

QUARTERLY STATISTICAL & ECONOMIC REPORT, Executive Summary 1st Quarter 2020

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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 February 25, 2020.

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

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

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

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

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STATE OF THE ECONOMY

Hawaii's major economic indicators were mostly positive in the fourth quarter of 2019. Visitor arrivals, visitor expenditures, wage and salary jobs, personal income (through the third quarter of 2019), private building authorizations, and State general fund tax revenues all increased in the quarter compared to the fourth quarter of 2018. Government contracts awarded and State government CIP expenditures declined.

In the fourth quarter of 2019, the total number of visitors arriving by air to Hawaii increased 126,360 or 5.3 percent. Due to shorter lengths of stay, the daily visitor census increased 3.2 percent in the quarter. Since visitors spent more on a daily basis in the fourth quarter of 2019, total visitors by air spending increased 5.3 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 has shown positive growth compared with the same quarter in the previous year.

In the fourth quarter of 2019, jobs in the construction sector increased 4.4 percent or 1,600 jobs, the government contracts awarded decreased \$280.5 million or 66.2 percent, the permit value for private construction increased \$136.0 million or 19.0 percent, compared with the same quarter of 2018. According to the most recent excise tax base data available, current construction put-in-place increased \$174.4 million or 2.5 percent in the first three quarters of 2019, compared with the same period of the previous year.

In the fourth quarter of 2019, State general fund tax revenues were up \$56.4 million or 3.4 percent over the same period of 2018. The net individual income tax revenues increased \$35.0 million or 6.1 percent, the state general excise tax revenue increased \$16.6 million or 2.0 percent, the transient accommodations tax (TAT) increased \$16.5 million or 13.2 percent, but the net corporate income tax revenues decreased \$30.0 million or 68.6 percent. In 2019, State general fund tax revenues increased \$428.7 million or 6.2 percent, and state general excise tax revenue increased \$173.6 million or 5.1 percent, compared to the previous year.

Labor market conditions were mostly positive. Hawaii's jobs increased for the 37th consecutive quarter beginning in fourth quarter 2010. In the fourth quarter of 2019, Hawaii's non-agricultural wage and salary jobs averaged 668,700 jobs, an increase of 5,000 jobs or 0.8 percent from the same quarter of 2018.

In this quarter, the private sector added about 4,300 non-agricultural jobs compared to the fourth quarter of 2018. Jobs increased the most in Food Services and Drinking Places, adding 1,900 jobs or 2.7 percent; followed by Natural Resources, Mining & Construction, adding 1,600 jobs or 4.4 percent, Health Care & Social Assistance, adding 1,300 jobs or 1.8 percent, and Professional & Business Services, adding 1,100 jobs or 1.3 percent in the quarter. However, Retail Trade lost 1,900 jobs, and Wholesale Trade lost 800 jobs in the quarter. The three levels of government added 700 jobs or 0.5 percent in the fourth quarter of 2019 compared to the same quarter of 2018. The Federal Government added 600 jobs or 1.8 percent, State Government lost 100 jobs or 0.1 percent, and Local Government added 200 jobs or 1.1 percent, compared to the fourth quarter of 2018.

In the third quarter of 2019, total annualized nominal GDP increased \$3,377 million or 3.6 percent, from the third quarter of 2018. In the first three quarters of 2019, total annualized nominal GDP increased \$3,589 million or 3.8 percent from the same period of the previous year. In the third quarter of 2019, total annualized real GDP (in chained 2012 dollars) increased \$606 million or 0.7 percent from the third quarter of 2018. In the first three quarters of 2019, total annualized real GDP increased \$907 million or 1.1 percent from the same period of the previous year.

In the third quarter of 2019, total non-farm private sector annualized earnings increased \$1,072.1 million or 2.7 percent from the third quarter of 2018. In dollar terms, the largest increase occurred in accommodation and food services; followed by health care and social assistance, finance and insurance, professional, scientific, and technical services, and wholesale trade. During the third quarter of 2019, total government earnings increased \$417.7 million or 2.6 percent from the same quarter of 2018, as earnings from the federal government increased \$214.7 million or 2.4 percent, and state and local government increased \$203.0 million or 2.9 percent.

In the second half of 2019, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 1.3 percent from the same period in 2018. This is 0.6 of a percentage point below the 1.9 percent increase for the U.S. average CPI-U and is lower than the second half of 2018 Honolulu CPI-U increase of 2.1 percent from the same period of the previous year. In the second half of 2019, the Honolulu CPI-U increased the most in Apparel (11.5 percent), followed by Other Goods and Services (2.1 percent), Housing (1.8 percent), Food and Beverages (1.7 percent), and Education and Communication (0.1 percent). The price of Transportation decreased 2.2 percent and the price of Recreation decreased 0.5 percent compared to the second half of 2018.

**Table 1. 2019 QUARTERLY ECONOMIC INDICATORS:
STATE OF HAWAII**

SERIES	4TH QUARTER			YEAR-TO-DATE		
	2018	2019	% CHANGE YEAR AGO	2018	2019	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	675,800	666,700	-1.3	678,750	664,500	-2.1
Civilian employed, NSA	658,800	650,150	-1.3	662,150	646,450	-2.4
Civilian unemployed, NSA	17,050	16,600	-2.6	16,600	18,100	9.0
Unemployment rate, NSA (%) 1/ 2/	2.5	2.5	0.0	2.4	2.7	0.3
Total wage and salary jobs, NSA	662,900	664,900	0.3	662,900	665,100	0.3
Total non-agric. wage & salary jobs	663,700	668,700	0.8	656,600	660,100	0.5
Nat. Resources, Mining, Constr.	36,700	38,300	4.4	36,100	37,100	2.8
Manufacturing	14,100	14,100	0.0	14,200	13,900	-2.1
Wholesale Trade	18,100	17,300	-4.4	17,900	17,600	-1.7
Retail Trade	71,600	69,700	-2.7	71,400	69,400	-2.8
Transp., Warehousing, Util.	33,500	33,400	-0.3	33,300	33,200	-0.3
Information	9,600	9,400	-2.1	9,100	9,300	2.2
Financial Activities	29,100	28,900	-0.7	28,800	28,800	0.0
Professional & Business Services	83,100	84,200	1.3	82,500	83,200	0.8
Educational Services	14,700	15,000	2.0	14,400	14,500	0.7
Health Care & Social Assistance	72,100	73,400	1.8	71,500	72,300	1.1
Arts, Entertainment & Recreation	12,700	12,800	0.8	12,900	12,700	-1.6
Accommodation	41,400	42,000	1.4	41,900	42,100	0.5
Food Services & Drinking Places	69,800	71,700	2.7	69,100	70,800	2.5
Other Services	28,200	28,600	1.4	28,000	28,400	1.4
Government	129,200	129,900	0.5	125,600	126,900	1.0
Federal	34,000	34,600	1.8	33,600	34,000	1.2
State	76,400	76,300	-0.1	73,100	73,800	1.0
Local	18,800	19,000	1.1	18,900	19,100	1.1
Agriculture wage and salary jobs	6,000	4,000	-33.3	6,300	5,000	-23.1
State general fund revenues (\$1,000)	1,655,019	1,711,446	3.4	5,278,059	5,650,317	7.1
General excise and use tax revenues	846,297	862,850	2.0	2,580,227	2,737,242	6.1
Income-individual	577,281	612,319	6.1	1,958,375	2,071,056	5.8
Declaration estimated taxes	72,152	67,242	-6.8	576,474	708,592	22.9
Payment with returns	33,767	49,982	48.0	188,723	229,550	21.6
Withholding tax on wages	522,791	552,169	5.6	1,620,942	1,600,408	-1.3
Refunds ('-' indicates relative to State)	-51,429	-57,061	11.0	-427,764	-467,495	9.3
Transient accommodations tax	125,083	141,632	13.2	466,713	494,669	6.0
Honolulu County Surcharge 3/	65,452	(NA)	(NA)	204,252	(NA)	(NA)
Private Building Permits (\$1,000)	716,650	851,408	18.8	3,268,292	3,221,446	-1.4
Residential	255,881	310,164	21.2	1,395,836	1,211,631	-13.2
Commercial & industrial	70,663	150,148	112.5	402,161	352,717	-12.3
Additions & alterations	390,105	391,097	0.3	1,470,295	1,657,098	12.7
Visitor Days - by air	21,408,668	22,091,219	3.2	87,724,599	90,229,030	2.9
Domestic visitor days - by air	15,569,542	16,360,454	5.1	63,732,896	66,513,478	4.4
International visitor days - by air	5,839,125	5,730,766	-1.9	23,991,703	23,715,552	-1.2
Visitor arrivals by air - by air	2,391,358	2,517,718	5.3	9,761,448	10,282,160	5.3
Domestic flight visitors - by air	1,649,887	1,764,520	6.9	6,736,736	7,251,489	7.6
International flight visitors - by air	741,471	753,198	1.6	3,024,712	3,030,671	0.2
Visitor expend. - arrivals by air (\$1,000)	4,168,477	4,389,293	5.3	17,464,381	17,702,193	1.4
Hotel occupancy rates (%) 2/	76.4	79.4	2.9	80.3	81.2	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> and Hospitality Advisors, LLC.

2/7/2020

OUTLOOK FOR THE ECONOMY

Hawaii's economy is expected to continue positive growth in 2020 and 2021. 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 March 2020 *Blue Chip Economic Consensus Forecasts*, U.S. real GDP is expected to increase by 1.7 percent in 2020, 0.1 of a percentage point below the growth rate projected in the November 2019 forecast. For 2021 the consensus forecast predicts an overall 2.0 percent growth in U.S. real GDP.

According to the March 2020 *Blue Chip Economic Consensus Forecast*, real GDP growth for Japan is now expected to increase 0.0 percent in 2020, 0.3 of a percentage point below the growth rate projected in the November 2019 forecast. For 2021, the consensus forecast now projects an overall 1.0 percent growth rate for Japanese real GDP.

For Hawaii's economy, DBEDT expects that visitor expenditures will grow at a lower rate than projected in the previous forecast for 2020, and the real GDP growth rate will also be lower than projected in the previous forecast.

Overall, Hawaii's economy, as measured by real GDP, is projected to show a 0.5 percent increase in 2020, 0.7 of a percentage point below the growth rate forecast last quarter. The real GDP growth forecast for 2021 is 1.5 percent, 0.2 of a percentage point above the previous forecast.

Hawaii's unemployment rate is projected to be 3.2 percent in 2020, same as the previous forecast. The unemployment rate in 2021 is projected to be 3.1 percent, 0.3 of a percentage point below the previous forecast.

Visitor arrivals are expected to decrease 3.3 percent in 2020, 5.8 percentage points below the previous forecast. The forecast for visitor days in 2020 decreased 5.7 percentage points to negative 3.7 percent. The 2020 forecast for visitor expenditure growth was decreased 6.3 percentage points to negative 3.8 percent as projected in the previous forecast. For 2021, the growth rate of visitor arrivals, visitor days, and visitor expenditures are now expected to be 4.0 percent, 3.8 percent, and 4.4 percent, respectively.

The projection for the non-agricultural wage and salary job growth rate for 2020 is negative 0.2 percent, 0.5 of a percentage point below the previous forecast. In 2021, jobs are projected to increase 0.5 percent, 0.1 of a percentage point above the previous forecast.

The Honolulu Consumer Price Index (CPI) is expected to increase 1.7 percent in 2020, 0.6 of a percentage point below the previous forecast. In 2021, the CPI is projected to increase 1.8 percent, 0.6 of a percentage point below the previous forecast.

Personal income in current dollars is expected to increase 2.8 percent in 2020, 0.9 of a percentage point below the previous forecast. Real personal income is now projected to grow 1.9 percent in 2020, 0.2 of a percentage point above the previous forecast. In 2021, current-dollar personal income and real personal income are expected to increase 4.0 and 2.0 percent, respectively.

Beyond 2021, the economy is expected to continue its expansion path, with job growth projected to be 0.4 percent in 2022 and 2023. Visitor arrivals are expected to increase 1.8 percent in 2022 and 1.6 percent in 2023. Visitor expenditures are expected to increase 2.1 percent in 2022 and 1.9 percent in 2023. Real personal income is projected to increase 1.9 percent in 2022 and 2023. Hawaii's real GDP growth is expected to increase 1.3 percent in 2022 and 2023. The unemployment rate is expected to increase to 3.3 percent in 2022 and 3.4 percent in 2023.

**ACTUAL AND FORECAST KEY ECONOMIC INDICATORS FOR HAWAII:
2018 TO 2023**

Economic Indicators	2018	2019	2020	2021	2022	2023
	(Actual)		(Forecast)			
Total population (thousands)	1,421	1,416	1,419	1,422	1,426	1,430
Visitor arrivals (thousands) 1/	9,889	10,425	10,081	10,484	10,673	10,844
Visitor days (thousands) 1/	88,285	90,892	87,562	90,898	92,321	93,581
Visitor expenditures (million dollars) 1/	17,643	17,890	17,211	17,972	18,344	18,689
Honolulu CPI-U (1982-84=100)	277.1	281.6	286.4	291.6	297.2	303.0
Personal income (million dollars) 2/	78,721	81,513	83,796	87,148	90,372	93,716
Real personal income (millions of 2012\$) 3/	61,937	63,218	64,427	65,714	66,972	68,241
Non-agricultural wage & salary jobs (thousands)	656.6	660.1	658.8	662.1	664.7	667.4
Civilian unemployment rate 4/	2.4	2.7	3.2	3.1	3.3	3.4
Gross domestic product (million dollars) 5/	93,798	97,456	101,062	104,801	108,679	112,700
Real gross domestic product (millions of 2012\$) 5/	82,652	83,644	84,062	85,323	86,432	87,556
Gross domestic product deflator (2012=100) 5/	113.5	116.5	120.2	122.8	125.7	128.7
Annual Percentage Change						
Total population	-0.3	-0.3	0.2	0.2	0.3	0.3
Visitor arrivals 1/	5.2	5.4	-3.3	4.0	1.8	1.6
Visitor days 1/	4.9	3.0	-3.7	3.8	1.6	1.4
Visitor expenditures 1/	5.1	1.4	-3.8	4.4	2.1	1.9
Honolulu CPI-U	1.9	1.6	1.7	1.8	1.9	1.9
Personal income 2/	4.0	3.5	2.8	4.0	3.7	3.7
Real personal income 3/	2.3	2.1	1.9	2.0	1.9	1.9
Non-agricultural wage & salary jobs	0.5	0.5	-0.2	0.5	0.4	0.4
Civilian unemployment rate 4/	0.0	0.3	0.5	-0.1	0.2	0.1
Gross domestic product 5/	4.9	3.9	3.7	3.7	3.7	3.7
Real gross domestic product 5/	2.4	1.2	0.5	1.5	1.3	1.3
Gross domestic product deflator (2012=100) 5/	2.4	2.7	3.2	2.2	2.4	2.4

1/ Visitors who came to Hawaii by air or by cruise ship. Expenditures includes supplementary expenditures. 2019 supplementary expenditure was estimated by DBEDT.

2/ The 2019 values are estimated based on actual values in the first three quarters of 2019.

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

4/ Absolute change from previous year.

5/ 2019 and later years are estimated by DBEDT, data for earlier years from U.S. Bureau of Economic Analysis.

Source: Hawaii State Department of Business, Economic Development & Tourism, March 11, 2020.

COUNTY ECONOMIC CONDITIONS

Overall economic conditions were mixed across the counties in the fourth quarter of 2019. The unemployment rate decreased in Honolulu; stayed the same in Maui County, but increased in Kauai and Hawaii County. Total non-agricultural wage and salary jobs increased in Honolulu, Maui, and Kauai; but declined in Hawaii County. Total visitor arrivals by air increased in all counties. Visitor expenditures increased in Honolulu, Maui, and Hawaii County, but declined in Kauai. The value of private building permits increased in Honolulu Maui, and Kauai, but declined in Hawaii County.

In the fourth quarter of 2019, the unemployment rate in Honolulu decreased 0.1 of a percentage point from 2.4 percent to 2.3 percent; the unemployment rate in Maui County remained the same at 2.5 percent; the unemployment rate in Hawaii County increased 0.1 of a percentage point from 3.2 percent to 3.3 percent; and the unemployment rate in Kauai County increased 0.1 of a percentage point from 2.6 percent to 2.7 percent.

In the fourth quarter of 2019, Honolulu gained 4,600 or 0.9 percent of non-agricultural wage and salary jobs over the same quarter of 2018. Food Services and Drinking Places added the most jobs (1,800 jobs); followed by Natural Resources, Mining, & Construction (1,400 jobs), Health Care & Social Assistance (800 jobs), and Professional & Business Services (800 jobs). The Government sector added 1,200 jobs. The largest private sector job losses occurred in Retail Trade (lost 1,300 jobs); followed by Wholesale Trade (lost 800 jobs).

In the fourth quarter of 2019, Hawaii County lost 1,000 or 1.4 percent of non-agricultural wage and salary jobs over the same quarter of 2018. The Retail sector lost 300 jobs in the quarter. The Government sector lost 500 jobs in the quarter.

Maui County saw a net gain of 1,400 jobs or a 1.8 percent increase in the fourth quarter of 2019 over the same quarter of 2018. Jobs increased the most in Arts, Entertainment & Recreation (400 jobs); followed by Health Care & Social Assistance (300 jobs). Government lost 100 jobs in the quarter.

In the fourth quarter of 2019, Kauai County gained 200 wage and salary jobs or 0.6 percent from the same quarter of 2018. Natural Resources, Mining & Construction and Health Care & Social Assistance each added 200 jobs; however, Arts, Entertainment & Recreation lost 200 jobs in the quarter. The Government sector lost 100 jobs in the quarter.

In the fourth quarter of 2019, visitor arrivals by air increased in all counties. Visitor expenditures increased in Honolulu, Maui, and Hawaii County, however declined in Kauai. Visitor arrivals by air increased 4.8 percent in Honolulu, 7.5 percent in Maui, 12.9 percent in Hawaii County, and 1.2 percent in Kauai. Visitor expenditures increased 4.3 percent in Honolulu, increased 9.8 percent in Hawaii County, increased 6.8 percent in Maui, but decreased 0.1 percent in Kauai compared to the same quarter of 2018.

In the fourth quarter of 2019, private building permits increased in Honolulu, Maui, and Kauai, but declined in Hawaii County. In the fourth quarter of 2019, private building permits increased \$114.2 million or 25.8 percent in Honolulu, increased \$20.6 million or 18.3 percent in Maui, increased \$10.5 million or 48.1 percent in Kauai (only residential available), and declined \$9.3 million or 6.6 percent in Hawaii County from the same quarter of the previous year.

**Table 2. 2019 QUARTERLY ECONOMIC INDICATORS:
CITY AND COUNTY OF HONOLULU**

SERIES	4th QUARTER			YEAR-TO-DATE		
	2018	2019	% CHANGE YEAR AGO	2018	2019	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	464,600	459,100	-1.2	465,200	456,600	-1.8
Civilian employed	453,550	448,450	-1.1	454,300	444,900	-2.1
Civilian unemployed	11,000	10,600	-3.6	10,850	11,700	7.8
Unemployment rate, NSA (%) 1/ 2/	2.4	2.3	-0.1	2.4	2.6	0.2
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	484,700	489,300	0.9	477,700	481,900	0.9
Nat. Resources, Mining, Constr.	26,900	28,300	5.2	26,400	27,200	3.0
Manufacturing	11,200	11,200	0.0	11,300	11,100	-1.8
Wholesale Trade	14,300	13,500	-5.6	14,000	13,800	-1.4
Retail Trade	48,100	46,800	-2.7	47,900	46,400	-3.1
Transp., Warehousing, Util.	24,200	24,200	0.0	23,900	23,900	0.0
Information	8,200	7,900	-3.7	7,700	7,800	1.3
Financial Activities	22,200	22,100	-0.5	21,900	22,000	0.5
Professional & Business Services	65,800	66,600	1.2	65,100	65,700	0.9
Educational Services	11,900	12,100	1.7	11,600	11,700	0.9
Health Care & Social Assistance	54,100	54,900	1.5	53,500	54,200	1.3
Arts, Entertainment & Recreation	7,600	7,600	0.0	7,800	7,600	-2.6
Accommodation	18,200	18,900	3.8	18,600	18,900	1.6
Food Services & Drinking Places	48,400	50,200	3.7	47,500	49,200	3.6
Other Services	21,500	21,900	1.9	21,500	21,700	0.9
Government	102,000	103,200	1.2	99,000	100,700	1.7
Federal	31,400	31,900	1.6	31,000	31,300	1.0
State	58,400	58,900	0.9	55,800	57,000	2.2
Local	12,200	12,400	1.6	12,200	12,400	1.6
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits (\$1,000)	442,578	555,522	25.5	1,985,648	2,062,004	3.8
Residential	120,357	177,740	47.7	679,700	591,802	-12.9
Commercial & industrial	32,784	55,212	68.4	129,844	147,179	13.4
Additions & alterations	289,437	322,570	11.4	1,176,104	1,323,024	12.5
Visitor Days - by air	9,897,622	10,069,857	1.7	40,478,710	42,271,087	4.4
Domestic visitor days - by air	5,781,989	5,970,525	3.3	23,091,398	24,760,041	7.2
International visitor days - by air	4,115,634	4,099,333	-0.4	17,387,312	17,511,046	0.7
Visitor arrivals by air - by air	1,433,511	1,502,888	4.8	5,862,358	6,193,027	5.6
Domestic flight visitors - by air	799,099	851,139	6.5	3,217,740	3,512,210	9.2
International flight visitors - by air	634,412	651,749	2.7	2,644,617	2,680,817	1.4
Visitor expenditures - by air (\$1,000)	1,931,561	2,014,871	4.3	7,969,068	8,192,453	2.8
Hotel occupancy rates 2/	80.5	82.5	1.9	83.7	84.2	0.5

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> and Hospitality Advisors, LLC.

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Table 3. 2019 QUARTERLY ECONOMIC INDICATORS: HAWAII COUNTY

SERIES	4th QUARTER			YEAR-TO-DATE		
	2018	2019	% CHANGE YEAR AGO	2018	2019	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	90,550	88,250	-2.5	91,300	88,200	-3.4
Civilian employed	87,650	85,350	-2.6	88,600	85,050	-4.0
Civilian unemployed	2,900	2,900	0.0	2,750	3,150	14.5
Unemployment rate, NSA (%) 1/ 2/	3.2	3.3	0.1	3.0	3.6	0.6
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	69,700	68,700	-1.4	69,400	68,200	-1.7
Nat. Resources, Mining, Constr.	3,800	3,800	0.0	3,800	3,800	0.0
Manufacturing	1,400	1,300	-7.1	1,400	1,300	-7.1
Wholesale Trade	1,800	1,800	0.0	1,800	1,800	0.0
Retail Trade	9,600	9,300	-3.1	9,600	9,400	-2.1
Transp., Warehousing, Util.	3,400	3,400	0.0	3,400	3,500	2.9
Information	600	700	16.7	700	700	0.0
Financial Activities	2,600	2,500	-3.8	2,600	2,500	-3.8
Professional & Business Services	7,100	7,100	0.0	6,900	7,100	2.9
Educational Services	1,400	1,500	7.1	1,400	1,400	0.0
Health Care & Social Assistance	7,700	7,700	0.0	7,700	7,600	-1.3
Arts, Entertainment & Recreation	1,600	1,600	0.0	1,500	1,600	6.7
Accommodation	5,900	5,800	-1.7	6,200	5,800	-6.5
Food Services & Drinking Places	6,600	6,600	0.0	6,800	6,600	-2.9
Other Services	2,100	2,100	0.0	2,100	2,100	0.0
Government	13,900	13,400	-3.6	13,500	13,100	-3.0
Federal	1,300	1,200	-7.7	1,300	1,300	0.0
State	9,900	9,400	-5.1	9,500	9,100	-4.2
Local	2,700	2,800	3.7	2,700	2,700	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits (\$1,000)	139,646	130,375	-6.6	578,662	552,078	-4.6
Residential	60,697	70,346	15.9	331,599	277,418	-16.3
Commercial & industrial	9,585	20,072	109.4	67,126	83,524	24.4
Additions & alterations	69,364	39,957	-42.4	179,937	191,136	6.2
Visitor Days - by air	3,081,693	3,373,123	9.5	12,783,660	13,028,859	1.9
Domestic visitor days - by air	2,619,377	2,851,173	8.8	10,756,066	11,070,989	2.9
International visitor days - by air	462,316	521,950	12.9	2,027,594	1,957,870	-3.4
Visitor arrivals by air - by air	393,499	444,196	12.9	1,706,218	1,779,526	4.3
Domestic flight visitors - by air	305,758	339,863	11.2	1,291,109	1,361,678	5.5
International flight visitors - by air	87,741	104,333	18.9	415,108	417,848	0.7
Visitor expenditures - by air (\$1,000)	550,434	604,214	9.8	2,348,991	2,325,741	-1.0
Hotel occupancy rates 2/	69.0	76.4	7.4	74.6	77.1	2.5

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> and Hospitality Advisors, LLC.

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Table 4. 2019 QUARTERLY ECONOMIC INDICATORS: MAUI COUNTY

SERIES	4th QUARTER			YEAR-TO-DATE		
	2018	2019	% CHANGE YEAR AGO	2018	2019	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	85,100	84,350	-0.9	86,150	84,550	-1.9
Civilian employed	82,900	82,200	-0.8	84,000	82,300	-2.0
Civilian unemployed	2,150	2,100	-2.3	2,100	2,250	7.1
Unemployment rate, NSA (%) 1/ 2/	2.5	2.5	0.0	2.5	2.7	0.2
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	77,300	78,700	1.8	77,400	78,200	1.0
Nat. Resources, Mining, Constr.	4,100	4,200	2.4	4,000	4,100	2.5
Manufacturing	1,100	1,100	0.0	1,100	1,100	0.0
Wholesale Trade	1,500	1,500	0.0	1,500	1,500	0.0
Retail Trade	9,900	9,800	-1.0	9,800	9,700	-1.0
Transp., Warehousing, Util.	4,200	4,200	0.0	4,300	4,200	-2.3
Information	500	600	20.0	500	600	20.0
Financial Activities	3,100	3,100	0.0	3,100	3,100	0.0
Professional & Business Services	7,100	7,300	2.8	7,300	7,300	0.0
Educational Services	1,100	1,200	9.1	1,200	1,200	0.0
Health Care & Social Assistance	7,600	7,900	3.9	7,600	7,800	2.6
Arts, Entertainment & Recreation	2,100	2,500	19.0	2,400	2,300	-4.2
Accommodation	12,700	12,800	0.8	12,500	12,900	3.2
Food Services & Drinking Places	10,300	10,400	1.0	10,300	10,500	1.9
Other Services	3,400	3,600	5.9	3,400	3,600	5.9
Government	8,600	8,500	-1.2	8,500	8,400	-1.2
Federal	900	900	0.0	900	900	0.0
State	5,100	5,100	0.0	4,900	4,900	0.0
Local	2,600	2,500	-3.8	2,700	2,600	-3.7
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. (\$1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits (\$1,000)	112,560	133,132	18.3	559,832	483,008	-13.7
Residential	52,961	29,699	-43.9	240,388	218,056	-9.3
Commercial & industrial	28,294	74,864	164.6	205,191	122,014	-40.5
Additions & alterations	31,304	28,569	-8.7	114,253	142,938	25.1
Visitor Days - by air	5,966,773	6,207,329	4.0	24,073,277	24,802,573	3.0
Domestic visitor days - by air	4,945,524	5,287,157	6.9	20,453,326	21,391,416	4.6
International visitor days - by air	1,021,248	920,172	-9.9	3,619,952	3,411,158	-5.8
Visitor arrivals by air - by air	709,051	761,932	7.5	2,963,564	3,125,651	5.5
Domestic flight visitors - by air	587,323	645,260	9.9	2,473,377	2,647,835	7.1
International flight visitors - by air	121,728	116,673	-4.2	490,187	477,816	-2.5
Visitor expenditures - by air (\$1,000)	1,232,438	1,316,435	6.8	5,152,265	5,283,387	2.5
Hotel occupancy rates 2/	71.9	76.0	4.1	75.9	77.7	1.8

NA Not available.

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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> and Hospitality Advisors, LLC.

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Table 5. 2019 QUARTERLY ECONOMIC INDICATORS: KAUAI COUNTY

SERIES	4th QUARTER			YEAR-TO-DATE		
	2018	2019	% CHANGE YEAR AGO	2018	2019	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	35,650	35,050	-1.7	36,100	35,150	-2.6
Civilian employed	34,700	34,100	-1.7	35,200	34,200	-2.8
Civilian unemployed	900	950	5.6	900	1,000	11.1
Unemployment rate, NSA (%) 1/ 2/	2.6	2.7	0.1	2.5	2.8	0.3
Total wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	31,800	32,000	0.6	31,700	31,800	0.3
Nat. Resources, Mining, Constr.	1,900	2,100	10.5	1,900	2,000	5.3
Manufacturing	500	500	0.0	500	500	0.0
Wholesale Trade	500	500	0.0	500	500	0.0
Retail Trade	4,000	3,900	-2.5	4,100	3,900	-4.9
Transp., Warehousing, Util.	1,500	1,500	0.0	1,600	1,600	0.0
Information	200	200	0.0	200	200	0.0
Financial Activities	1,200	1,200	0.0	1,200	1,100	-8.3
Professional & Business Services	3,000	3,100	3.3	3,100	3,100	0.0
Educational Services	200	300	50.0	200	200	0.0
Health Care & Social Assistance	2,700	2,900	7.4	2,700	2,800	3.7
Arts, Entertainment & Recreation	1,300	1,100	-15.4	1,200	1,200	0.0
Accommodation	4,500	4,500	0.0	4,500	4,500	0.0
Food Services & Drinking Places	4,400	4,500	2.3	4,500	4,500	0.0
Other Services	1,000	1,100	10.0	1,000	1,100	10.0
Government	4,800	4,700	-2.1	4,700	4,700	0.0
Federal	500	600	20.0	500	600	20.0
State	3,000	2,800	-6.7	2,900	2,700	-6.9
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)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits (\$1,000)	21,865	32,379	48.1	144,149	123,067	-14.6
Residential	21,865	32,379	48.1	144,149	123,067	-14.6
Commercial & industrial	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Additions & alterations	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Visitor Days - by air	2,462,580	2,440,910	-0.9	10,388,952	10,126,510	-2.5
Domestic visitor days - by air	2,222,653	2,251,599	1.3	9,432,106	9,291,032	-1.5
International visitor days - by air	239,927	189,311	-21.1	956,845	835,479	-12.7
Visitor arrivals by air - by air	327,640	331,635	1.2	1,389,300	1,374,944	-1.0
Domestic flight visitors - by air	285,192	293,260	2.8	1,209,338	1,210,665	0.1
International flight visitors - by air	42,448	38,375	-9.6	179,962	164,279	-8.7
Visitor expenditures - by air (\$1,000)	454,044	453,774	-0.1	1,994,057	1,900,612	-4.7
Hotel occupancy rates 2/	72.3	71.5	-0.8	77.5	76.3	-1.2

NA Not available.

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

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Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC.

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A. LABOR FORCE AND JOBS

Hawaii's labor market conditions were mostly positive in the fourth quarter of 2019. Since the civilian labor force decreased only slightly more than the decrease in civilian employment, the civilian unemployment rate remained at 2.5 percent in the quarter. For the 37th consecutive quarter-over-quarter, civilian non-agricultural wage and salary jobs increased.

In the fourth quarter of 2019, the civilian labor force averaged 666,700 people, a decrease of 9,100 people or 1.3 percent from the same quarter of 2018 (Table A-1). In 2019, the civilian labor force declined by 14,250 people or 2.1 percent from the previous year.

Civilian employment totaled 650,150 people in the fourth quarter of 2019, a decrease of 8,650 people or 1.3 percent compared to the same quarter of 2018 (Table A-2). In the 2019, average civilian employment decreased 15,700 people or 2.4 percent from the previous year.

In the fourth quarter of 2019, the number of civilian unemployed averaged 16,600, a decrease of 450 people or 2.6 percent from the same quarter of 2018 (Table A-3). In 2019, the number of unemployed increased 1,500 people or 9.0 percent from the previous year.

The unemployment rate (not seasonally adjusted) was 2.5 percent in the fourth quarter of 2019, the same as in the fourth quarter of 2018 (Table A-4). In 2019, the unemployment rate increased 0.3 of a percentage point from the previous year to 2.7 percent.

In the fourth quarter of 2019, Hawaii's non-agricultural wage and salary jobs averaged 668,700 jobs, an increase of 5,000 jobs or 0.8 percent from the same quarter of 2018 (Table A-6). This is the 37th 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 2019, average non-agricultural wage and salary jobs increased 0.5 percent or 3,500 jobs from the previous year.

The job growth in the fourth quarter of 2019 was due to job increases in both the private sector and the government sector. In this quarter, the private sector added about 4,300 non-agricultural jobs compared to the fourth quarter of 2018. Jobs increased the most in Food Services and Drinking Places, adding 1,900 jobs or 2.7 percent (Table A-19); followed by Natural Resources, Mining & Construction, adding 1,600 jobs or 4.4 percent (Table A-7), Health Care & Social Assistance, adding 1,300 jobs or 1.8 percent (Table A-16), and Professional & Business Services, adding 1,100 jobs or 1.3 percent (Table A-14) in the quarter.

For the private sector, in the fourth quarter of 2019, Retail Trade lost 1,900 jobs (Table A-10), and Wholesale Trade lost 800 jobs (Table A-9) in the quarter.

The three levels of government added 700 jobs or 0.5 percent (Table A-21) in the fourth quarter of 2019 compared to the same quarter of 2018. The Federal Government added 600 jobs or 1.8 percent (Table A-22), State Government lost 100 jobs or 0.1 percent (Table A-23), and Local Government added 200 jobs or 1.1 percent (Table A-24), compared to the fourth quarter of 2018.

The initial liable claims for unemployment, which measures the number of people who lost jobs in Hawaii and moved to other states, increased 1.8 percent in the fourth quarter of 2019 compared to the same quarter of 2018 (Table A-27). In 2019, the initial liable claims for unemployment increased 7.7 percent from 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	611,500	617,900	615,000	629,800	618,600
2014	623,100	626,300	622,800	635,800	627,000
2015	632,200	636,300	633,500	648,300	637,600
2016	641,600	645,000	643,600	654,200	646,100
2017 2/	651,000	654,400	647,900	660,000	653,300
2018 2/	654,900	656,900	650,700	663,700	656,600
2019 3/	657,700	659,900	654,300	668,700	660,100
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	2.6	2.0	1.8	1.7	2.0
2014	1.9	1.4	1.3	1.0	1.4
2015	1.5	1.6	1.7	2.0	1.7
2016	1.5	1.4	1.6	0.9	1.3
2017 2/	1.5	1.5	0.7	0.9	1.1
2018 2/	0.6	0.4	0.4	0.6	0.5
2019 3/	0.4	0.5	0.6	0.8	0.5

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

2/ Data benchmarked by DLIR in March 2018.

3/ Q3 revised from previous QSER.

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

B. INCOME AND PRICES

In the third quarter of 2019, total annualized nominal GDP increased \$3,377 million or 3.6 percent, from the third quarter of 2018. In the first three quarters of 2019, total annualized nominal GDP increased \$3,589 million or 3.8 percent from the same period of the previous year. In the third quarter of 2019, total annualized real GDP (in chained 2012 dollars) increased \$606 million or 0.7 percent from the third quarter of 2018. In the first three quarters of 2019, total annualized real GDP increased \$907 million or 1.1 percent from the same period of the previous year (Table B-1 to B-3).

Hawaii's total personal income increased during the third quarter of 2019 over the same quarter of 2018; all major components of personal income increased in the quarter. In dollar terms, the largest increases occurred in wages and salaries; followed by personal current transfer receipts, proprietors' income, supplements to wages and salaries, and dividends, interest, and rent (Table B-4).

In the third quarter of 2019, total nominal annualized personal income (i.e. not adjusted for inflation) increased \$2,368.0 million or 3.0 percent over that of 2018 (Table B-5). In the first three quarters of 2019, total annualized personal income was \$80,988.3 million, an increase of 3.3 percent from the same period of the previous year.

In the third quarter of 2019, wages and salaries increased \$1,031.1 million or 2.7 percent over the third quarter of 2018. This was the 37th consecutive quarterly year-over-year increase since the third quarter of 2010. In the first three quarters of 2019, wages and salaries increased 3.1 percent from the same period of the previous year (Table B-8).

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 \$255.4 million or 2.3 percent in the third quarter of 2019, from the same quarter of 2018 (Table B-9). In the first three quarters of 2019, supplements to wages and salaries increased 3.3 percent from the same period of the previous year.

Proprietors' income increased \$257.9 million or 4.0 percent in the third quarter of 2019, over the same quarter in 2018 (Table B-10). In the first three quarters of 2019, proprietors' income was up 3.8 percent from the same period of the previous year.

Dividends, interest, and rent increased \$251.8 million or 1.4 percent in the third quarter of 2019, from the same quarter of 2018. In the first three quarters of 2019, income in this category was up 2.6 percent from the same period of the previous year (Table B-11).

The annualized personal current transfer receipts grew by \$751.9 million or 6.2 percent in the third quarter of 2019 from the same quarter of 2018 (Table B-12). In the first three quarters of 2019, personal current transfer receipts increased 4.8 percent from the same period of the previous year.

Contributions to government social insurance, which is subtracted from total personal income, increased \$180.2 million or 2.8 percent in the third quarter of 2019, compared to the third quarter of 2018. In the first three quarters of 2019, contributions to government social insurance increased 3.5 percent from the same period of the previous year (Table B-13).

In the third quarter of 2019, total non-farm private sector annualized earnings increased \$1,072.1 million or 2.7 percent from the third quarter of 2018. In dollar terms, the largest increase occurred in accommodation and food services; followed by health care and social assistance, finance and insurance, professional, scientific, and technical services, and wholesale trade. During the third quarter of 2019, total government earnings increased \$417.7 million or 2.6 percent from the same quarter of 2018. Earnings from the federal government increased \$214.7 million or 2.4 percent. Earnings from the state and local governments increased \$203.0 million or 2.9 percent in the quarter (Table B-4).

In the second half of 2019, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 1.3 percent from the same period in 2018 (Table B-14). This is 0.6 of a percentage point below the 1.9 percent increase for the U.S. average CPI-U and is lower than the second half of 2018 Honolulu CPI-U increase of 2.1 percent from the same period of the previous year. In the second half of 2019, the Honolulu CPI-U increased the most in Apparel (11.5 percent), followed by Other Goods and Services (2.1 percent), Housing (1.8 percent), Food and Beverages (1.7 percent), and Education and Communication (0.1 percent). The price of Transportation decreased 2.2 percent and the price of Recreation decreased 0.5 percent compared to the second half of 2018.

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

[In thousands of dollars at seasonally adjusted annual rates and percent calculated at quarterly rates. Industries based on 2017 NAICS classification]

Series 1/	Third Quarter 2018	First Quarter 2019	Second Quarter 2019	Third Quarter 2019	YTD 2018	YTD 2019	Percentage change		
							Third Quarter 2019		YTD 2019
							Third Quarter 2018	Second Quarter 2019	YTD 2018
PERSONAL INCOME	79,044,096	80,653,159	80,899,805	81,412,056	78,394,247	80,988,340	3.0	0.6	3.3
Earnings By Place of Work	55,650,100	57,030,478	56,765,074	57,194,581	55,209,703	56,996,711	2.8	0.8	3.2
Wages and salaries	38,389,828	39,436,120	39,180,700	39,420,959	38,152,557	39,345,926	2.7	0.6	3.1
Supplements to wages and salaries	10,871,232	11,087,082	11,048,560	11,126,666	10,732,240	11,087,436	2.3	0.7	3.3
Emp'er contrib. for emp'ee pension & ins. funds	7,855,892	7,988,552	7,973,071	8,037,082	7,739,835	7,999,568	2.3	0.8	3.4
Employer contributions for gov't social ins.	3,015,340	3,098,530	3,075,489	3,089,584	2,992,405	3,087,868	2.5	0.5	3.2
Proprietors' income	6,389,040	6,507,276	6,535,814	6,646,956	6,324,905	6,563,349	4.0	1.7	3.8
Farm proprietors' income	24,212	44,592	49,140	63,064	32,785	52,265	160.5	28.3	59.4
Nonfarm proprietors' income	6,364,828	6,462,684	6,486,674	6,583,892	6,292,120	6,511,083	3.4	1.5	3.5
Dividends, interest, and rent	17,668,368	17,662,479	17,965,428	17,920,146	17,401,120	17,849,351	1.4	-0.3	2.6
plus: Personal current transfer receipts	12,076,804	12,506,896	12,669,074	12,828,751	12,089,795	12,668,240	6.2	1.3	4.8
Social Security benefits	4,283,416	4,504,567	4,540,425	4,573,916	4,246,736	4,539,636	6.8	0.7	6.9
Medicare benefits	2,686,544	2,843,943	2,921,800	2,989,727	2,633,019	2,918,490	11.3	2.3	10.8
Medicaid	2,166,552	2,054,662	2,106,255	2,161,132	2,266,209	2,107,350	-0.3	2.6	-7.0
State unempl. ins. comp.	141,900	149,425	150,349	150,488	141,328	150,087	6.1	0.1	6.2
All other personal current transfer receipts	2,798,392	2,954,299	2,950,245	2,953,488	2,802,503	2,952,677	5.5	0.1	5.4
Less: Contributions for gov't social insurance	6,351,176	6,546,694	6,499,771	6,531,422	6,306,371	6,525,962	2.8	0.5	3.5
Personal contributions for gov't social ins.	3,335,836	3,448,164	3,424,282	3,441,838	3,313,965	3,438,095	3.2	0.5	3.7
Employer contributions for gov't social ins.	3,015,340	3,098,530	3,075,489	3,089,584	2,992,405	3,087,868	2.5	0.5	3.2
Earnings By Industry	55,650,100	57,030,478	56,765,074	57,194,581	55,209,703	56,996,711	2.8	0.8	3.2
Farm Earnings	252,236	281,161	290,369	306,868	257,417	292,799	21.7	5.7	13.7
Nonfarm Earnings	55,397,864	56,749,317	56,474,705	56,887,713	54,952,285	56,703,912	2.7	0.7	3.2
Private earnings	39,386,348	40,440,178	40,158,611	40,458,481	39,151,103	40,352,423	2.7	0.7	3.1
Forestry, fishing, & related activities	96,468	104,259	106,403	107,201	96,661	105,954	11.1	0.7	9.6
Mining	30,476	30,515	35,027	34,956	29,939	33,499	14.7	-0.2	11.9
Utilities	613,928	588,518	615,090	615,494	603,417	606,367	0.3	0.1	0.5
Construction	4,467,888	4,670,394	4,538,820	4,531,656	4,459,005	4,580,290	1.4	-0.2	2.7
Manufacturing	964,452	976,769	964,000	976,454	984,999	972,408	1.2	1.3	-1.3
Durable goods	336,876	346,459	341,007	342,092	337,069	343,186	1.5	0.3	1.8
Nondurable goods	627,576	630,310	622,993	634,362	647,929	629,222	1.1	1.8	-2.9
Wholesale trade	1,461,004	1,537,061	1,573,148	1,560,786	1,437,704	1,556,998	6.8	-0.8	8.3
Retail trade	3,335,936	3,386,390	3,391,150	3,422,686	3,319,591	3,400,075	2.6	0.9	2.4
Transportation and warehousing	2,451,560	2,488,520	2,451,328	2,432,264	2,403,752	2,457,371	-0.8	-0.8	2.2
Information	848,240	920,616	726,884	739,865	877,512	795,788	-12.8	1.8	-9.3
Finance and insurance	1,688,376	1,769,885	1,851,469	1,829,488	1,688,317	1,816,947	8.4	-1.2	7.6
Real estate and rental and leasing	1,869,556	1,948,601	1,928,949	1,947,106	1,855,864	1,941,552	4.1	0.9	4.6
Prof., scientific, & technical services	3,134,832	3,224,051	3,248,557	3,272,386	3,120,421	3,248,331	4.4	0.7	4.1
Management of companies and enterprises	1,022,404	1,090,525	1,025,750	1,032,053	1,001,481	1,049,443	0.9	0.6	4.8
Admin. & waste management services	2,617,144	2,269,279	2,269,557	2,321,959	2,605,164	2,286,932	-11.3	2.3	-12.2
Educational services	831,004	850,832	844,650	870,172	813,024	855,218	4.7	3.0	5.2
Health care and social assistance	5,659,020	5,913,199	5,883,427	5,954,654	5,583,375	5,917,093	5.2	1.2	6.0
Arts, entertainment, and recreation	705,188	769,757	773,771	766,499	711,612	770,009	8.7	-0.9	8.2
Accommodation and food services	5,310,036	5,536,367	5,580,748	5,672,123	5,301,261	5,596,413	6.8	1.6	5.6
Other services, except public admin.	2,278,836	2,364,640	2,349,883	2,370,679	2,258,003	2,361,734	4.0	0.9	4.6
Government and government enterprises	16,011,516	16,309,139	16,316,094	16,429,232	15,801,183	16,351,488	2.6	0.7	3.5
Federal	8,910,836	9,016,095	9,059,299	9,125,517	8,733,391	9,066,970	2.4	0.7	3.8
Federal, civilian	3,925,128	3,978,145	4,008,705	4,056,955	3,883,116	4,014,602	3.4	1.2	3.4
Military	4,985,708	5,037,950	5,050,594	5,068,562	4,850,275	5,052,369	1.7	0.4	4.2
State and local	7,100,680	7,293,044	7,256,795	7,303,715	7,067,792	7,284,518	2.9	0.6	3.1

1/ 2019Q1 and 2019Q2 revised from previous QSER.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, State Quarterly Personal Income, December 18, 2019 <<http://www.bea.gov/iTable/iTable.cfm?reqid=70&step=1&isuri=1&acrdn=3>> accessed December 18, 2019.

**Table B-14. HONOLULU and U.S. CONSUMER PRICE INDEX,
ALL URBAN CONSUMERS (CPI-U)**
[1982-84=100. Data are not seasonally adjusted]

Period	U.S.	Honolulu 1/								
		All Items	Food & Beverages	Housing	Apparel	Transportation	Medical Care	Recreation 2/	Educ. & Comm. 2/	Other Goods & Services
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	(2/)	(2/)	160.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	(2/)	(2/)	175.7
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	(2/)	(2/)	189.0
1993	144.5	160.1	152.9	166.5	116.5	150.5	197.4	(2/)	(2/)	200.1
1994	148.2	164.5	153.4	171.6	118.7	156.4	206.0	(2/)	(2/)	209.6
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	(2/)	(2/)	216.8
1996	156.9	170.7	156.8	176.8	118.5	167.0	215.0	(2/)	(2/)	226.5
1997	160.5	171.9	159.2	177.1	117.3	166.2	217.3	(2/)	(2/)	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	(3/)	101.6	104.6	289.3
2002	179.9	180.3	171.9	181.2	102.6	170.9	(3/)	99.5	107.8	302.2
2003	184.0	184.5	174.9	186.2	98.5	176.4	(3/)	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	(3/)	97.8	114.3	321.0
2006	201.6	209.4	194.2	222.5	104.4	202.1	(3/)	101.1	114.0	332.1
2007	207.342	219.504	204.942	238.428	104.145	205.027	(3/)	102.572	113.967	347.499
2008	215.303	228.861	216.625	248.700	105.277	213.998	317.955	105.290	117.118	365.441
2009	214.537	230.048	224.317	249.735	112.811	200.296	321.599	105.239	122.843	395.186
2010	218.056	234.869	224.774	251.968	116.423	214.411	320.153	107.484	128.483	415.526
2011	224.939	243.622	232.656	260.606	118.394	229.223	324.180	110.473	132.248	433.536
2012	229.594	249.474	242.786	265.473	121.481	231.275	334.441	113.961	137.276	440.428
2013	232.957	253.924	250.922	269.885	119.011	233.133	345.184	116.818	139.423	447.178
2014	236.736	257.589	256.023	273.499	111.141	236.373	351.763	119.586	143.488	457.958
2015	237.017	260.165	267.041	276.047	108.893	216.756	378.876	121.840	147.869	478.634
2016	240.007	265.283	272.051	283.565	111.736	211.645	400.408	124.872	149.785	484.820
2017	245.120	272.014	277.301	294.510	115.762	217.646	407.384	125.781	144.410	488.990
2018	251.107	277.078	281.796	300.679	110.259	227.694	(3/)	128.651	142.193	497.228
2019	255.657	281.585	287.622	307.889	114.795	223.689	(3/)	130.977	143.547	504.378
1995H1	151.5	166.9	156.5	173.4	118.1	160.0	207.8	(2/)	(2/)	214.4
H2	153.2	169.4	157.1	176.0	116.9	164.9	211.8	(2/)	(2/)	219.2
1996H1	155.8	170.5	156.9	176.8	120.0	166.3	214.9	(2/)	(2/)	220.6
H2	157.9	171.0	156.3	176.8	116.9	167.7	215.0	(2/)	(2/)	232.4
1997H1	159.9	172.1	159.4	177.3	119.8	167.8	215.6	(2/)	(2/)	232.5
H2	161.2	171.8	159.0	177.0	114.8	164.6	219.1	(2/)	(2/)	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	(3/)	101.1	105.8	291.1
2002H1	178.9	180.1	172.3	180.5	106.2	171.7	(3/)	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	(3/)	99.3	111.1	307.0
H2	184.6	185.7	176.0	187.7	97.8	177.7	(3/)	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	(3/)	98.5	115.8	318.6
H2	197.4	200.6	187.1	210.5	100.0	195.1	(3/)	97.0	112.8	323.3
2006H1	200.6	206.4	191.6	216.9	104.1	201.6	(3/)	100.9	114.3	329.5
H2	202.6	212.3	196.8	228.0	104.7	202.6	(3/)	101.3	113.7	334.7
2007H1	205.709	216.620	202.952	233.606	102.648	204.402	(3/)	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
H2	246.163	273.290	279.560	296.390	114.379	218.455	409.514	125.900	144.051	488.111
2018H1	250.089	275.196	280.783	297.758	113.842	226.195	(3/)	126.739	141.143	498.266
H2	252.125	278.960	282.809	303.600	106.676	229.194	(3/)	130.563	143.244	496.189
2019H1	254.412	280.666	287.519	306.722	110.653	223.172	(3/)	132.087	143.708	502.008
H2	256.903	282.503	287.726	309.055	118.937	224.207	(3/)	129.866	143.387	506.748

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.

1/ The U.S. Bureau of Labor Statistics (BLS) renamed the Honolulu CPI to Urban Hawaii CPI starting in 2018. Since there are no changes in the scope and methodology for the CPI data collection, Honolulu CPI continues to be used in this publication for a data consistency purpose.

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

3/ 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 January 14, 2020.

**Table B-14. HONOLULU and U.S. CONSUMER PRICE INDEX,
ALL URBAN CONSUMERS (CPI-U) - Con.**

Period	U.S.	Honolulu 1/								
		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	(2/)	(2/)	9.5
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	(2/)	(2/)	7.6
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	(2/)	(2/)	5.9
1994	2.6	2.7	0.3	3.1	1.9	3.9	4.4	(2/)	(2/)	4.7
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	(2/)	(2/)	3.4
1996	3.0	1.5	0.0	1.2	0.9	2.8	2.5	(2/)	(2/)	4.5
1997	2.3	0.7	1.5	0.2	-1.0	-0.5	1.1	(2/)	(2/)	5.5
1998	1.6	-0.2	-0.1	-0.6	-4.3	-2.2	4.0	(2/)	(2/)	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	(3/)	-1.2	-1.8	3.4
2002	1.6	1.1	1.4	1.2	1.6	-2.1	(3/)	-2.1	3.1	4.5
2003	2.3	2.3	1.7	2.8	-4.0	3.2	(3/)	0.9	4.4	1.8
2004	2.7	3.3	3.0	4.4	2.7	3.4	(3/)	1.9	0.9	1.6
2005	3.4	3.8	3.2	5.6	1.3	5.0	(3/)	-4.4	0.7	2.8
2006	3.2	5.9	4.5	8.4	1.9	5.5	(3/)	3.4	-0.3	3.5
2007	2.8	4.8	5.5	7.2	-0.2	1.4	(3/)	1.5	0.0	4.6
2008	3.8	4.3	5.7	4.3	1.1	4.4	(3/)	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
2017	2.1	2.5	1.9	3.9	3.6	2.8	1.7	0.7	-3.6	0.9
2018	2.4	1.9	1.6	2.1	-4.8	4.6	(3/)	2.3	-1.5	1.7
2019	1.8	1.6	2.1	2.4	4.1	-1.8	(3/)	1.8	1.0	1.4
1996H1	2.8	2.2	0.3	2.0	1.6	3.9	3.4	(2/)	(2/)	2.9
H2	3.1	0.9	-0.5	0.5	0.0	1.7	1.5	(2/)	(2/)	6.0
1997H1	2.6	0.9	1.6	0.3	-0.2	0.9	0.3	(2/)	(2/)	5.4
H2	2.1	0.5	1.7	0.1	-1.8	-1.8	1.9	(2/)	(2/)	5.6
1998H1	1.5	-0.1	0.4	-0.6	-2.8	-2.7	3.2	(2/)	(2/)	9.4
H2	1.6	-0.5	-0.5	-0.7	-5.9	-1.7	4.9	(2/)	(2/)	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	(3/)	-1.5	0.2	3.3
2002H1	1.3	1.1	2.4	1.0	6.5	-2.4	(3/)	-2.2	3.3	4.0
H2	1.9	1.0	0.5	1.5	-3.1	-1.7	(3/)	-1.9	2.7	4.9
2003H1	2.5	1.7	0.8	2.3	-6.6	2.0	(3/)	-0.6	3.9	2.6
H2	2.0	2.9	2.6	3.2	-1.3	4.5	(3/)	2.3	4.7	0.9
2004H1	2.3	3.3	3.3	4.1	3.4	2.9	(3/)	3.3	2.2	0.8
H2	3.0	3.3	2.8	4.6	2.1	3.9	(3/)	0.5	-0.2	2.3
2005H1	3.0	3.1	2.9	4.0	2.2	4.4	(3/)	-4.0	2.0	2.9
H2	3.8	4.5	3.4	7.2	0.1	5.7	(3/)	-4.9	-0.7	2.6
2006H1	3.8	5.8	3.7	8.5	-0.8	7.1	(3/)	2.4	-1.3	3.4
H2	2.6	5.8	5.2	8.3	4.7	3.8	(3/)	4.4	0.8	3.5
2007H1	2.5	5.0	5.9	7.7	-1.4	1.4	(3/)	1.1	-1.2	4.3
H2	3.1	4.8	5.1	6.7	0.9	1.5	(3/)	1.8	1.2	5.0
2008H1	4.2	4.9	4.7	5.6	3.2	5.4	(3/)	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
H2	2.0	2.5	2.9	3.6	1.5	2.8	2.0	0.5	-3.6	0.5
2018H1	2.5	1.6	2.1	1.8	-2.8	4.3	(3/)	0.9	-2.5	1.7
H2	2.4	2.1	1.2	2.4	-6.7	4.9	(3/)	3.7	-0.6	1.7
2019H1	1.7	2.0	2.4	3.0	-2.8	-1.3	(3/)	4.2	1.8	0.8
H2	1.9	1.3	1.7	1.8	11.5	-2.2	(3/)	-0.5	0.1	2.1

Data on U.S. CPI are released monthly and Honolulu CPI, twice a year in February and August for the half (H) year previous through August 2015. Beginning with the 2nd half and annual average for 2015 data were released in January and will be in January and July henceforth.

1/ The U.S. Bureau of Labor Statistics (BLS) renamed the Honolulu CPI to Urban Hawaii CPI starting in 2018. Since there are no changes in the scope and methodology for the CPI data collection, Honolulu CPI continues to be used in this publication for a data consistency purpose.

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

3/ 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 January 14, 2020.

C. TAX REVENUES

The State general fund tax revenues increased in the fourth quarter of 2019 compared to the same quarter of 2018.¹ The Net Individual Income Tax increased the most; followed by the GET, and Transient Accommodations Tax (TAT). The Net Corporate Income Tax decreased in the quarter.

In the fourth quarter of 2019, total tax collections distributed to the State general fund totaled \$1,675.2 million, an increase of \$20.1 million or 1.2 percent over the same quarter of 2018 (Tables C-1 and C-2). In 2019, State general fund tax revenues were up \$383.5 million or 5.5 percent over the previous year.

During the fourth quarter of 2019, GET revenues (excluding the Honolulu County Surcharge) totaled \$864.4 million, an increase of \$18.1 million or 2.1 percent over the same quarter of 2018 (Table C-3). In 2019, GET revenues increased \$175.7 million or 5.1 percent from the previous year.

Compared to the fourth quarter of 2018, Net Individual Income Tax revenues increased \$35.1 million or 6.1 percent to \$612.4 million in the fourth quarter of 2019 (Table C-4). In the fourth quarter of 2019, Declaration of Estimated Taxes decreased \$5.0 million or 6.9 percent (Table

C-5), Payments with Returns increased \$16.3 million or 48.2 percent (Table C-6), Revenues from Withholding Tax on Wages increased \$29.4 million or 5.6 percent (Table C-7), and Refunds increased \$5.6 million or 11.0 percent (Table C-8). In 2019, Net Individual Income Tax collections increased \$147.9 million or 5.8 percent from the previous year.

Net Corporate Income Tax revenues, which tend to be volatile by nature, decreased \$30.0 million or 69.7 percent in the fourth quarter of 2019 from the same quarter of 2018 (Table C-9). In the fourth quarter of 2019, the Declaration of Estimated Taxes increased \$4.9 million or 10.7 percent (Table C-10), the Payment with Returns declined \$6.6 million (Table C-11), and the Refunds increased \$28.9 million or 333.6 percent (Table C-12), compared with the same quarter of 2018. In 2019, Net Corporate Income Tax revenues increased \$22.9 million or 20.0 percent from the previous year.

In the fourth quarter of 2019, Transient Accommodations Tax (TAT) revenues increased \$16.5 million or 13.2 percent compared to the same quarter of 2018 (Table C-13). In 2019, TAT revenues increased \$44.5 million or 7.5 percent from the previous year.

¹ 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
2017	3,349,822	2,285,956	42,128	6,484,975
2018	3,426,525	2,535,656	114,268	6,933,078
2019	3,602,222	2,683,592	137,143	7,316,550
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	1 Qtr. 831,893	556,351	-31,911	1,575,636
	2 Qtr. 822,229	616,196	53,298	1,693,618
	3 Qtr. 901,033	543,027	32,139	1,691,534
	4 Qtr. 794,667	570,382	-11,397	1,524,187
2018	1 Qtr. 959,068	513,448	14,562	1,710,827
	2 Qtr. 740,798	865,605	33,708	1,869,488
	3 Qtr. 880,361	579,322	22,188	1,697,744
	4 Qtr. 846,297	577,281	43,810	1,655,019
2019	1 Qtr. 916,354	524,252	17,491	1,688,188
	2 Qtr. 898,376	887,762	80,188	2,100,839
	3 Qtr. 923,136	659,199	26,198	1,852,368
	4 Qtr. 864,355	612,379	13,267	1,675,155

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.
Source: Hawaii State Department of Taxation and <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	
2017	4.5	7.9	-53.0	4.3	
2018	2.3	10.9	171.2	6.9	
2019	5.1	5.8	20.0	5.5	
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	1 Qtr.	1.7	12.2	(3/)	4.8
	2 Qtr.	2.5	2.4	3.3	1.7
	3 Qtr.	12.5	6.6	73.9	9.4
	4 Qtr.	1.4	11.7	(3/)	1.6
2018	1 Qtr.	15.3	-7.7	(3/)	8.6
	2 Qtr.	-9.9	40.5	-36.8	10.4
	3 Qtr.	-2.3	6.7	-31.0	0.4
	4 Qtr.	6.5	1.2	(3/)	8.6
2019	1 Qtr.	-4.5	2.1	20.1	-1.3
	2 Qtr.	21.3	2.6	137.9	12.4
	3 Qtr.	4.9	13.8	18.1	9.1
	4 Qtr.	2.1	6.1	-69.7	1.2

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.
Source: Hawaii State Department of Taxation and <http://www.hawaii.gov/tax/a5_3txcolrpt.htm>.

D. TOURISM

Visitor arrivals continue to be positive, domestic visitor arrivals and international visitor arrivals both increased in the fourth quarter of 2019. Due to shorter lengths of stay, the daily visitor census increased less than the increase of visitor arrivals in the quarter. Since visitors spent more on a daily basis, total visitor spending increased more than the growth rate of the 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 126,360 or 5.3 percent in the fourth quarter of 2019, compared to the same quarter of 2018 (Tables D-1 and D-2). The total average daily census was up 7,419 or 3.2 percent in the quarter. In 2019, total visitor arrivals by air increased 520,711 or 5.3 percent, while the average daily census increased 6,861 or 2.9 percent from the previous year.

In the fourth quarter of 2019, total visitor arrivals on domestic flights increased 114,633 or 6.9 percent compared to the same quarter of 2018 (Table D-3). In 2019, domestic arrivals were up 514,752 or 7.6 percent from the previous year.

Arrivals on international flights increased 11,727 or 1.6 percent in the fourth quarter of 2019 compared to the fourth quarter of 2018 (Table D-4). In 2019, international arrivals increased 5,959 or 0.2 percent from the previous year.

In terms of major market areas, from the fourth quarter of 2018 to the same period of 2019, arrivals from the U.S. West increased 81,816 or 7.6 percent (Table D-5), arrivals from the U.S. East increased 23,377 or 4.8 percent (Table D-6), and arrivals from Japan increased 18,932 or 5.1 percent (Table D-7). In 2019, arrivals from the U.S. West were up 410,309 or 9.8 percent; arrivals from the U.S. East were up 91,554 or 4.2 percent; and Japanese arrivals were up 56,028 or 3.8 percent from the previous year.

In the fourth quarter of 2019, the length of stay per visitor declined. Due to the shorter length of stay, the

average total daily visitor census increased less than the growth of visitor arrivals in the quarter. The total average daily visitor census was up 3.2 percent or 7,419 visitors per day in the fourth quarter of 2019, over the same quarter of 2018 (Table D-8). The domestic average daily census increased 5.1 percent or 8,597 visitors per day (Table D-9), while the international average daily census decreased 1.9 percent or 1,178 visitors per day (Table D-10). In 2019, the domestic average daily census increased 7,618 or 4.4 percent; and the international average daily census declined 757 or 1.2 percent from the previous year.

Nominal visitor expenditures by air totaled \$4,389.3 million in the fourth quarter of 2019, up 5.3 percent or \$220.8 million from the same quarter of 2018 (Table D-11). In 2019, visitor expenditures increased \$237.8 million or 1.4 percent from the previous year.

Total airline capacity, as measured by the number of available seats flown to Hawaii, increased 4.6 percent or 150,455 seats (Table D-12) in the fourth quarter of 2019. Domestic seats increased 8.8 percent or 198,200 seats (Table D-13) but international seats declined 4.8 percent or 47,745 seats (Table D-14), compared to the same quarter of 2018. In 2019, the number of total available seats increased 2.9 percent or 380,174 seats from the previous year.

In the fourth quarter of 2019, the statewide hotel occupancy rate averaged 79.4 percent, 3.0 percentage points higher than the same quarter of 2018 (Table D-15). In 2019, the statewide hotel occupancy rate averaged 81.2 percent, 0.9 of a percentage point higher than that of the previous year.

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

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

Year	Visitor Arrivals 1/			Average Daily Visitor Census		
	Total	Domestic	International	Total	Domestic	International
1990	6,723,531	4,315,161	2,408,370	154,517	113,066	41,450
1991	6,518,460	4,068,508	2,449,952	147,323	105,686	41,637
1992	6,473,669	3,791,945	2,681,724	152,249	106,589	45,660
1993	6,070,995	3,570,059	2,500,936	147,498	100,430	47,068
1994	6,364,674	3,813,279	2,551,395	156,630	107,904	48,726
1995	6,546,759	3,743,474	2,803,285	157,098	105,649	51,450
1996	6,723,141	3,794,113	2,929,028	158,297	106,404	51,892
1997	6,761,135	3,890,798	2,870,337	157,187	108,019	49,168
1998	6,595,790	4,014,140	2,581,650	157,389	112,068	45,320
1999	6,741,037	4,255,621	2,485,416	164,439	117,998	46,441
2000	6,948,595	4,446,936	2,501,659	168,637	123,442	45,196
2001	6,303,789	4,224,321	2,079,468	158,247	118,106	40,141
2002	6,389,059	4,358,851	2,030,208	160,195	121,029	39,165
2003	6,380,439	4,531,289	1,849,150	161,048	123,389	37,659
2004	6,912,094	4,892,960	2,019,134	171,481	132,355	39,126
2005	7,416,574	5,313,281	2,103,293	185,445	144,396	41,049
2006	7,528,106	5,550,125	1,977,981	189,441	149,545	39,895
2007	7,496,820	5,582,530	1,914,290	189,412	150,960	38,452
2008	6,713,436	4,901,893	1,811,543	172,487	135,239	37,248
2009	6,420,448	4,672,001	1,748,447	165,082	129,100	35,983
2010	6,916,894	4,957,352	1,959,542	177,949	136,407	41,542
2011	7,174,397	5,127,291	2,047,106	185,824	142,027	43,797
2012	7,867,143	5,403,025	2,464,118	201,267	148,887	52,380
2013	8,003,474	5,405,300	2,598,174	202,876	149,213	53,663
2014	8,196,342	5,486,059	2,710,283	206,217	151,076	55,141
2015	8,563,018	5,782,140	2,780,878	213,934	156,026	57,908
2016	8,821,802	5,968,779	2,853,023	217,675	157,953	59,723
2017 2/	9,277,613	6,239,748	3,037,865	229,063	164,273	64,791
2018 2/	9,761,448	6,736,736	3,024,712	240,341	174,611	65,731
2019 2/	10,282,160	7,251,489	3,030,671	247,203	182,229	64,974
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.	2,173,406	1,427,670	745,736	226,150	158,576	67,575
2 Qtr.	2,182,867	1,532,889	649,978	210,576	158,125	52,452
3 Qtr.	2,265,810	1,542,019	723,791	217,543	158,635	58,908
4 Qtr.	2,199,720	1,466,202	733,518	216,446	156,484	59,962
2017 1 Qtr.	2,233,387	1,451,371	782,016	235,110	162,699	72,411
2 Qtr.	2,318,012	1,617,920	700,092	224,262	166,207	58,055
3 Qtr.	2,399,481	1,621,643	777,838	228,534	165,431	63,103
4 Qtr.	2,326,733	1,548,814	777,919	228,427	162,740	65,687
2/ 2018 1 Qtr.	2,428,102	1,614,588	813,514	252,318	176,689	75,629
2 Qtr.	2,457,716	1,752,412	705,304	238,325	178,577	59,749
3 Qtr.	2,484,272	1,719,849	764,423	238,258	174,031	64,227
4 Qtr.	2,391,358	1,649,887	741,471	232,703	169,234	63,469
2/ 2019 1 Qtr.	2,502,636	1,690,889	811,747	254,056	178,976	75,080
2/ 2 Qtr.	2,612,414	1,909,982	702,432	244,782	187,487	57,295
2/ 3 Qtr.	2,649,390	1,886,096	763,294	249,974	184,607	65,367
2/ 4 Qtr.	2,517,718	1,764,520	753,198	240,122	177,831	62,291

1/ Staying overnight or longer.

2/ 2019 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	2.4	1.5	4.3	1.6	1.2	2.8
2015	4.5	5.4	2.6	3.7	3.3	5.0
2016	3.0	3.2	2.6	1.7	1.2	3.1
2017 2/	5.2	4.5	6.5	5.2	4.0	8.5
2018 2/	5.2	8.0	-0.4	4.9	6.3	1.5
2019 2/	5.3	7.6	0.2	2.9	4.4	-1.2
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	0.9	0.1	2.8
2 Qtr.	1.7	1.3	2.8	1.1	0.3	3.5
3 Qtr.	3.1	3.9	1.5	2.6	2.5	2.6
4 Qtr.	3.6	3.8	3.4	2.4	2.1	3.4
2017 1 Qtr.	2.8	1.7	4.9	4.0	2.6	7.2
2 Qtr.	6.2	5.5	7.7	6.5	5.1	10.7
3 Qtr.	5.9	5.2	7.5	5.1	4.3	7.1
4 Qtr.	5.8	5.6	6.1	5.5	4.0	9.5
2/ 2018 1 Qtr.	8.7	11.2	4.0	7.3	8.6	4.4
2 Qtr.	6.0	8.3	0.7	6.3	7.4	2.9
3 Qtr.	3.5	6.1	-1.7	4.3	5.2	1.8
4 Qtr.	2.8	6.5	-4.7	1.9	4.0	-3.4
2/ 2019 1 Qtr.	3.1	4.7	-0.2	0.7	1.3	-0.7
2/ 2 Qtr.	6.3	9.0	-0.4	2.7	5.0	-4.1
2/ 3 Qtr.	6.6	9.7	-0.1	4.9	6.1	1.8
2/ 4 Qtr.	5.3	6.9	1.6	3.2	5.1	-1.9

1/ Staying overnight or longer.

2/ 2019 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.

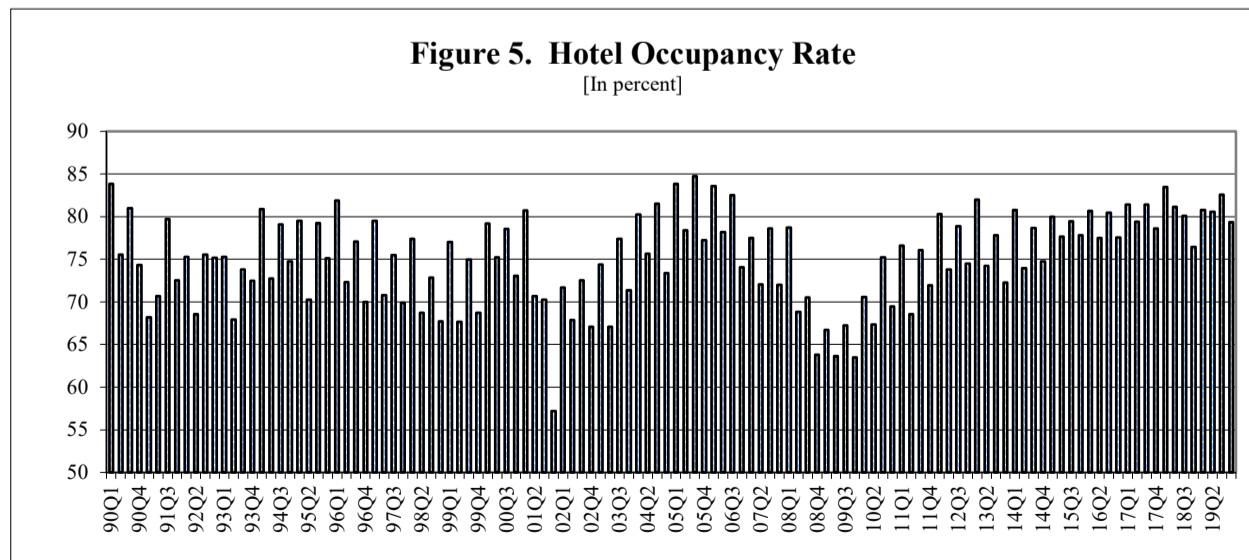
Table D-15. HOTEL OCCUPANCY RATE

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	80.7	77.5	80.5	77.5	79.0
2017	81.4	79.4	81.4	78.6	80.2
2018 1/	83.5	81.1	80.1	76.4	80.3
2019 1/	80.8	80.6	82.6	79.4	81.2

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.

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



E. CONSTRUCTION

The indicators of Hawaii's construction industry were mixed in the fourth quarter of 2019. Private building authorizations, and construction jobs increased, while government contracts awarded and State government CIP expenditures decreased.

Construction has been one of the steady contributors to job growth in Hawaii over the past few years. In the fourth quarter of 2019, the number of jobs in the construction sector increased 4.4 percent or 1,600 jobs compared with the same quarter of 2018. In 2019, the construction sector added 1,000 jobs or 2.8 percent (Table A-7) from 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 fourth quarter of 2019, private building authorizations in the state increased \$136.0 million or 19.0 percent, compared with the fourth quarter of 2018 (Table E-8). In 2019, private building authorizations in the state decreased \$46.8 million or 1.4 percent compared with the previous year.

In the fourth quarter of 2019, private building authorizations in Honolulu increased \$114.2 million or 25.8 percent, compared with the fourth quarter of 2018 (Table E-8). In 2019, private building authorizations in Honolulu increased \$77.6 million or 3.9 percent, compared with the previous year.

In the fourth quarter of 2019, private building authorizations in Hawaii County decreased \$9.3 million or 6.6 percent, compared with the fourth quarter of 2018 (Table E-8). In 2019, private building authorizations in Hawaii County decreased \$26.6 million or 4.6 percent, compared with the previous year.

In the fourth quarter of 2019, private building authorizations in Maui County increased \$20.6 million or 18.3 percent, compared with the fourth quarter of 2018 (Table E-8). In 2019, private building authorizations in Maui County decreased \$76.8 million or 13.7 percent compared with the previous year.

In the fourth quarter of 2019, private building authorizations (residential only) in Kauai County increased \$10.5 million or 48.1 percent, compared with the fourth quarter of 2018 (Table E-8). In 2019, private building authorizations in Kauai County decreased \$21.1 million or 14.6 percent compared with the same period of the previous year.

Government contracts awarded decreased \$280.5 million or 66.2 percent in the fourth quarter of 2019 compared with the same quarter of 2018. In 2019, government contracts awarded declined \$1,354.7 million or 69.5 percent compared with the previous year (Table E-1). State government CIP expenditures decreased \$60.6 million or 16.9 percent in the fourth quarter of 2019 compared with the same quarter of 2018 (Table E-2). In 2019, State government CIP expenditures decreased \$189.0 million or 11.5 percent compared with the previous year.

The Honolulu Construction Cost Index increased 3.3 percent in the fourth quarter of 2019 compared to the same quarter of 2018 for Single Family Residence (Table E-6) and increased 2.3 percent for High-Rise Building (Table E-7). In 2019, the index for Single Family Residence increased 3.1 percent and for High-Rise Building increased 2.8 percent as compared to the previous year.

In the fourth quarter of 2019, Honolulu's median price for single family resales was \$800,000, an increase of \$5,000 or 0.6 percent compared to the same quarter of 2018 (Table E-11). The median price for condominium units was \$428,000, up \$28,000 or 7.0 percent over the same quarter of 2018 (Table E-12). In the fourth quarter of 2019, the number of single-family unit resales increased 14.0 percent, and the number of condominium unit resales increased 1.7 percent, compared with the fourth quarter of 2018 (Tables E-13 and E-14). In 2019, the number of single-family unit resales increased 3.9 percent, and condominium unit resales declined 4.8 percent compared with the previous year.

In 2019, Maui County's single-family unit resales median price was \$741,355 and the condominium unit resales median price was \$515,500 (Tables E-17 and E-18).

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
2017 4/	8,384.4	3,127.8	1,504.7	395.9	1,227.3	1,191.6
2018 4/	9,455.6	3,268.3	1,395.8	402.2	1,470.3	1,948.5
2019 4/	(NA)	3,221.4	1,211.6	352.7	1,657.1	593.8
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
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
2 Qtr.	1,025.0	437.1	276.9	59.3	100.9	133.6
3 Qtr.	1,213.7	497.6	346.6	47.2	103.8	255.7
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
2 Qtr.	1,139.3	716.7	398.1	155.3	163.3	86.0
3 Qtr.	1,179.6	531.0	316.5	87.9	126.6	228.3
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
2 Qtr.	1,128.0	718.9	440.5	50.8	227.6	804.1
3 Qtr.	1,345.9	597.6	366.0	73.0	158.6	187.2
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
2 Qtr.	1,429.8	728.5	450.7	103.4	174.4	105.5
3 Qtr.	1,608.1	1,050.5	662.1	220.1	168.4	314.4
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
2 Qtr.	1,677.1	908.1	451.6	160.7	295.9	174.4
3 Qtr.	1,920.2	1,051.5	460.5	206.5	384.5	220.6
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
2 Qtr.	2,081.1	1,085.7	688.8	222.6	194.2	317.7
3 Qtr.	1,924.9	896.3	412.1	144.3	339.9	255.1
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
2 Qtr.	1,977.5	1,048.5	517.4	154.7	376.5	132.8
3 Qtr.	2,095.9	690.0	346.5	132.3	211.3	351.8
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
2 Qtr.	1,726.6	470.7	160.5	97.3	212.8	197.3
3 Qtr.	1,580.1	558.8	193.4	56.5	308.9	233.8
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
2 Qtr.	1,301.9	537.3	184.9	123.5	228.9	353.7
3 Qtr.	1,487.7	552.4	196.3	84.3	271.8	352.6
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
2 Qtr.	1,443.6	438.4	178.4	47.2	212.7	63.0
3 Qtr.	1,468.2	537.7	206.7	80.2	250.8	124.5
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
2 Qtr.	1,680.8	647.3	246.6	50.6	350.1	280.6
3 Qtr.	1,858.5	686.6	200.2	75.7	410.7	323.3
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
2 Qtr.	1,935.3	714.0	193.3	145.7	375.1	371.0
3 Qtr.	1,844.9	688.4	317.4	27.5	343.6	481.4
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
2 Qtr.	1,766.6	806.5	305.6	80.7	420.2	291.3
3 Qtr.	1,666.4	789.6	230.4	73.8	485.4	394.9
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
2 Qtr.	1,995.3	840.4	412.7	113.9	313.7	680.8
3 Qtr.	2,212.3	892.2	338.3	111.0	442.9	487.1
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
2 Qtr.	2,123.9	960.2	429.6	75.6	455.0	328.9
3 Qtr.	2,196.4	889.4	429.2	39.3	420.9	913.1
4 Qtr.	2,222.5	845.6	366.1	65.9	413.5	256.3
2017 4/ 1 Qtr.	2,170.7	919.5	507.4	101.4	310.7	213.8
2 Qtr.	1,828.3	821.0	359.4	131.4	330.3	236.2
3 Qtr.	2,206.1	722.4	374.1	85.4	262.9	644.3
4 Qtr.	2,179.3	664.9	263.8	77.7	323.4	97.3
2018 4/ 1 Qtr.	2,202.6	699.8	382.4	76.1	241.4	532.4
2 Qtr.	2,326.5	1,108.6	392.0	185.1	531.5	598.4
3 Qtr.	2,521.5	743.2	365.6	70.3	307.3	394.1
4 Qtr.	2,405.1	716.6	255.9	70.7	390.1	423.6
2019 4/ 1 Qtr.	2,349.4	761.0	309.9	46.2	404.9	155.9
2 Qtr.	2,430.3	809.0	323.2	66.5	419.3	129.1
3 Qtr.	2,445.2	798.8	267.0	89.9	441.8	165.6
4 Qtr.	(NA)	852.7	311.5	150.1	391.1	143.2

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.

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
2017 4/	1.2	-3.5	3.9	87.6	-22.4	-28.8
2018 4/	12.8	4.5	-7.2	1.6	19.8	63.5
2019 4/	(NA)	-1.4	-13.2	-12.3	12.7	-69.5
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.	-13.7	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.	20.7	-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/ 1 Qtr.	24.4	68.5	127.5	236.0	6.3	22.1
4/ 2 Qtr.	-13.9	-14.5	-16.3	73.8	-27.4	-28.2
4/ 3 Qtr.	0.4	-18.8	-12.9	117.5	-37.5	-29.4
4/ 4 Qtr.	-1.9	-21.4	-27.9	17.8	-21.8	-62.0
2018 4/ 1 Qtr.	1.5	-23.9	-24.6	-25.0	-22.3	149.1
4/ 2 Qtr.	27.2	35.0	9.1	40.9	60.9	153.3
4/ 3 Qtr.	14.3	2.9	-2.3	-17.6	16.9	-38.8
4/ 4 Qtr.	10.4	7.8	-3.0	-9.1	20.6	335.2
2019 4/ 1 Qtr.	6.7	8.7	-19.0	-39.3	67.8	-70.7
4/ 2 Qtr.	4.5	-27.0	-17.5	-64.1	-21.1	-78.4
4/ 3 Qtr.	-3.0	7.5	-27.0	27.9	43.8	-58.0
4/ 4 Qtr.	(NA)	19.0	21.7	112.5	0.3	-66.2

NA Not available.

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

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

2/ Includes hotels.

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

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

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

F. OTHER INDICATORS

The total number of bankruptcy filings in Hawaii increased 14.6 percent or by 54 cases for the fourth quarter of 2019, from the same quarter of 2018. In 2019, total filings increased 11.4 percent or 175 cases from the previous year.

The number of Chapter 7 filings, the largest category, increased 14.6 percent or 37 cases in the fourth quarter of 2019. Chapter 7 filings are intended to liquidate assets and discharge debt. In 2019, Chapter 7 filings were up 12.7 percent or 131 cases from the previous year.

Chapter 11 filings increased from 2 to 6 case in the fourth quarter of 2019 compared with the fourth quarter of 2018. In 2019, Chapter 11 filings increased to 13 cases from 4 cases in the

previous year. Chapter 11 filings involve the structuring of repayment plans for companies.

Chapter 13 filings increased 10.3 percent or 12 cases in the fourth quarter of 2019, from the same quarter of 2018. In 2019, Chapter 13 filings increased 6.9 percent or 34 cases previous year. Chapter 13 bankruptcy allows debtors to work out repayment arrangements with creditors.

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

For District of Hawaii monthly statistics, see: http://www.hib.uscourts.gov/stats/index_stats.html

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

