1,955,610	2,120,722	2,140,818	2,121,020	-0.9	-0.1	8.4	-0.9
Information	720,490	758,479	760,825	740,217	742,013	720,490	760,825	5.6	0.3	0.2	5.6
Finance and insurance	1,469,593	1,574,920	1,554,593	1,442,799	1,529,576	1,469,593	1,554,593	5.8	-1.3	6.0	5.8
Real estate and rental and leasing	1,608,733	1,646,957	1,665,293	1,539,024	1,634,939	1,608,733	1,665,293	3.5	1.1	6.2	3.5
Prof., scientific, & technical services	2,801,549	2,918,799	2,947,276	2,790,697	2,868,600	2,801,549	2,947,276	5.2	1.0	2.8	5.2
Management of companies and enterprises	898,716	982,063	990,043	904,071	963,729	898,716	990,043	10.2	0.8	6.6	10.2
Admin. & waste management services	2,363,981	2,483,207	2,532,113	2,323,385	2,433,112	2,363,981	2,532,113	7.1	2.0	4.7	7.1
Educational services	769,452	727,888	740,743	759,228	763,366	769,452	740,743	-3.7	1.8	0.5	-3.7
Health care and social assistance	5,044,392	5,001,367	4,997,240	4,878,911	5,129,199	5,044,392	4,997,240	-0.9	-0.1	5.1	-0.9
Arts, entertainment, and recreation	566,621	596,693	607,180	563,900	572,887	566,621	607,180	7.2	1.8	1.6	7.2
Accommodation and food services	4,622,036	4,853,060	4,920,409	4,459,282	4,753,896	4,622,036	4,920,409	6.5	1.4	6.6	6.5
Other services, except public admin.	2,041,394	2,077,191	2,087,627	1,975,028	2,065,229	2,041,394	2,087,627	2.3	0.5	4.6	2.3
Government and government enterprises	15,785,760	15,887,400	16,103,467	15,310,843	15,748,733	15,785,760	16,103,467	2.0	1.4	2.9	2.0
Federal	8,683,055	8,708,658	8,870,033	8,542,500	8,698,178	8,683,055	8,870,033	2.2	1.9	1.8	2.2
Federal, civilian	3,651,483	3,769,573	3,852,183	3,554,137	3,711,992	3,651,483	3,852,183	5.5	2.2	4.4	5.5
Military	5,031,572	4,939,085	5,017,850	4,988,363	4,986,185	5,031,572	5,017,850	-0.3	1.6	0.0	-0.3
State and local	7,102,705	7,178,742	7,233,434	6,768,343	7,050,555	7,102,705	7,233,434	1.8	0.8	4.2	1.8

1/ 2016Q1 to 2016Q4 revised from previous QSER.

2/ Percentage change involving negative values not meaningful.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, State Quarterly Personal Income, June 27, 2017 <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1&isuri=1&acrdn=3>> accessed June 27, 2017.

**Table B-9. HONOLULU and U.S. CONSUMER PRICE INDEX,  
ALL URBAN CONSUMERS (CPI-U)**  
[1982-84=100. Data are not seasonally adjusted]

Period	U.S.	Honolulu								
		All Items	Food & Beverages	Housing	Apparel	Transportation	Medical Care	Recreation 1/	Educ. & Comm. 1/	Other Goods & Services
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	(NA)	(NA)	160.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	(NA)	(NA)	175.7
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	(NA)	(NA)	189.0
1993	144.5	160.1	152.9	166.5	116.5	150.5	197.4	(NA)	(NA)	200.1
1994	148.2	164.5	153.4	171.6	118.7	156.4	206.0	(NA)	(NA)	209.6
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	(NA)	(NA)	216.8
1996	156.9	170.7	156.6	176.8	118.5	167.0	215.0	(NA)	(NA)	226.5
1997	160.5	171.9	159.2	177.1	117.3	166.2	217.3	(NA)	(NA)	239.0
1998	163.0	171.5	159.1	176.0	112.2	162.5	226.1	100.8	99.1	256.1
1999	166.6	173.3	162.9	175.8	105.4	162.2	231.3	101.9	104.5	275.6
2000	172.2	176.3	164.8	177.9	103.5	169.6	239.8	102.8	106.5	279.7
2001	177.1	178.4	169.5	179.1	101.0	174.5	2/	101.6	104.6	289.3
2002	179.9	180.3	171.9	181.2	102.6	170.9	2/	99.5	107.8	302.2
2003	184.0	184.5	174.9	186.2	98.5	176.4	2/	100.4	112.5	307.6
2004	188.9	190.6	180.2	194.3	101.2	182.4	275.9	102.3	113.5	312.4
2005	195.3	197.8	185.9	205.2	102.5	191.6	2/	97.8	114.3	321.0
2006	201.6	209.4	194.2	222.5	104.4	202.1	2/	101.1	114.0	332.1
2007	207.3	219.504	204.942	238.428	104.145	205.027	2/	102.572	113.967	347.499
2008	215.3	228.861	216.625	248.700	105.277	213.998	317.955	105.290	117.118	365.441
2009	214.5	230.048	224.317	249.735	112.811	200.296	321.599	105.239	122.843	395.186
2010	218.1	234.869	224.774	251.968	116.423	214.411	320.153	107.484	128.483	415.526
2011	224.9	243.622	232.656	260.606	118.394	229.223	324.180	110.473	132.248	433.536
2012	229.6	249.474	242.786	265.473	121.481	231.275	334.441	113.961	137.276	440.428
2013	233.0	253.924	250.922	269.885	119.011	233.133	345.184	116.818	139.423	447.178
2014	236.7	257.589	256.023	273.499	111.141	236.373	351.763	119.586	143.488	457.958
2015	237.0	260.165	267.041	276.047	108.893	216.756	378.876	121.840	147.869	478.634
2016	240.0	265.283	272.051	283.565	111.736	211.645	400.408	124.872	149.785	484.820
1995H1	151.5	166.9	156.5	173.4	118.1	160.0	207.8	(NA)	(NA)	214.4
H2	153.2	169.4	157.1	176.0	116.9	164.9	211.8	(NA)	(NA)	219.2
1996H1	155.8	170.5	156.9	176.8	120.0	166.3	214.9	(NA)	(NA)	220.6
H2	157.9	171.0	156.3	176.8	116.9	167.7	215.0	(NA)	(NA)	232.4
1997H1	159.9	172.1	159.4	177.3	119.8	167.8	215.6	(NA)	(NA)	232.5
H2	161.2	171.8	159.0	177.0	114.8	164.6	219.1	(NA)	(NA)	245.5
1998H1	162.3	172.0	160.0	176.3	116.4	163.2	222.5	101.4	98.9	254.3
H2	163.7	171.0	158.2	175.7	108.0	161.8	229.8	100.3	99.3	258.0
1999H1	165.4	172.7	162.4	175.5	106.0	162.3	231.0	101.3	102.6	273.9
H2	167.8	173.8	163.5	176.0	104.9	162.0	231.5	102.5	106.4	277.3
2000H1	170.8	175.9	165.5	177.3	104.5	167.7	235.9	103.1	107.3	277.5
H2	173.6	176.7	164.1	178.5	102.6	171.5	243.8	102.6	105.6	281.9
2001H1	176.6	178.1	168.3	178.8	99.7	176.0	246.1	102.1	103.5	287.5
H2	177.5	178.7	170.7	179.3	102.3	173.0	2/	101.1	105.8	291.1
2002H1	178.9	180.1	172.3	180.5	106.2	171.7	2/	99.9	106.9	299.1
H2	180.9	180.4	171.6	181.9	99.1	170.1	266.5	99.2	108.7	305.3
2003H1	183.3	183.2	173.7	184.7	99.2	175.2	2/	99.3	111.1	307.0
H2	184.6	185.7	176.0	187.7	97.8	177.7	2/	101.5	113.8	308.2
2004H1	187.6	189.2	179.5	192.2	102.6	180.2	274.8	102.6	113.5	309.6
H2	190.2	191.9	180.9	196.3	99.9	184.6	277.0	102.0	113.6	315.2
2005H1	193.2	195.0	184.7	199.9	104.9	188.2	2/	98.5	115.8	318.6
H2	197.4	200.6	187.1	210.5	100.0	195.1	2/	97.0	112.8	323.3
2006H1	200.6	206.4	191.6	216.9	104.1	201.6	2/	100.9	114.3	329.5
H2	202.6	212.3	196.8	228.0	104.7	202.6	2/	101.3	113.7	334.7
2007H1	205.709	216.620	202.952	233.606	102.648	204.402	2/	102.058	112.887	343.703
H2	208.976	222.388	206.932	243.250	105.642	205.652	309.195	103.087	115.047	351.295
2008H1	214.429	227.334	212.390	246.676	105.917	215.519	317.380	105.600	115.126	361.286
H2	216.177	230.387	220.859	250.725	104.637	212.477	318.531	104.979	119.110	369.596
2009H1	213.139	228.070	224.747	248.658	114.379	191.723	322.104	105.629	120.937	388.461
H2	215.935	232.026	223.887	250.811	111.244	208.870	321.094	104.848	124.749	401.910
2010H1	217.535	233.822	224.627	250.940	116.564	213.842	321.243	106.585	125.888	406.880
H2	218.576	235.916	224.922	252.995	116.281	214.980	319.064	108.382	131.078	424.172
2011H1	223.598	241.902	230.565	258.121	119.380	228.484	321.891	110.544	130.444	435.239
H2	226.280	245.342	234.747	263.092	117.408	229.962	326.468	110.401	134.052	431.834
2012H1	228.850	248.646	241.047	263.954	122.187	233.236	333.781	113.396	135.804	440.182
H2	230.338	250.303	244.524	266.993	120.775	229.315	335.102	114.526	138.748	440.674
2013H1	232.366	253.202	250.337	269.213	119.349	232.743	343.253	116.347	138.251	446.226
H2	233.548	254.646	251.508	270.557	118.673	233.523	347.116	117.289	140.594	448.131
2014H1	236.384	255.989	252.895	271.656	112.261	237.614	348.133	119.313	141.981	450.011
H2	237.088	259.190	259.151	275.343	110.021	235.132	355.393	119.860	144.995	465.906
2015H1	236.265	257.848	263.610	274.380	109.941	217.288	364.754	120.419	146.406	473.733
H2	237.769	262.482	270.472	277.714	107.845	216.223	392.998	123.261	149.332	483.535
2016H1	238.778	264.038	272.390	281.079	110.769	210.717	399.192	124.456	150.105	483.778
H2	241.237	266.528	271.712	286.052	112.703	212.573	401.624	125.288	149.465	485.863
2017H1	244.076	270.738	275.042	292.629	117.145	216.836	405.254	125.662	144.769	489.868

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 14, 2017, and BLS Honolulu CPI News Releases and <<http://www.bls.gov/ro9/cpihono.htm>> accessed July 14, 2017.



**Table B-9. 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
2016	1.3	2.0	1.9	2.7	2.6	-2.4	5.7	2.5	1.3	1.3
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
H2	1.5	1.5	0.5	3.0	4.5	-1.7	2.2	1.6	0.1	0.5
2017H1	2.2	2.5	1.0	4.1	5.8	2.9	1.5	1.0	-3.6	1.3

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 14, 2017, and BLS Honolulu CPI News Releases and <<http://www.bls.gov/ro9/cpihono.htm>> accessed July 14, 2017.

## C. TAX REVENUES

The State general fund tax revenues increased in the second quarter of 2017 compared to the same quarter of 2016.<sup>1</sup> The GET increased the most in the quarter in dollar terms, followed by the Net Individual Income Tax, the Transient Accommodations Tax (TAT), and the Net Corporate Income Tax.

In the second quarter of 2017, total tax collections distributed to the State general fund totaled \$1,694.8 million, an increase of \$29.5 million or 1.8 percent over the same quarter of 2016 (Tables C-1 and C-2). In the first half of 2017, State general fund tax revenues were up \$101.0 million or 3.2 percent over the same period of the previous year.

During the second quarter of 2017, GET revenues (excluding the Honolulu County Surcharge) totaled \$822.2 million, an increase of \$19.9 million or 2.5 percent over the same quarter of 2016 (Table C-3). In the first half of 2017, GET revenues increased \$33.5 million or 2.1 percent from the same period of the previous year.

Compared to the second quarter of 2016, Net Individual Income Tax revenues increased \$14.1 million or 2.3 percent to \$616.0 million in the second quarter of 2017 (Table C-4). In the second quarter of 2017, Declaration of Estimated Taxes decreased \$47.6 million or 19.5 percent (Table C-5), Payments with Returns

decreased \$14.7 million or 11.7 percent (Table C-6), Revenues from Withholding Tax on Wages increased \$5.5 million or 1.2 percent (Table C-7), and Refunds decreased \$71.0 million or 31.1 percent (Table C-8). In the first half of 2017, Net Individual Income Tax collections increased \$74.4 million or 6.8 percent from the same period of the previous year.

Net Corporate Income Tax revenues, which tend to be volatile in nature, increased \$1.7 million or 3.3 percent to \$53.3 million in the second quarter of 2017 compared to the same quarter of 2016 (Table C-9). In the second quarter of 2017, the Declaration of Estimated Taxes decreased \$3.0 million or 5.3 percent (Table C-10), the Payment with Returns decreased \$2.0 million or 25.6 percent (Table C-11), and the Refunds decreased \$6.7 million or 50.7 percent (Table C-12), compared with the same quarter of 2016. In the first half of 2017, Net Corporate Income Tax revenues decreased \$12.9 million or 37.7 percent from the same period of the previous year.

In the second quarter of 2017, Transient Accommodations Tax (TAT) revenues increased \$8.0 million or 7.1 percent compared to the same quarter of 2016 (Table C-13). In the first half of 2017, TAT revenues increased \$23.8 million or 10.1 percent 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	
2016	3,205,733	2,118,219	89,697	6,215,407	
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	1 Qtr.	818,316	495,998	-17,278	1,504,155
	2 Qtr.	802,314	601,965	51,601	1,665,290
	3 Qtr.	801,115	509,507	18,476	1,545,715
	4 Qtr.	783,988	510,748	36,898	1,500,247
2017 3/	1 Qtr.	831,893	556,351	-31,911	1,575,636
	2 Qtr.	822,229	616,031	53,298	1,694,769

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/ Net Indiv. and Corp. Income Tax and Tax Revenues Distrib. to State General Fund 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
2016		2.0	3.1	17.3	3.6
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	1 Qtr.	4.6	6.8	(3/)	4.1
	2 Qtr.	3.7	5.4	535.7	8.9
	3 Qtr.	-3.6	-2.1	-63.1	-3.0
	4 Qtr.	3.9	2.5	327.5	4.8
2017 4/	1 Qtr.	1.7	12.2	84.7	4.8
	2 Qtr.	2.5	2.3	3.3	1.8

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/ Net Indiv. and Corp. Income Tax and Tax Revenues Distrib. to State General Fund 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 2017. Due to longer lengths of stay, the daily visitor census increased slightly more than the increase of visitor arrivals in the quarter. Since visitors spent more on a daily basis during the second quarter of 2017, 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 125,054 or 5.7 percent in the second quarter of 2017, compared to the same quarter of 2016 (Tables D-1 and D-2). The total average daily census was up 12,221 or 5.8 percent in the quarter. In the first half of 2017, total visitor arrivals by air increased 175,647 or 4.0 percent, while the average daily census increased 10,437 or 4.8 percent from the same period of the previous year.

In the second quarter of 2017, total visitor arrivals on domestic flights increased 85,018 or 5.5 percent compared to the same quarter of 2016 (Table D-3). In the first half of 2017, domestic arrivals were up 108,296 or 3.7 percent from the same period of the previous year.

Arrivals on international flights increased 40,036 or 6.1 percent in the second quarter of 2017 compared to the second quarter of 2016 (Table D-4). In the first half of 2017, international arrivals were up 67,351 or 4.8 percent from the same period in the previous year.

In terms of major market areas, from the second quarter of 2016 to the same period of 2017, arrivals from the U.S. West increased 45,719 or 4.8 percent (Table D-5), arrivals from the U.S. East increased 50,236 or 10.6 percent (Table D-6), and arrivals from Japan increased 21,738 or 6.5 percent (Table D-7). In the first half of 2017, arrivals from the U.S. West were up 60,160 or 3.3 percent; arrivals from the U.S. East were up 76,055 or 7.9 percent; and Japanese arrivals were up 47,906 or 6.9 percent from the same period of the previous year.

In the second quarter of 2017, the length of stay per visitor also increased slightly. Due to the longer length of stay, the average total daily visitor census increased more than the growth of visitor arrivals in the quarter. The total average daily visitor census was up 5.8 percent or 12,221 visitors per day in the second quarter of 2017, over the same quarter of 2016 (Table D-8). The domestic average daily census increased 5.1 percent or 8,082 visitors per day (Table D-9), while the international average daily census increased 7.8 percent or 4,140 visitors per day (Table D-10). In the first half of 2017, the domestic average daily census increased 6,116 or 3.9 percent; and the international average daily census increased 4,321 or 7.2 percent from the same period of the previous year.

Nominal visitor expenditures by air totaled \$3,971.1 million in the second quarter of 2017, up 7.1 percent or \$261.7 million from the same quarter of 2016 (Table D-11). In the first half of 2017, visitor expenditures increased \$670.8 million or 8.7 percent compared with the same period in the previous year.

Total airline capacity, as measured by the number of available seats flown to Hawaii, increased 0.5 percent or 15,305 seats (Table D-12) in the second quarter of 2017, domestic seats increased 0.2 percent or 3,432 seats (Table D-13); international seats increased 1.2 percent or 10,345 seats (Table D-14), compared to the same quarter of 2016. In the first half of 2017, the number of total available seats decreased 0.6 percent or 33,841 seats from the same period of the previous year.

In the first quarter of 2017, the statewide hotel occupancy rate averaged 81.2 percent, 0.4 of a percentage point higher than the same quarter of 2016 (Table D-15). Year-to-Date as of the 2nd Quarter was 81.2 percent. In 2016, the statewide hotel occupancy rate averaged 79.2 percent, 0.5 of a percentage point higher than 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
2016 2/	8,832,598	5,964,442	2,868,156	218,189	157,814	60,376
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
2014 1 Qtr.	2,028,633	1,318,882	709,751	217,477	154,902	62,576
2 Qtr.	2,011,759	1,402,026	609,733	198,049	149,363	48,687
3 Qtr.	2,120,639	1,424,360	696,279	204,784	151,815	52,969
4 Qtr.	2,035,311	1,340,791	694,520	204,713	148,289	56,424
2015 1 Qtr.	2,097,862	1,371,980	725,882	224,128	158,420	65,709
2 Qtr.	2,145,806	1,513,399	632,407	208,378	157,721	50,657
3 Qtr.	2,197,037	1,483,636	713,401	212,094	154,700	57,394
4 Qtr.	2,122,312	1,413,124	709,188	211,299	153,335	57,963
2016 1 Qtr.	2,173,346	1,427,864	745,482	226,413	158,609	67,804
2 Qtr.	2,185,900	1,532,744	653,156	210,906	158,110	52,796
3 Qtr.	2,270,033	1,541,806	728,227	218,493	158,615	59,878
4 Qtr.	2,203,318	1,462,027	741,291	216,956	155,933	61,024
2/ 2017 1 Qtr.	2,223,939	1,451,142	772,797	235,066	162,759	72,307
2/ 2 Qtr.	2,310,954	1,617,763	693,192	223,127	166,191	56,936

1/ Staying overnight or longer.

2/ 2017 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
2016 2/	3.1	3.2	3.1	2.0	1.1	4.3
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
2014 1 Qtr.	0.3	-2.7	6.5	0.6	-1.2	5.2
2 Qtr.	1.9	0.2	6.0	1.8	0.6	5.8
3 Qtr.	2.1	2.3	1.7	-0.2	1.2	-3.9
4 Qtr.	5.6	6.7	3.4	4.5	4.6	4.4
2015 1 Qtr.	3.4	4.0	2.3	3.1	2.3	5.0
2 Qtr.	6.7	7.9	3.7	5.2	5.6	4.0
3 Qtr.	3.6	4.2	2.5	3.6	1.9	8.4
4 Qtr.	4.3	5.4	2.1	3.2	3.4	2.7
2016 1 Qtr.	3.6	4.1	2.7	1.0	0.1	3.2
2 Qtr.	1.9	1.3	3.3	1.2	0.2	4.2
3 Qtr.	3.3	3.9	2.1	3.0	2.5	4.3
4 Qtr.	3.8	3.5	4.5	2.7	1.7	5.3
2/ 2017 1 Qtr.	2.3	1.6	3.7	3.8	2.6	6.6
2/ 2 Qtr.	5.7	5.5	6.1	5.8	5.1	7.8

1/ Staying overnight or longer.

2/ 2017 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**

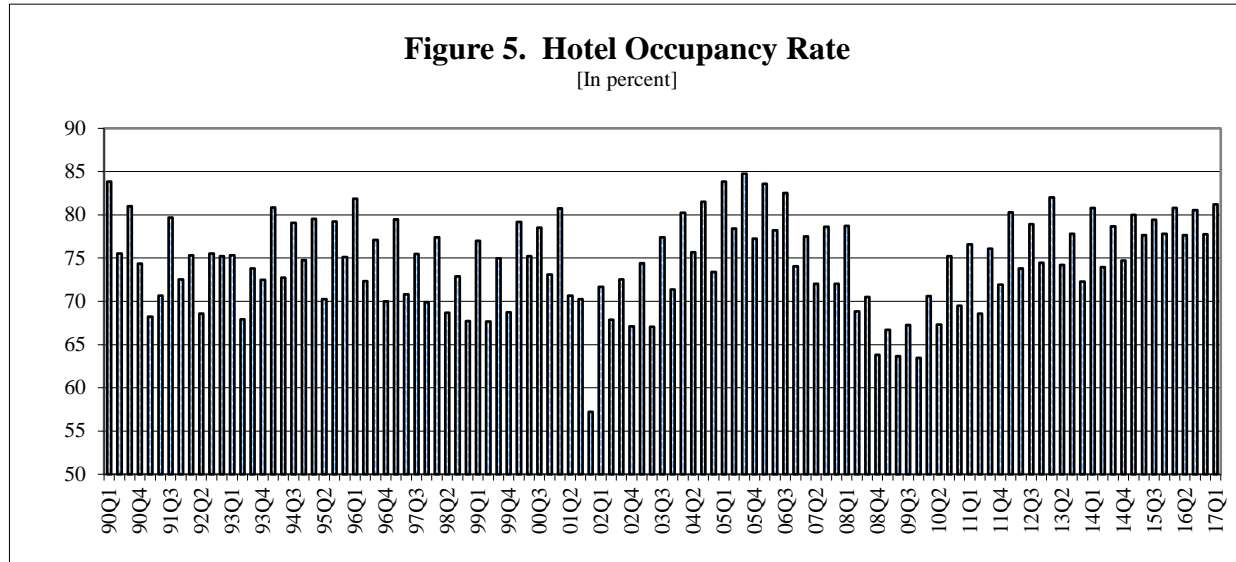
Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
In Percent					
1982	79.0	65.9	70.9	66.7	70.4
1983	75.2	68.1	71.7	66.5	69.7
1984	84.0	75.6	74.6	75.1	76.0
1985	88.1	69.1	75.0	72.5	76.1
1986	87.0	78.8	79.9	76.8	81.7
1987	88.0	77.1	82.1	77.8	81.1
1988	81.7	75.1	81.3	75.1	78.5
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	80.0	77.7	79.4	77.8	78.7
2016 1/	80.8	79.2	80.6	77.8	79.2
2017 1/	81.2	(NA)	(NA)	Year-to-Date Q2	80.1

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. 2016Q1 via 2017Q1.

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 mostly negative in the second quarter of 2017. The private building authorizations, government contracts awarded, State CIP expenditures, and construction jobs all decreased.

Construction has been one of the steady contributors to job growth in Hawaii over the past few years. However, in the second quarter of 2017, the construction sector lost 300 jobs or 0.8 percent, compared with the same quarter of 2016. In the first half of 2017, the construction sector lost 500 jobs or 1.3 percent (Table A-7) from the same period of the previous year. 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 construction job market in the past few years was 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 2017, private building authorizations in the state decreased \$139.1 million or 14.5 percent, compared with the second quarter of 2016 (Table E-8). In the first half of 2017, private building authorizations in the state increased \$234.8 million or 15.6 percent compared with the same period of the previous year.

In the second quarter of 2017, private building authorizations in Honolulu decreased \$50.4 million or 8.3 percent, compared with the second quarter of 2016 (Table E-8). In the first half of 2017, private building authorizations in Honolulu increased \$236.1 million or 24.9 percent, compared with the same period of the previous year.

In the second quarter of 2017, private building authorizations in Hawaii County decreased \$111.2 million or 51.4 percent, compared with the second quarter of 2016 (Table E-8). In the first half of 2017, private building authorizations in Hawaii County decreased \$78.5 million or 25.6 percent, compared with the same period of the previous year.

In the second quarter of 2017, private building authorizations in Maui County increased \$36.6 million or 39.1 percent, compared with the second quarter of 2016 (Table E-8). In the first half of 2017, private building authorizations in Maui County increased \$84.0

million or 45.2 percent compared with the same period of the previous year.

In the second quarter of 2017, private building authorizations (residential only) in Kauai decreased \$14.1 million or 33.3 percent, compared with the second quarter of 2016 (Table E-8). In the first half of 2017, private building authorizations in Kauai decreased \$6.8 million or 10.5 percent compared with the same period of the previous year.

Government contracts awarded decreased \$92.7 million or 28.2 percent in the second quarter of 2017 compared with the same quarter of 2016. In the first half of 2017, government contracts awarded decreased \$54.0 million or 10.7 percent compared with the same period of the previous year (Table E-1). State government CIP expenditures decreased \$152.1 million or 33.7 percent in the second quarter of 2017 (Table E-2). In the first half of 2017, CIP expenditures decreased \$148.0 million or 20.8 percent compared with the same period of the previous year.

The Honolulu Construction Cost Index increased 1.4 percent in the second quarter of 2017 compared to the same quarter of 2016 for Single Family Residence (Table E-6) and 1.2 percent for High-Rise Building (Table E-7). In the first half of 2017 compared to 2016 the index for Single Family Residence increased 1.3 percent and 1.0 percent for High-Rise Building.

In the second quarter of 2017, Honolulu's median price for single family resales was \$754,000, an increase of \$24,000 or 3.3 percent from the same quarter of 2016 (Table E-11). The median price for condominium units was \$403,000, up \$13,000 or 3.3 percent from the same quarter of the previous year (Table E-12). In the second quarter of 2017, the number of single-family unit resales was up 7.2 percent, and the number of condominium unit resales was up 5.2 percent, compared with the second quarter of 2016 (Tables E-13 and E-14). In the first half of 2017, the number of single-family unit resales was up 4.4 percent, and condominium unit resales was up 6.0 percent compared with the same period of the previous year.

In the second quarter of 2017, Maui County single-family unit resales increased 6.8 percent, and condominium unit resales increased 3.9 percent compared to the same quarter of 2016 (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
2016 4/	8,288.2	3,240.6	1,448.0	211.0	1,581.7	1,673.3
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.	2,123.9	960.2	429.6	75.6	455.0	328.9
4/ 3 Qtr.	2,196.4	889.4	429.2	39.3	420.9	913.1
4/ 4 Qtr.	2,222.5	845.6	366.1	65.9	413.5	256.3
2017 4/ 5/ 1 Qtr.	2,170.7	919.5	507.4	101.4	310.7	213.8
4/ 2 Qtr.	(NA)	821.0	359.4	131.4	330.3	236.2

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 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.

5/ Total Private Authorizations, Residential and Commercial & Industrial revised from previous QSER.

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
2016 4/	2.2	-18.2	-12.3	-70.0	-1.7	7.6
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.	6.4	14.3	4.1	-33.7	45.0	-51.7
4/ 3 Qtr.	-0.7	-0.3	26.9	-64.6	-5.0	87.5
4/ 4 Qtr.	5.7	-9.4	-12.4	-30.1	-1.8	58.5
2017 4/ 5/ 1 Qtr.	24.4	68.5	127.5	236.0	6.3	22.1
4/ 2 Qtr.	(NA)	-14.5	-16.3	73.8	-27.4	-28.2

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.

5/ Total Private Authorizations, Residential, Commercial & Industrial and Additions & alterations revised from previous QSER.

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 8.1 percent or by 29 cases for the second quarter of 2017, from the same quarter of 2016. In the first half of 2017, total filings decreased 5.5 percent or 39 cases from the same period of the previous year.

The number of Chapter 7 filings, the largest category, decreased 11.7 percent or 30 cases in the second quarter of 2017. Chapter 7 filings are intended to liquidate assets and discharge debt. In the first half of 2017, Chapter 7 filings were down 5.7 percent or 28 cases from the same period of the previous year.

Chapter 11 filings decreased from 4 cases in the second quarter of 2016 to 3 case in the second quarter of 2017. In the first half of 2017, Chapter

11 filings decreased to 6 cases from 10 cases in the same period of the previous year. Chapter 11 filings involve the structuring of repayment plans for companies.

Chapter 13 filings increased 2.1 percent or 2 cases in the second quarter of 2017, from the same quarter of 2016. In the first half of 2017, Chapter 13 filings decreased 2.9 percent or 6 cases from the same period of the previous 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)**

