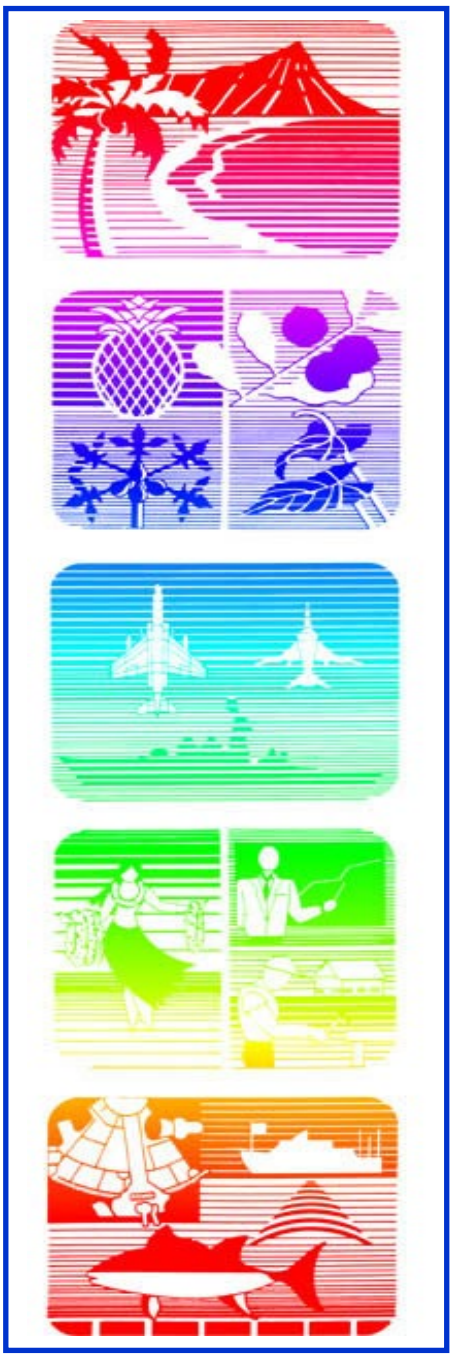

QUARTERLY STATISTICAL & ECONOMIC REPORT,

Executive Summary 1st Quarter 2023

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

TABLE of CONTENTS, Exec Summary

Part I. Economic Trends and Outlook
- State of the Economy 3
- 2022 Quarterly Economic Indicators:
  - Table 1. State 4
- Outlook of the Economy 5
- Actual & Forecast Key Economic Indicators for Hawaii: 2021-2026 6
- County Economic Conditions 7
- 2022 Quarterly Economic Indicators:
  - Table 2. City & County of Honolulu 8
  - Table 3. Hawaii County 9
  - Table 4. Maui County 10
  - Table 5. Kauai County 11

Part II. Economic Overview and Data
- A. Labor Force and Jobs 12
  - A-6. Non-Ag Wage and Salary Jobs 13
- B. Income and Prices 14
  - B-4. Personal Income by Major Sources 15
  - B-14. Honolulu and U.S. CPI-U 16
- C. Tax Revenues 18
  - C-1. General Fund Tax Rev. & Major Comp. 19
- D. Tourism 21
  - D-1. Visitor Arrivals & Aver. Daily Visitor Census- By Air 22
  - D-15. Hotel Occupancy Rate 24
- E. Construction 25
  - E-1. Estim. Value of Completed Construction, New Priv. Bldg Auth & Gov't Contracts Awarded 26
- F. Other Indicators 28

This *Quarterly Statistical and Economic Report* has been prepared by Mary Blewitt, Binsheng Li, and Paul Oshiro with assistance from other 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 March 1, 2023.

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

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

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

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

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STATE OF THE ECONOMY

Hawaii's major economic indicators were mixed in the fourth quarter of 2022. Visitor arrivals, wage and salary jobs, State general fund tax revenues, and private building authorizations all increased in the quarter compared to the fourth quarter of 2021. However, Government contracts awarded decreased in the quarter.

In the fourth quarter of 2022, the total number of visitors arriving by air to Hawaii increased 391,994 or 20.4 percent and daily visitor census increased 32,339 or 16.1 percent.

In the fourth quarter of 2022, the construction sector added 1,600 jobs or 4.4 percent compared with the same quarter of 2021. In the fourth quarter of 2022, the permit value for private construction increased $632.3 million or 95.6 percent; however, the Government contract awarded decreased $3,368.0 million or 86.6 percent, compared with the same quarter of 2021. According to the most recent excise tax base data available, construction put-in-place increased $206.0 million or 8.0 percent in the third quarter of 2022, compared with the same quarter of the previous year. For the first three quarters of 2022 construction put-in-place increased $424.4 million or 5.6 percent compared with the same period of the previous year.

In the fourth quarter of 2022, State general fund tax revenues increased $61.2 million or 3.1 percent over the same period of 2021. The state general excise tax revenue increased $126.4 million or 13.8 percent, the transient accommodations tax (TAT) increased $50.2 million or 37.2 percent, the net corporate income tax revenues increased $11.3 million or 20.2 percent, and the net individual income tax revenues decreased $101.3 million or 14.5 percent. In 2022, State general fund tax revenues increased $1,305.4 million or 16.0 percent compared to the previous year.

Labor market conditions were mainly positive. In the fourth quarter of 2022, Hawaii's non-agricultural wage and salary jobs averaged 625,200 jobs, an increase of 25,600 jobs or 4.3 percent from the same quarter of 2021.

The job increase in the fourth quarter of 2022 was due to job increases in both the private sector and the government sector. In this quarter, the private sector added about 23,400 non-agricultural jobs compared to the fourth quarter of 2021. Most of the private sector industries added jobs in the quarter. The number of jobs increased the most in Food Services and Drinking Places, which added 9,500 jobs or 16.2 percent; followed by Accommodation, which added 6,300 jobs or 19.5 percent, Professional & Business Services, which added 2,500 jobs or 3.6 percent, Natural Resources, Mining, and Construction, which added 1,600 jobs or 4.4 percent, and Health Care and Social Services, which also added 1,600 jobs or 2.2 percent in the quarter. The Government sector added 2,200 jobs or 1.8 percent. The Federal Government added 1,000 jobs or 2.9 percent, the State Government added 900 jobs or 1.3 percent, and the Local Government added 200 jobs or 1.1 percent in the quarter.

In the third quarter of 2022, total annualized nominal GDP increased $5,290 million or 5.6 percent, from the third quarter of 2021. In the first three quarters of 2022, total annualized nominal GDP increased $7,341 million or 8.2 percent from the same period of the previous year. In the third quarter of 2022, total annualized real GDP (in chained 2012 dollars) decreased $836 million or 1.1 percent from the third quarter of 2021. In the first three quarters of 2022, total annualized real GDP increased $1,136 million or 1.5 percent from the same period of the previous year.

In the third quarter of 2022, total non-farm private sector annualized earnings increased $1,685.2 million or 4.0 percent from the third quarter of 2021. In dollar terms, the largest increase occurred in adm. & waste management services; followed by accommodation and food services, transportation and warehousing, and retail trade. During the third quarter of 2022, total government earnings increased $44.7 million or 0.3 percent from the same quarter of 2021. Earnings from the federal government increased $30.1 million. Earnings from the state and local governments increased $14.6 million in the quarter.

In the second half of 2022, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 6.3 percent from the same period in 2021 (Table B-14). This is 1.4 percentage point below the 7.7 percent increase for the U.S. average CPI-U but is higher than the second half of 2021 Honolulu CPI-U increase of 5.0 percent from the same period of the previous year. In the second half of 2022, the Honolulu CPI-U increased the most in Transportation (12.6 percent), followed by Medical Care (10.5 percent), Food and Beverages (7.8 percent), Other Goods and Services (7.8 percent), Housing (4.7 percent), Education and Communication (1.7 percent), Apparel (1.5 percent). The only decline was Recreation (-1.3 percent).

Table 1. 2022 QUARTERLY ECONOMIC INDICATORS: STATE OF HAWAII

SERIES	4th QUARTER			YEAR-TO-DATE		
	2021	2022	% CHANGE YEAR AGO	2021	2022	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	676,200	675,450	-0.1	668,400	673,700	0.8
Civilian employed, NSA	644,400	650,700	1.0	630,200	648,900	3.0
Civilian unemployed, NSA	31,800	24,800	-22.0	38,250	24,800	-35.2
Unemployment rate, NSA (%) 1/ 2/	4.7	3.7	-1.0	5.7	3.7	-2.0
Total wage and salary jobs, NSA	604,600	631,200	4.4	588,500	615,200	4.5
Total non-agric. wage & salary jobs	599,600	625,200	4.3	583,500	609,900	4.5
Nat. Resources, Mining, Constr.	36,300	37,900	4.4	36,800	36,600	-0.5
Manufacturing	12,400	12,500	0.8	12,100	12,400	2.5
Wholesale Trade	16,400	15,800	-3.7	16,300	16,000	-1.8
Retail Trade	65,400	65,600	0.3	63,200	64,400	1.9
Transp., Warehousing, Util.	31,400	32,200	2.5	29,500	31,500	6.8
Information	8,200	9,100	11.0	7,900	8,600	8.9
Financial Activities	27,400	25,400	-7.3	27,100	25,900	-4.4
Professional & Business Services	68,800	71,300	3.6	67,700	69,700	3.0
Educational Services	13,600	14,500	6.6	12,800	13,800	7.8
Health Care & Social Assistance	71,500	73,100	2.2	71,600	71,800	0.3
Arts, Entertainment & Recreation	9,800	10,500	7.1	9,200	10,200	10.9
Accommodation	33,200	39,500	19.0	28,600	37,600	31.5
Food Services & Drinking Places	58,800	68,300	16.2	56,200	64,700	15.1
Other Services	25,000	26,000	4.0	24,300	25,600	5.3
Government	121,500	123,700	1.8	120,200	121,100	0.7
Federal	34,800	35,800	2.9	34,700	35,100	1.2
State	68,400	69,300	1.3	66,900	67,400	0.7
Local	18,300	18,500	1.1	18,600	18,500	-0.5
Agriculture wage and salary jobs	5,000	6,000	20.0	5,000	5,300	6.0
State general fund revenues ($1,000)	1,962,857	2,024,093	3.1	8,137,947	9,443,374	16.0
General excise & use tax rev. ($1,000)	917,969	1,044,373	13.8	3,604,330	4,263,353	18.3
Income-individual ($1,000)	700,201	598,929	-14.5	3,355,884	3,497,207	4.2
Declaration estimated taxes ($1,000)	128,131	117,780	-8.1	1,192,377	1,432,741	20.2
Payment with returns ($1,000)	66,438	89,512	34.7	425,111	535,645	26.0
Withholding tax on wages ($1,000)	587,630	641,098	9.1	2,279,315	2,482,684	8.9
Refunds ('-' relative to State) ($1,000)	-81,998	-249,462	204.2	-540,920	-953,864	76.3
Transient accommodations tax ($1,000)	134,951	185,190	37.2	508,298	830,056	63.3
Honolulu County Surcharge ($1,000) 3/	90,459	105,232	16.3	356,949	414,998	16.3
Private Building Permits ($1,000)	661,153	1,281,156	93.8	3,747,106	3,567,020	-4.8
Residential ($1,000)	338,191	702,253	107.6	1,994,753	1,785,072	-10.5
Commercial & industrial ($1,000)	78,031	88,809	13.8	426,166	369,772	-13.2
Additions & alterations ($1,000)	244,931	490,094	100.1	1,326,187	1,412,176	6.5
Visitor Days - by air	18,480,267	21,455,458	16.1	65,312,274	84,793,833	29.8
Domestic visitor days - by air	17,268,665	18,216,804	5.5	63,473,882	75,397,142	18.8
International visitor days - by air	1,211,602	3,238,654	167.3	1,838,392	9,396,691	411.1
Visitor arrivals by air - by air	1,917,643	2,309,637	20.4	6,777,760	9,152,435	35.0
Domestic flight visitors - by air	1,832,710	1,974,071	7.7	6,656,779	8,247,105	23.9
International flight visitors - by air	84,933	335,566	295.1	120,981	905,330	648.3
Visitor expend. - arrivals by air ($1,000)	4,027,171	4,916,394	22.1	13,126,984	19,251,781	46.7
Hotel occupancy rates (%) 2/	62.4	71.3	8.9	57.5	73.6	16.1

1/ Labor force and jobs are Hawaii DBEDT 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 <https://dbedt.hawaii.gov/economic/>, Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC. 2/24/2023

OUTLOOK FOR THE ECONOMY

Hawaii's economy has been greatly impacted by the COVID-19 pandemic. However, during 2022, Hawaii welcomed a total of 9.2 million visitors, representing an 89.4 percent recovery from 2019. U.S. visitor arrivals by air were 12.9 percent higher than those who came during 2019. International visitors arriving by air recovered 30.3 percent. Through 2022 and measured in current prices, total visitor spending was $19.3 billion, or 8.9 percent higher than the spending during 2019.

Visitor arrivals by air to the State during the fourth quarter of 2022 totaled 2,309,637 an increase of 20.4 percent from the same quarter in 2021. The average daily visitor census increased 16.1 percent in the fourth quarter of 2022.

The value of private building permits showed an increase of 95.6 percent or $632.3 million during the fourth quarter of 2022 compared with the same quarter of the previous year. The value for the residential permits increased by $374.4 million or 111.3 percent from the same period in the previous year; followed by the additions & alterations category, which increased by $245.2 million or 100.1 percent, and the value of commercial & industrial building permits, which increased by $10.8 million or 13.8 percent during the same period. In the fourth quarter of 2022, government contracts awarded decreased $3,368.0 million or 86.6 percent compared with the same quarter of the previous year.

At the national level, U.S. real GDP growth began gradually decreasing from the first quarter of 2022, with 3.7 percent growth over the same quarter of the previous year. This was followed by 1.8 percent growth in the second quarter of 2022, 1.9 percent in the third quarter of 2022, and 0.9 percent in the fourth quarter of 2022 as compared to the same quarters of the previous year. The Blue Chip Economic Indicators report from February 10, 2023, which is the consensus of 50 economic forecasting organizations, projected that the U.S. economic growth rate for 2023 will increase by 0.7 percent. The report projected a positive 1.2 percent U.S. economic growth for 2024. For Hawaii, DBEDT estimates that Hawaii's real gross domestic product (GDP) will increase by 1.7 percent in 2023. The forecast then projects 2.1 percent growth in 2024, 1.9 percent in 2025, and 1.8 percent in 2026.

Hawaii will welcome an estimated 9.8 million visitors in 2023, an increase of 6.0 percent from the 2022 level. Visitor arrivals are projected to increase to 10.1 million in 2024, 10.4 million in 2025, and 10.5 million in 2026. Visitor spending is estimated to increase 7.8 percent in 2023. The forecast then projects an increase of 4.6 percent in 2024, 3.8 percent in 2025, and 3.3 percent in 2026.

Non-agriculture payroll jobs are estimated to increase 3.7 percent in 2023. The forecast projects an increase of 2.1 percent in 2024, 1.9 percent in 2025, and 1.4 percent in 2026.

Overall for 2023, the average annual unemployment rate is estimated to be 3.2 percent. The forecast projects a decrease to 2.9 percent in 2024, 2.7 percent in 2025, and 2.6 percent in 2026. These rates are still higher than Hawaii's average unemployment rate of 2.5 percent from 2017 to 2019.

Nominal personal income is estimated to increase by 3.0 percent in 2023. The forecast then projects an increase of 3.1 percent in 2024, 2.9 percent in 2025 and 3.0 percent in 2026.

Hawaii's consumer inflation rate, as measured by the Honolulu Consumer Price Index for All Urban Consumers, is estimated to increase 3.1 percent in 2023. The forecast then projects an increase 2.4 percent in 2024, 2.2 percent in 2025, and 2.1 percent in 2026.

Hawaii's population is expected to remain the same in 2023, and increase 0.1 percent in 2024, 2025, and 2026.

ACTUAL AND FORECAST OF KEY ECONOMIC INDICATORS FOR HAWAII: 2021 TO 2026

Economic Indicators	2021	2022 1/	2023	2024	2025	2026
	Actual		Forecast			
Total population (thousands) 2/	1,447	1,440	1,440	1,441	1,443	1,445
Visitor arrivals (thousands) 3/	6,778	9,248	9,799	10,130	10,369	10,530
Visitor days (thousands) 3/	65,312	85,265	88,697	90,528	92,037	93,130
Visitor expenditures (million dollars) 3/	13,154	19,315	20,825	21,791	22,623	23,364
Honolulu CPI-U (1982-84=100)	296.8	316.1	326.0	333.7	341.0	348.1
Personal income (million dollars)	87,858	87,206	89,822	92,607	95,293	98,151
Real personal income (millions of 2012$)	67,312	64,272	64,917	65,768	66,457	67,290
Personal income deflator (2012=100)	130.5	135.7	138.4	140.8	143.4	145.9
Non-agricultural wage & salary jobs (thousands)	583.5	609.9	632.5	645.7	658.0	667.2
Civilian unemployment rate	6.0	3.5	3.2	2.9	2.7	2.6
Gross domestic product (million dollars)	91,096	97,745	102,060	106,269	110,203	114,107
Real gross domestic product (millions of 2012$)	74,547	75,846	77,135	78,755	80,251	81,696
Gross domestic product deflator (2012=100)	122.2	128.9	132.3	134.9	137.3	139.7
Annual Percentage Change						
Total population	-0.3	-0.5	0.0	0.1	0.1	0.1
Visitor arrivals	150.3	36.4	6.0	3.4	2.4	1.6
Visitor days	127.9	30.6	4.0	2.1	1.7	1.2
Visitor expenditures	154.8	46.8	7.8	4.6	3.8	3.3
Honolulu CPI-U	3.8	6.5	3.1	2.4	2.2	2.1
Personal income	5.7	-0.7	3.0	3.1	2.9	3.0
Real personal income	1.1	-4.5	1.0	1.3	1.0	1.3
Personal income deflator (2012=100)	4.5	4.0	2.0	2.2	2.0	1.9
Non-agricultural wage & salary jobs	4.2	4.5	3.7	2.1	1.9	1.4
Civilian unemployment rate 4/	-5.7	-2.5	-0.3	-0.3	-0.2	-0.1
Gross domestic product	10.4	7.3	4.4	4.1	3.7	3.5
Real gross domestic product	6.3	1.7	1.7	2.1	1.9	1.8
Gross domestic product deflator (2012=100)	3.8	5.5	2.7	2.0	1.8	1.7

NA Not available or not applicable.

1/ Some of the indicators are preliminary or estimated such as visitor expenditures, personal income, and gross domestic product.

2/ July 1 count.

3/ Visitors who came to Hawaii by air and by cruise ship. Expenditures includes supplementary business expenditures.

4/ Absolute change from previous year.

Source: Hawaii State Department of Business, Economic Development & Tourism, March 2, 2023.

COUNTY ECONOMIC CONDITIONS

Overall economic conditions were mainly positive across the counties in the fourth quarter of 2022. The unemployment rate decreased in all counties, while total non-agricultural wage and salary jobs, total visitor arrivals by air, and the value of private building permits all increased in all counties.

In the fourth quarter of 2022, the unemployment rate in Honolulu decreased 0.9 of a percentage point from 4.4 percent to 3.5 percent; the unemployment rate in Maui County decreased 1.7 percentage point from 5.7 percent to 4.0 percent; the unemployment rate in Hawaii County decreased 0.7 of a percentage point from 4.5 percent to 3.8 percent; and the unemployment rate in Kauai County decreased 1.8 percentage point from 5.9 percent to 4.1 percent.

In the fourth quarter of 2022, Honolulu added 17,400 or 4.0 percent non-agricultural wage and salary jobs compared to the same quarter of 2021. The number of jobs increased the most in Food Services and Drinking Places, which added 7,100 jobs or 17.4 percent. This was followed by Accommodation which added 3,600 jobs or 27.1 percent, Professional & Business Services which added 1,200 jobs or 2.2 percent, Other Services which added 1,100 jobs or 5.9 percent, and Natural Resources, Mining, and Construction which added 1,000 jobs or 3.8 percent in the quarter. The Government sector added 2,100 jobs or 2.2 percent in the quarter.

In the fourth quarter of 2022, Hawaii County added 3,000 or 4.5 percent of non-agricultural wage and salary jobs over the same quarter of 2021. The number of jobs increased the most in Accommodation which added 700 jobs or 12.7 percent and also by Food Services and Drinking Places which added 700 jobs or 11.7 percent, Professional & Business Services which added 500 jobs or 8.5 percent, Arts, Entertainment & Recreation which added 300 jobs or 23.1 percent, and Health Care & Social Assistance which added 300 jobs or 4.0 percent in the quarter. The Government sector added 100 jobs or 0.7 percent in the quarter.

Maui County added 3,300 jobs or a 4.6 percent increase in the fourth quarter of 2022 over the same quarter of 2021. The number of jobs increased the most in Food Services and Drinking Places which added 1,200 jobs or 14.5 percent, and by Accommodation which also added 1,200 jobs or 10.9 percent, Professional & Business Services which added 600 jobs or 9.2 percent, and Health Care & Social Assistance which added 400 jobs or 5.1 percent in the quarter. The Government sector jobs was unchanged in the quarter.

Kauai County added 1,900 jobs or a 6.5 percent increase in the fourth quarter of 2022 over the same quarter of 2021. The number of jobs increased the most in Accommodation which added 600 jobs or 17.1 percent. This was followed by Arts, Entertainment & Recreation which added 500 jobs or 55.6 percent, Food Services and Drinking Places which added 500 jobs or 13.5 percent, Professional & Business Services which added 300 jobs or 11.5 percent, and Natural Resources, Mining, and Construction which added 200 jobs or 9.5 percent in the quarter. The Government sector lost 100 jobs or 2.0 percent in the quarter.

In the fourth quarter of 2022, visitor arrivals by air increased in all counties. Visitor arrivals by air increased 35.3 percent in Honolulu, 13.7 percent in Maui, 22.3 percent in Hawaii County, and 22.3 percent in Kauai compared to the same quarter of 2021.

In the fourth quarter of 2022, the value of private building permits increased in all counties. In the fourth quarter of 2022, private building permits increased $565.9 million or 201.7 percent in Honolulu, increased $27.3 million or 16.8 percent in Maui, increased $17.8 million or 21.3 percent in Hawaii County, and increased $9.0 million or 75.0 percent in Kauai (only residential available) from the same quarter of the previous year.

Table 2. 2022 QUARTERLY ECONOMIC INDICATORS: CITY AND COUNTY OF HONOLULU

SERIES	4th QUARTER			YEAR-TO-DATE		
	2021	2022	% CHANGE YEAR AGO	2021	2022	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	456,900	456,800	0.0	451,650	455,900	0.9
Civilian employed, NSA	436,600	440,600	0.9	427,800	439,900	2.8
Civilian unemployed, NSA	20,350	16,200	-20.4	23,900	15,950	-33.3
Unemployment rate, NSA (%) 1/ 2/	4.4	3.5	-0.9	5.3	3.5	-1.8
Total wage and salary jobs, NSA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	432,500	449,900	4.0	421,800	439,200	4.1
Nat. Resources, Mining, Constr.	26,300	27,300	3.8	26,800	26,500	-1.1
Manufacturing	9,200	9,300	1.1	9,100	9,200	1.1
Wholesale Trade	12,900	12,500	-3.1	12,900	12,700	-1.6
Retail Trade	42,600	42,700	0.2	41,200	41,700	1.2
Transp., Warehousing, Util.	22,900	23,600	3.1	21,500	23,100	7.4
Information	7,000	7,700	10.0	6,700	7,200	7.5
Financial Activities	21,500	19,800	-7.9	21,200	20,200	-4.7
Professional & Business Services	53,700	54,900	2.2	52,800	54,000	2.3
Educational Services	10,800	11,300	4.6	10,100	10,800	6.9
Health Care & Social Assistance	53,400	54,200	1.5	53,400	53,500	0.2
Arts, Entertainment & Recreation	5,800	6,200	6.9	5,400	6,100	13.0
Accommodation	13,300	16,900	27.1	10,800	15,900	47.2
Food Services & Drinking Places	40,700	47,800	17.4	39,100	45,500	16.4
Other Services	18,700	19,800	5.9	18,300	19,300	5.5
Government	93,700	95,800	2.2	92,600	93,600	1.1
Federal	32,200	33,300	3.4	32,100	32,600	1.6
State	49,800	50,700	1.8	48,500	49,200	1.4
Local	11,700	11,800	0.9	11,900	11,800	-0.8
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State general fund revenues ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds ('-' relative to State) ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge ($1,000) 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits ($1,000)	280,625	846,522	201.7	2,254,312	2,010,381	-10.8
Residential ($1,000)	98,941	414,610	319.0	1,043,432	806,252	-22.7
Commercial & industrial ($1,000)	2,502	30,564	1,121.6	110,353	115,058	4.3
Additions & alterations ($1,000)	179,182	401,348	124.0	1,100,527	1,089,070	-1.0
Visitor Days - by air	7,302,275	9,293,850	27.3	26,898,075	36,205,901	34.6
Domestic visitor days - by air	6,792,101	7,233,670	6.5	25,893,464	30,198,440	16.6
International visitor days - by air	510,174	2,060,180	303.8	1,004,611	6,007,461	498.0
Visitor arrivals by air - by air	938,544	1,270,275	35.3	3,326,622	4,864,701	46.2
Domestic flight visitors - by air	892,367	1,000,032	12.1	3,250,596	4,144,647	27.5
International flight visitors - by air	46,177	270,244	485.2	76,026	720,054	847.1
Visitor expend. - arrivals by air ($1,000)	1,734,783	2,215,263	27.7	5,708,675	8,517,287	49.2
Hotel occupancy rates (%) 2/	59.1	73.2	14.1	55.6	75.4	19.8

NA Not available.

1/ Labor force and jobs are Hawaii DBEDT 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 <https://dbedt.hawaii.gov/economic/>, Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC. 2/22/2023

Table 3. 2022 QUARTERLY ECONOMIC INDICATORS: HAWAII COUNTY

SERIES	4th QUARTER			YEAR-TO-DATE		
	2021	2022	% CHANGE YEAR AGO	2021	2022	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	94,400	94,350	-0.1	93,850	93,700	-0.2
Civilian employed, NSA	90,150	90,750	0.7	88,700	90,200	1.7
Civilian unemployed, NSA	4,250	3,600	-15.3	5,150	3,500	-32.0
Unemployment rate, NSA (%) 1/ 2/	4.5	3.8	-0.7	5.5	3.7	-1.8
Total wage and salary jobs, NSA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	66,100	69,100	4.5	64,500	67,200	4.2
Nat. Resources, Mining, Constr.	3,700	3,900	5.4	3,700	3,700	0.0
Manufacturing	1,500	1,500	0.0	1,400	1,500	7.1
Wholesale Trade	1,600	1,500	-6.3	1,600	1,500	-6.3
Retail Trade	9,800	9,800	0.0	9,500	9,800	3.2
Transp., Warehousing, Util.	3,000	3,000	0.0	2,900	2,900	0.0
Information	600	600	0.0	600	600	0.0
Financial Activities	2,200	2,100	-4.5	2,300	2,100	-8.7
Professional & Business Services	5,900	6,400	8.5	5,900	6,200	5.1
Educational Services	1,300	1,400	7.7	1,200	1,300	8.3
Health Care & Social Assistance	7,500	7,800	4.0	7,500	7,500	0.0
Arts, Entertainment & Recreation	1,300	1,600	23.1	1,300	1,500	15.4
Accommodation	5,500	6,200	12.7	5,000	6,000	20.0
Food Services & Drinking Places	6,000	6,700	11.7	5,800	6,400	10.3
Other Services	2,100	2,100	0.0	2,000	2,100	5.0
Government	14,300	14,400	0.7	14,100	14,100	0.0
Federal	1,200	1,200	0.0	1,300	1,200	-7.7
State	10,400	10,500	1.0	10,100	10,200	1.0
Local	2,700	2,700	0.0	2,700	2,700	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State general fund revenues ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds ('-' relative to State) ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge ($1,000) 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits ($1,000)	191,060	208,822	9.3	727,067	855,139	17.6
Residential ($1,000)	111,858	147,059	31.5	425,926	502,342	17.9
Commercial & industrial ($1,000)	58,172	18,413	-68.3	188,639	150,239	-20.4
Additions & alterations ($1,000)	21,030	43,349	106.1	112,502	202,558	80.0
Visitor Days - by air	3,180,124	3,541,382	11.4	10,964,869	13,848,075	26.3
Domestic visitor days - by air	3,035,687	3,247,927	7.0	10,799,284	13,098,508	21.3
International visitor days - by air	144,437	293,456	103.2	165,585	749,566	352.7
Visitor arrivals by air - by air	348,745	426,442	22.3	1,183,458	1,674,208	41.5
Domestic flight visitors - by air	338,911	383,987	13.3	1,172,729	1,566,602	33.6
International flight visitors - by air	9,834	42,456	331.7	10,729	107,606	903.0
Visitor expend. - arrivals by air ($1,000)	586,161	698,915	19.2	1,837,189	2,675,271	45.6
Hotel occupancy rates (%) 2/	69.4	72.8	3.4	60.5	74.9	14.4

NA Not available.

1/ Labor force and jobs are Hawaii DBEDT 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 <https://dbedt.hawaii.gov/economic/>, Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC. 2/22/2023

Table 4. 2022 QUARTERLY ECONOMIC INDICATORS: MAUI COUNTY

SERIES	4th QUARTER 2021	4th QUARTER 2022	4th QUARTER % CHANGE YEAR AGO	YEAR-TO-DATE 2021	YEAR-TO-DATE 2022	YEAR-TO-DATE % CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	88,050	87,300	-0.9	86,950	87,450	0.6
Civilian employed, NSA	83,000	83,800	1.0	80,600	83,750	3.9
Civilian unemployed, NSA	5,050	3,450	-31.7	6,400	3,700	-42.2
Unemployment rate, NSA (%) 1/ 2/	5.7	4.0	-1.7	7.4	4.2	-3.2
Total wage and salary jobs, NSA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	71,700	75,000	4.6	69,100	73,300	6.1
Nat. Resources, Mining, Constr.	4,200	4,300	2.4	4,200	4,200	0.0
Manufacturing	1,100	1,200	9.1	1,000	1,100	10.0
Wholesale Trade	1,400	1,400	0.0	1,400	1,400	0.0
Retail Trade	9,100	9,100	0.0	8,900	9,000	1.1
Transp., Warehousing, Util.	4,000	4,000	0.0	3,700	4,000	8.1
Information	500	600	20.0	500	600	20.0
Financial Activities	2,700	2,700	0.0	2,600	2,700	3.8
Professional & Business Services	6,500	7,100	9.2	6,300	6,800	7.9
Educational Services	1,300	1,300	0.0	1,200	1,300	8.3
Health Care & Social Assistance	7,900	8,300	5.1	7,900	8,000	1.3
Arts, Entertainment & Recreation	1,800	1,300	-27.8	1,700	1,500	-11.8
Accommodation	11,000	12,200	10.9	9,900	11,900	20.2
Food Services & Drinking Places	8,300	9,500	14.5	8,000	9,000	12.5
Other Services	3,200	3,100	-3.1	3,000	3,100	3.3
Government	8,700	8,700	0.0	8,700	8,600	-1.1
Federal	900	900	0.0	900	900	0.0
State	5,200	5,100	-1.9	5,200	5,100	-1.9
Local	2,600	2,700	3.8	2,600	2,600	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State general fund revenues ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds ('-' relative to State) ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge ($1,000) 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits ($1,000)	162,490	189,834	16.8	635,569	572,019	-10.0
Residential ($1,000)	100,413	104,605	4.2	395,237	346,996	-12.2
Commercial & industrial ($1,000)	17,358	39,831	129.5	127,174	104,474	-17.8
Additions & alterations ($1,000)	44,719	45,397	1.5	113,158	120,548	6.5
Visitor Days - by air	5,674,675	6,066,263	6.9	20,443,525	24,279,696	18.8
Domestic visitor days - by air	5,177,191	5,313,579	2.6	19,836,684	22,040,947	11.1
International visitor days - by air	497,484	752,683	51.3	606,841	2,238,749	268.9
Visitor arrivals by air - by air	640,476	728,213	13.7	2,340,915	2,959,886	26.4
Domestic flight visitors - by air	604,548	646,505	6.9	2,298,908	2,721,609	18.4
International flight visitors - by air	35,928	81,708	127.4	42,007	238,278	467.2
Visitor expend. - arrivals by air ($1,000)	1,263,488	1,475,896	16.8	4,176,417	5,877,015	40.7
Hotel occupancy rates (%) 2/	64.6	64.7	0.1	60.3	67.6	7.3

NA Not available.

1/ Labor force and jobs are Hawaii DBEDT 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 <https://dbedt.hawaii.gov/economic/>, Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC. 2/22/2023

Table 5. 2022 QUARTERLY ECONOMIC INDICATORS: KAUAI COUNTY

SERIES	4th QUARTER			YEAR-TO-DATE		
	2021	2022	% CHANGE YEAR AGO	2021	2022	% CHANGE YEAR AGO
Civilian labor force, NSA (persons) 1/	36,800	37,000	0.5	35,950	36,700	2.1
Civilian employed, NSA	34,600	35,500	2.6	33,150	35,050	5.7
Civilian unemployed, NSA	2,200	1,500	-31.8	2,800	1,600	-42.9
Unemployment rate, NSA (%) 1/ 2/	5.9	4.1	-1.8	7.8	4.4	-3.4
Total wage and salary jobs, NSA	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total non-agric. wage & salary jobs	29,400	31,300	6.5	27,900	30,200	8.2
Nat. Resources, Mining, Constr.	2,100	2,300	9.5	2,100	2,200	4.8
Manufacturing	500	600	20.0	500	600	20.0
Wholesale Trade	500	400	-20.0	500	400	-20.0
Retail Trade	3,900	3,900	0.0	3,600	3,900	8.3
Transp., Warehousing, Util.	1,600	1,600	0.0	1,400	1,600	14.3
Information	200	200	0.0	200	200	0.0
Financial Activities	1,000	900	-10.0	1,000	900	-10.0
Professional & Business Services	2,600	2,900	11.5	2,700	2,700	0.0
Educational Services	300	300	0.0	300	300	0.0
Health Care & Social Assistance	2,800	2,800	0.0	2,800	2,800	0.0
Arts, Entertainment & Recreation	900	1,400	55.6	900	1,200	33.3
Accommodation	3,500	4,100	17.1	2,800	3,800	35.7
Food Services & Drinking Places	3,700	4,200	13.5	3,300	3,900	18.2
Other Services	1,000	1,000	0.0	1,000	1,100	10.0
Government	4,900	4,800	-2.0	5,000	4,900	-2.0
Federal	500	500	0.0	600	500	-16.7
State	3,100	3,000	-3.2	3,100	3,000	-3.2
Local	1,300	1,300	0.0	1,300	1,300	0.0
Agriculture wage and salary jobs	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State general fund revenues ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
General excise & use tax rev. ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Income-individual ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Declaration estimated taxes ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Payment with returns ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Withholding tax on wages ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Refunds ('-' relative to State) ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Transient accommodations tax ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Honolulu County Surcharge ($1,000) 3/	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Private Building Permits ($1,000)	26,978	48,281	79.0	130,159	141,785	8.9
Residential ($1,000)	26,978	48,281	79.0	130,159	141,785	8.9
Commercial & industrial ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Additions & alterations ($1,000)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Visitor Days - by air	2,323,193	2,553,962	9.9	7,005,805	10,460,160	49.3
Domestic visitor days - by air	2,263,686	2,421,628	7.0	6,944,451	10,059,246	44.9
International visitor days - by air	59,507	132,334	122.4	61,355	400,914	553.4
Visitor arrivals by air - by air	275,787	337,201	22.3	813,647	1,345,265	65.3
Domestic flight visitors - by air	270,013	314,122	16.3	807,658	1,285,060	59.1
International flight visitors - by air	5,774	23,079	299.7	5,990	60,205	905.2
Visitor expend. - arrivals by air ($1,000)	442,738	526,320	18.9	1,404,703	2,182,208	55.4
Hotel occupancy rates (%) 2/	69.6	75.3	5.7	57.2	77.7	20.4

NA Not available.

1/ Labor force and jobs are Hawaii DBEDT 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.

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Source: Hawaii State Department of Business, Economic Development, & Tourism <https://dbedt.hawaii.gov/economic/>, Hawaii State Department of Taxation <http://www.hawaii.gov/tax/a5_3txcolrpt.htm> and Hospitality Advisors, LLC. 2/22/2023

A. LABOR FORCE AND JOBS

Hawaii's labor market conditions were mostly positive in the fourth quarter of 2022. The civilian labor force and civilian employment increased, while the civilian unemployment and the unemployment rate decreased. Civilian non-agricultural wage and salary jobs increased.

In the fourth quarter of 2022, the civilian labor force averaged 675,450 people, a decrease of 750 people or 0.1 percent from the same quarter of 2021 (Table A-1). In 2022, the civilian labor force increased 5,300 people or 0.8 percent from the previous year.

Civilian employment averaged 650,700 people in the fourth quarter of 2022, an increase of 6,300 people or 1.0 percent compared to the same quarter of 2021 (Table A-2). In 2022, average civilian employment increased 18,700 people or 3.0 percent from the previous year.

In the fourth quarter of 2022, the number of civilian unemployed averaged 24,800, a decrease of 7,000 people or 22.0 percent from the same quarter of 2021 (Table A-3). In 2022, the number of unemployed decreased 13,450 people or 35.2 percent from the previous year.

The unemployment rate (not seasonally adjusted) was 3.7 percent in the fourth quarter of 2022, 1.0 percentage point below the fourth quarter of 2021 (Table A-4). In 2022, the unemployment rate decreased 2.0 percentage points from the previous year's 5.7 percent to 3.7 percent.

In the fourth quarter of 2022, Hawaii's non-agricultural wage and salary jobs averaged 625,200 jobs, an increase of 25,600 jobs or 4.3 percent from the same quarter of 2021 (Table A-6). In 2022, average non-agricultural wage and salary jobs increased 4.5 percent or 26,400 jobs from the previous year.

The job increase in the fourth quarter of 2022 was due to job increases in both the private sector and the government sector. In this quarter, the private sector added about 23,400 non-agricultural jobs compared to the fourth quarter of 2021. Most of the private sector industries added jobs in the quarter. The number of jobs increased the most in Food Services and Drinking Places, which added 9,500 jobs or 16.2 percent (Table A-19); followed by Accommodation, which added 6,300 jobs or 19.0 percent (Table A-18), Professional & Business Services, which added 2,500 jobs or 3.6 percent (Table A-14), Natural Resources, Mining, and Construction, which added 1,600 jobs or 4.4 percent (Table A-7), and Health Care and Social Services, which added 1,600 jobs or 2.2 percent (Table A-16), in the quarter.

The Government sector added 2,200 jobs or 1.8 percent (Table A-21) in the fourth quarter of 2022 compared to the same quarter of 2021. The Federal Government added 1,000 jobs or 2.9 percent (Table A-22), the State Government added 900 jobs or 1.3 percent (Table A-23), and the Local Government added 200 jobs or 1.1 percent (Table A-24), compared to the fourth quarter of 2021.

Table A-6. NON-AGRICULTURAL WAGE AND SALARY

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	537,200	535,900	545,100	539,000
1992	543,000	544,600	538,600	544,700	542,700
1993	540,000	543,600	532,100	539,600	538,800
1994	535,300	538,100	530,500	540,500	536,100
1995	535,800	536,400	526,300	533,400	533,000
1996	531,400	531,500	526,100	534,400	530,900
1997	533,100	533,600	526,600	533,800	531,800
1998	530,000	533,200	528,200	535,000	531,600
1999	528,600	535,200	533,000	545,100	535,500
2000	542,700	552,900	550,000	562,100	551,900
2001	555,650	559,450	554,800	552,350	555,600
2002	548,950	557,400	555,450	567,550	557,300
2003	564,550	567,250	564,750	576,800	568,300
2004	574,500	582,450	581,850	597,600	584,100
2005	592,600	602,450	601,950	613,150	602,500
2006	609,700	618,000	616,400	627,650	617,900
2007	622,150	626,150	621,750	633,000	625,800
2008	626,450	624,900	614,050	615,850	620,300
2009	600,200	595,850	583,950	590,450	592,600
2010	584,500	588,800	582,300	596,600	588,000
2011	590,700	593,900	590,200	604,300	594,800
2012	597,200	607,100	605,600	620,300	607,600
2013	613,000	619,400	616,200	631,300	620,000
2014	624,400	627,800	624,200	637,300	628,500
2015	633,700	637,700	634,800	650,000	639,000
2016	643,000	646,500	645,000	655,700	647,600
2017	652,500	656,100	649,500	661,700	655,000
2018	656,600	658,700	652,000	665,500	658,200
2019	657,400	658,000	653,100	665,800	658,600
2020 2/	660,300	515,200	517,600	546,400	559,900
2021 2/	558,200	583,500	592,600	599,600	583,500
2022	599,000	606,200	609,000	625,200	609,900
Percentage Change from the Same Period in Previous Year					
1991	3.4	1.6	1.9	1.1	2.0
1992	0.9	1.4	0.5	-0.1	0.7
1993	-0.6	-0.2	-1.2	-0.9	-0.7
1994	-0.9	-1.0	-0.3	0.2	-0.5
1995	0.1	-0.3	-0.8	-1.3	-0.6
1996	-0.8	-0.9	0.0	0.2	-0.4
1997	0.3	0.4	0.1	-0.1	0.2
1998	-0.6	-0.1	0.3	0.2	0.0
1999	-0.3	0.4	0.9	1.9	0.7
2000	2.7	3.3	3.2	3.1	3.1
2001	2.4	1.2	0.9	-1.7	0.7
2002	-1.2	-0.4	0.1	2.8	0.3
2003	2.8	1.8	1.7	1.6	2.0
2004	1.8	2.7	3.0	3.6	2.8
2005	3.2	3.4	3.5	2.6	3.2
2006	2.9	2.6	2.4	2.4	2.6
2007	2.0	1.3	0.9	0.9	1.3
2008	0.7	-0.2	-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	1.1	0.9	1.4	1.3	1.2
2012	1.1	2.2	2.6	2.6	2.2
2013	2.6	2.0	1.8	1.8	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	1.5	1.5	0.7	0.9	1.1
2018	0.6	0.4	0.4	0.6	0.5
2019	0.1	-0.1	0.2	0.0	0.1
2020 2/	0.4	-21.7	-20.7	-17.9	-15.0
2021 2/	-15.5	13.3	14.5	9.7	4.2
2022	7.3	3.9	2.8	4.3	4.5

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

2/ 2020 and 2021 data benchmarked in March 2022.

Source: Hawaii State Department of Business, Economic Development & Tourism monthly and annual data <http://dbedt.hawaii.gov/economic/job-count-by-industry/>. Quarterly and Year-to-Date averages calculated by the Hawaii State Department of Business, Economic Development & Tourism.

B. INCOME AND PRICES

In the third quarter of 2022, total annualized nominal GDP increased $5,290 million or 5.6 percent, from the third quarter of 2021. In the first three quarters of 2022, total annualized nominal GDP increased $7,341 million or 8.2 percent from the same period of the previous year. In the third quarter of 2022, total annualized real GDP (in chained 2012 dollars) decreased $836 million or 1.1 percent from the third quarter of 2021. In the first three quarters of 2022, total annualized real GDP increased $1,136 million or 1.5 percent from the same period of the previous year (Tables B-1 to B-3).

Hawaii's total personal income increased slightly during the third quarter of 2022, over the same quarter of 2021; decreased personal current transfer receipts and proprietors' income were less than increased values in other components of personal income in the quarter.

In the third quarter of 2022, total nominal annualized personal income (i.e. not adjusted for inflation) increased $741.0 million or 0.9 percent over that of 2021 (Table B-5). In the first three quarters of 2022, average personal income was $86,820.8 million, a decrease of $1,672.7 million or 1.9 percent from the same period of the previous year. In the third quarter of 2022, personal income per capita was $61,358, a 1.4 percent increase over the same quarter of the previous year (Table B-6).

In the third quarter of 2022, wages and salaries increased $1,723.3 million or 4.2 percent over the same quarter of 2021. In the first three quarters of 2022, wages and salaries increased $3,042.0 million or 7.8 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 $178.2 million or 1.5 percent in the third quarter of 2022 from the same quarter of 2021 (Table B-9). In the first three quarters of 2022, supplements to wages and salaries increased $308.1 million or 2.6 percent from the previous year.

Proprietors' income decreased $147.1 million or 2.2 percent in the third quarter of 2022 over that of 2021 (Table B-10). In the first three quarters of 2022, proprietors' income was up $59.6 million or 0.9 percent from the same period of the previous year.

Dividends, interest, and rent increased $820.8 million or 5.0 percent in the third quarter of 2022 from the same quarter of 2021. In the first three quarters of 2022, income in this category was up $729.3 million or 4.5 percent from the same period of the previous year (Table B-11).

The annualized personal current transfer receipts decreased $1,535.4 million or 8.7 percent in the third quarter of 2022 from the same quarter of 2021 (Table B-12). In the first three quarters of 2022, personal current transfer receipts decreased $5,331.6 million or 24.8 percent from the same period of the previous year.

Contributions to government social insurance (which is subtracted from total personal income, increased $298.8 million or 4.4 percent in the third quarter of 2022 compared to the third quarter of 2021. In the first three quarters of 2022, these contributions increased $480.1 million or 7.3 percent from the same period of the previous year (Table B-13).

In the third quarter of 2022, total non-farm private sector annualized earnings increased $1,685.2 million or 4.0 percent from the third quarter of 2021. In dollar terms, the largest increase occurred in administrative and support & waste management services; followed by accommodation and food services, transportation and warehousing, and retail trade. During the third quarter of 2022, total government earnings increased $44.7 million or 0.3 percent from the same quarter of 2021. Earnings from the federal government increased $30.1 million. Earnings from the state and local governments increased $14.6 million in the quarter.

In the second half of 2022, Honolulu's Consumer Price Index for Urban Consumers (CPI-U) increased 6.3 percent from the same period in 2021 (Table B-14). This is 1.4 percentage point below the 7.7 percent increase for the U.S. average CPI-U but is higher than the second half of 2021 Honolulu CPI-U increase of 5.0 percent from the same period of the previous year. In the second half of 2022, the Honolulu CPI-U increased the most in Transportation (12.6 percent), followed by Medical Care (10.5 percent), Food and Beverages (7.8 percent), Other Goods and Services (7.8 percent), Housing (4.7 percent), Education and Communication (1.7 percent), and Apparel (1.5 percent) compared to the second half of 2021. Recreation decreased 1.3 percent in the second half of 2022.

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

[In $1,000 at seasonally adj. annual rates & percent calculated at quarterly rates. As of *QSER Sept. 2003,* according to NAICS classification]

Series 1/	First Quarter 2022	Second Quarter 2022	Third Quarter 2022	AnnAver 2020	AnnAver 2021	YTD 2021	YTD 2022	Percentage change: Third Quarter 2022 — Third Quarter 2021	Third Quarter 2022 — Second Quarter 2022	Ann Aver 2021 from 2020	YTD 2022 — YTD 2021
PERSONAL INCOME	85,811,331	86,742,935	87,908,083	83,109,524	87,857,663	88,493,451	86,820,783	0.9	1.3	5.7	-1.9
Earnings By Place of Work	59,891,633	60,566,536	61,672,887	53,939,388	57,921,085	57,300,612	60,710,352	2.9	1.8	7.4	6.0
Wages and salaries	41,462,235	42,094,408	42,967,481	36,709,625	39,663,860	39,132,661	42,174,708	4.2	2.1	8.0	7.8
Supplements to wages and salaries	11,886,007	11,940,917	12,109,651	11,141,936	11,691,722	11,670,760	11,978,858	1.5	1.4	4.9	2.6
Emp'er contrib. for emp'ee pension & ins. funds	8,602,760	8,609,052	8,711,107	8,199,564	8,561,872	8,578,919	8,640,973	0.2	1.2	4.4	0.7
Employer contributions for gov't social ins.	3,283,247	3,331,865	3,398,544	2,942,372	3,129,850	3,091,841	3,337,885	4.9	2.0	6.4	8.0
Proprietors' income	6,543,391	6,531,211	6,595,755	6,087,827	6,565,503	6,497,191	6,556,786	-2.2	1.0	7.8	0.9
Farm proprietors' income	-39,248	-51,056	-38,591	-12,188	-29,714	-31,512	-42,965	(2/)	(2/)	(2/)	(2/)
Nonfarm proprietors' income	6,582,639	6,582,267	6,634,346	6,100,015	6,595,217	6,528,703	6,599,751	-2.2	0.8	8.1	1.1
Dividends, interest, and rent	16,710,076	17,043,112	17,254,909	16,077,824	16,367,252	16,273,429	17,002,699	5.0	1.2	1.8	4.5
plus: Personal current transfer receipts	16,126,341	16,153,231	16,137,081	19,329,728	20,193,288	21,470,444	16,138,884	-8.7	-0.1	4.5	-24.8
Social Security benefits	5,415,100	5,455,378	5,493,513	4,784,652	4,994,484	4,972,736	5,454,664	9.7	0.7	4.4	9.7
Medicare benefits	3,336,544	3,351,213	3,383,539	2,977,952	3,231,990	3,207,129	3,357,099	3.6	1.0	8.5	4.7
Medicaid	2,803,369	2,891,042	2,937,112	2,445,353	2,815,492	2,821,961	2,877,174	4.1	1.6	15.1	2.0
State unempl. ins. comp.	158,778	134,548	124,024	3,891,579	2,139,511	2,776,955	139,117	-91.8	-7.8	-45.0	-95.0
All other personal current transfer receipts	4,412,550	4,321,050	4,198,893	5,230,192	7,011,811	7,691,663	4,310,831	-17.2	-2.8	34.1	-44.0
Less: Contributions for gov't social insurance	6,916,719	7,019,944	7,156,794	6,237,416	6,623,962	6,551,035	7,031,152	4.4	1.9	6.2	7.3
Personal contributions for gov't social ins.	3,633,472	3,688,079	3,758,250	3,295,044	3,494,112	3,459,193	3,693,267	3.9	1.9	6.0	6.8
Employer contributions for gov't social ins.	3,283,247	3,331,865	3,398,544	2,942,372	3,129,850	3,091,841	3,337,885	4.9	2.0	6.4	8.0
Earnings By Industry	59,891,633	60,566,536	61,672,887	53,939,388	57,921,085	57,300,612	60,710,352	2.9	1.8	7.4	6.0
Farm Earnings	209,570	204,480	219,869	205,730	204,924	200,892	211,306	12.5	7.5	-0.4	5.2
Nonfarm Earnings	59,682,063	60,362,056	61,453,018	53,733,658	57,716,161	57,099,720	60,499,046	2.9	1.8	7.4	6.0
Private earnings	42,614,101	43,388,159	44,247,533	37,163,414	40,639,902	39,925,932	43,416,598	4.0	2.0	9.4	8.7
Forestry, fishing, & related activities	(D)	(D)	(D)	84,850	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Mining	32,594	32,994	32,896	29,903	29,898	29,579	32,828	13.4	-0.3	0.0	11.0
Utilities	694,920	594,825	600,376	634,740	617,187	638,372	630,040	-7.2	0.9	-2.8	-1.3
Construction	4,601,971	4,674,196	4,692,991	4,594,454	4,676,401	4,636,809	4,656,386	-0.8	0.4	1.8	0.4
Manufacturing	(D)	(D)	(D)	947,207	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Durable goods	(D)	(D)	(D)	335,730	(D)	(D)	(D)	(NA)	(NA)	(NA)	(NA)
Nondurable goods	649,416	663,332	679,017	611,477	623,933	614,347	663,922	5.2	2.4	2.0	8.1
Wholesale trade	1,539,811	1,597,726	1,591,186	1,422,728	1,496,632	1,471,149	1,576,241	2.2	-0.4	5.2	7.1
Retail trade	3,455,229	3,517,993	3,599,992	3,054,362	3,323,729	3,282,035	3,524,405	6.2	2.3	8.8	7.4
Transportation and warehousing	2,853,813	2,816,496	2,886,437	2,223,653	2,397,440	2,339,253	2,852,249	11.4	2.5	7.8	21.9
Information	1,057,488	1,068,627	1,117,074	780,000	983,624	971,738	1,081,063	4.4	4.5	26.1	11.3
Finance and insurance	1,991,702	1,895,537	1,881,824	1,877,783	2,005,530	2,015,304	1,923,021	-3.5	-0.7	6.8	-4.6
Real estate and rental and leasing	2,144,690	2,106,497	2,043,109	1,922,127	2,046,162	2,009,125	2,098,099	-2.5	-3.0	6.5	4.4
Prof., scientific, & technical services	3,682,683	3,751,954	3,803,293	3,250,837	3,535,247	3,499,443	3,745,977	5.4	1.4	8.7	7.0
Management of companies and enterprises	1,051,827	1,113,848	1,134,665	969,434	1,008,892	995,305	1,100,113	7.6	1.9	4.1	10.5
Admin. & waste management services	2,384,129	2,493,218	2,595,156	2,135,171	2,170,618	2,146,148	2,490,834	16.0	4.1	1.7	16.1
Educational services	917,084	931,107	948,459	839,126	916,236	898,934	932,217	2.0	1.9	9.2	3.7
Health care and social assistance	6,639,702	6,608,218	6,716,890	6,259,180	6,502,605	6,431,761	6,654,937	1.9	1.6	3.9	3.5
Arts, entertainment, and recreation	797,584	815,879	853,191	569,328	713,026	669,989	822,218	7.2	4.6	25.2	22.7
Accommodation and food services	5,422,094	5,963,125	6,294,142	3,440,278	4,983,792	4,694,310	5,893,120	5.3	5.6	44.9	25.5
Other services, except public admin.	2,325,085	2,352,762	2,379,988	2,128,253	2,208,217	2,179,617	2,352,612	5.5	1.2	3.8	7.9
Government and government enterprises	17,067,962	16,973,897	17,205,485	16,570,244	17,076,259	17,173,788	17,082,448	0.3	1.4	3.1	-0.5
Federal	9,360,095	9,414,425	9,486,013	8,843,121	9,348,008	9,326,776	9,420,178	0.3	0.8	5.7	1.0
Federal, civilian	4,354,578	4,447,211	4,510,905	4,177,414	4,332,559	4,333,204	4,437,565	3.3	1.4	3.7	2.4
Military	5,005,517	4,967,214	4,975,108	4,665,707	5,015,449	4,993,572	4,982,613	-2.3	0.2	7.5	-0.2
State and local	7,707,867	7,559,472	7,719,472	7,727,123	7,728,251	7,847,012	7,662,270	0.2	2.1	0.0	-2.4

D Not shown to avoid disclosure of confidential information; estimates are included in higher-level totals. NA Not available.

1/ 2022Q1 and 2022Q2 revised from previous *QSER.*

2/ Percentage change involving negative values not meaningful.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, State Quarterly Personal Income, December 23, 2022 <https://apps.bea.gov/itable/?ReqID=70&step=1> accessed December 23, 2022.

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								
		All Items	Food & Beverages	Housing	Apparel	Transpor-tation	Medical Care	Recre-ation	Educ. & Comm.	Other Goods & Services
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	(NA)	(NA)	160.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	(NA)	(NA)	175.7
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	(NA)	(NA)	189.0
1993	144.5	160.1	152.9	166.5	116.5	150.5	197.4	(NA)	(NA)	200.1
1994	148.2	164.5	153.4	171.6	118.7	156.4	206.0	(NA)	(NA)	209.6
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	(NA)	(NA)	216.8
1996	156.9	170.7	156.8	176.8	118.5	167.0	215.0	(NA)	(NA)	226.5
1997	160.5	171.9	159.2	177.1	117.3	166.2	217.3	(NA)	(NA)	239.0
1998	163.0	171.5	159.1	176.0	112.2	162.5	226.1	100.8	99.1	256.1
1999	166.6	173.3	162.9	175.8	105.4	162.2	231.3	101.9	104.5	275.6
2000	172.2	176.3	164.8	177.9	103.5	169.6	239.8	102.8	106.5	279.7
2001	177.1	178.4	169.5	179.1	101.0	174.5	(2/)	101.6	104.6	289.3
2002	179.9	180.3	171.9	181.2	102.6	170.9	(2/)	99.5	107.8	302.2
2003	184.0	184.5	174.9	186.2	98.5	176.4	(2/)	100.4	112.5	307.6
2004	188.9	190.6	180.2	194.3	101.2	182.4	275.9	102.3	113.5	312.4
2005	195.3	197.8	185.9	205.2	102.5	191.6	(2/)	97.8	114.3	321.0
2006	201.6	209.4	194.2	222.5	104.4	202.1	(2/)	101.1	114.0	332.1
2007	207.342	219.504	204.942	238.428	104.145	205.027	(2/)	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	(2/)	128.651	142.193	497.228
2019	255.657	281.585	287.622	307.889	114.795	223.689	(2/)	130.977	143.547	504.378
2020	258.811	286.008	301.370	314.089	113.298	212.767	(2/)	135.660	147.241	498.753
2021	270.970	296.818	312.618	323.600	109.057	237.344	438.199	138.901	151.058	525.471
2022	292.655	316.076	338.162	338.500	110.427	272.141	(2/)	141.639	153.306	558.353
1995H1	151.5	166.9	156.5	173.4	118.1	160.0	207.8	(NA)	(NA)	214.4
H2	153.2	169.4	157.1	176.0	116.9	164.9	211.8	(NA)	(NA)	219.2
1996H1	155.8	170.5	156.9	176.8	120.0	166.3	214.9	(NA)	(NA)	220.6
H2	157.9	171.0	156.3	176.8	116.9	167.7	215.0	(NA)	(NA)	232.4
1997H1	159.9	172.1	159.4	177.3	119.8	167.8	215.6	(NA)	(NA)	232.5
H2	161.2	171.8	159.0	177.0	114.8	164.6	219.1	(NA)	(NA)	245.5
1998H1	162.3	172.0	160.0	176.3	116.4	163.2	222.5	101.4	98.9	254.3
H2	163.7	171.0	158.2	175.7	108.0	161.8	229.8	100.3	99.3	258.0
1999H1	165.4	172.7	162.4	175.5	106.0	162.3	231.0	101.3	102.6	273.9
H2	167.8	173.8	163.5	176.0	104.9	162.0	231.5	102.5	106.4	277.3
2000H1	170.8	175.9	165.5	177.3	104.5	167.7	235.9	103.1	107.3	277.5
H2	173.6	176.7	164.1	178.5	102.6	171.5	243.8	102.6	105.6	281.9
2001H1	176.6	178.1	168.3	178.8	99.7	176.0	246.1	102.1	103.5	287.5
H2	177.5	178.7	170.7	179.3	102.3	173.0	(2/)	101.1	105.8	291.1
2002H1	178.9	180.1	172.3	180.5	106.2	171.7	(2/)	99.9	106.9	299.1
H2	180.9	180.4	171.6	181.9	99.1	170.1	266.5	99.2	108.7	305.3
2003H1	183.3	183.2	173.7	184.7	99.2	175.2	(2/)	99.3	111.1	307.0
H2	184.6	185.7	176.0	187.7	97.8	177.7	(2/)	101.5	113.8	308.2
2004H1	187.6	189.2	179.5	192.2	102.6	180.2	274.8	102.6	113.5	309.6
H2	190.2	191.9	180.9	196.3	99.9	184.6	277.0	102.0	113.6	315.2
2005H1	193.2	195.0	184.7	199.9	104.9	188.2	(2/)	98.5	115.8	318.6
H2	197.4	200.6	187.1	210.5	100.0	195.1	(2/)	97.0	112.8	323.3
2006H1	200.6	206.4	191.6	216.9	104.1	201.6	(2/)	100.9	114.3	329.5
H2	202.6	212.3	196.8	228.0	104.7	202.6	(2/)	101.3	113.7	334.7
2007H1	205.709	216.620	202.952	233.606	102.648	204.402	(2/)	102.058	112.887	343.703
H2	208.976	222.388	206.932	243.250	105.642	205.652	309.195	103.087	115.047	351.295
2008H1	214.429	227.334	212.390	246.676	105.917	215.519	317.380	105.600	115.126	361.286
H2	216.177	230.387	220.859	250.725	104.637	212.477	318.531	104.979	119.110	369.596
2009H1	213.139	228.070	224.747	248.658	114.379	191.723	322.104	105.629	120.937	388.461
H2	215.935	232.026	223.887	250.811	111.244	208.870	321.094	104.848	124.749	401.910
2010H1	217.535	233.822	224.627	250.940	116.564	213.842	321.243	106.585	125.888	406.880
H2	218.576	235.916	224.922	252.995	116.281	214.980	319.064	108.382	131.078	424.172
2011H1	223.598	241.902	230.565	258.121	119.380	228.484	321.891	110.544	130.444	435.239
H2	226.280	245.342	234.747	263.092	117.408	229.962	326.468	110.401	134.052	431.834
2012H1	228.850	248.646	241.047	263.954	122.187	233.236	333.781	113.396	135.804	440.182
H2	230.338	250.303	244.524	266.993	120.775	229.315	335.102	114.526	138.748	440.674
2013H1	232.366	253.202	250.337	269.213	119.349	232.743	343.253	116.347	138.251	446.226
H2	233.548	254.646	251.508	270.557	118.673	233.523	347.116	117.289	140.594	448.131
2014H1	236.384	255.989	252.895	271.656	112.261	237.614	348.133	119.313	141.981	450.011
H2	237.088	259.190	259.151	275.343	110.021	235.132	355.393	119.860	144.995	465.906
2015H1	236.265	257.848	263.610	274.380	109.941	217.288	364.754	120.419	146.406	473.733
H2	237.769	262.482	270.472	277.714	107.845	216.223	392.998	123.261	149.332	483.535
2016H1	238.778	264.038	272.390	281.079	110.769	210.717	399.192	124.456	150.105	483.778
H2	241.237	266.528	271.712	286.052	112.703	212.573	401.624	125.288	149.465	485.863
2017H1	244.076	270.738	275.042	292.629	117.145	216.836	405.254	125.662	144.769	489.868
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	(2/)	126.739	141.143	498.266
H2	252.125	278.960	282.809	303.600	106.676	229.194	(2/)	130.563	143.244	496.189
2019H1	254.412	280.666	287.519	306.722	110.653	223.172	(2/)	132.087	143.708	502.008
H2	256.903	282.503	287.726	309.055	118.937	224.207	(2/)	129.866	143.387	506.748
2020H1	257.557	285.086	295.141	314.817	116.103	213.051	(2/)	135.648	145.073	494.813
H2	260.065	286.931	307.600	313.361	110.493	212.484	437.550	135.671	149.410	502.693
2021H1	266.236	292.475	307.098	320.331	109.694	228.406	435.684	135.097	150.327	518.596
H2	275.703	301.161	318.139	326.870	108.421	246.281	440.714	142.706	151.789	532.346
2022H1	288.347	312.137	333.466	334.694	110.795	267.012	(2/)	142.454	152.254	543.073
H2	296.963	320.016	342.859	342.307	110.059	277.270	486.780	140.823	154.359	573.633

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

NA Not available.

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

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

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (Current Series) <http://data.bls.gov/cgi-bin/dsrv> accessed January 12, 2023, and BLS Honolulu CPI News Releases and <http://www.bls.gov/ro9/cpihono.htm> accessed January 12, 2023.

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

Period	U.S.	Honolulu								
		All Items	Food & Beverages	Housing	Apparel	Transpor-tation	Medical Care	Recre-ation	Educ. & Comm.	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	(1/)	(1/)	9.5
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	(1/)	(1/)	7.6
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	(1/)	(1/)	5.9
1994	2.6	2.7	0.3	3.1	1.9	3.9	4.4	(1/)	(1/)	4.7
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	(1/)	(1/)	3.4
1996	3.0	1.5	0.0	1.2	0.9	2.8	2.5	(1/)	(1/)	4.5
1997	2.3	0.7	1.5	0.2	-1.0	-0.5	1.1	(1/)	(1/)	5.5
1998	1.6	-0.2	-0.1	-0.6	-4.3	-2.2	4.0	(1/)	(1/)	7.2
1999	2.2	1.0	2.4	-0.1	-6.1	-0.2	2.3	1.1	5.4	7.6
2000	3.4	1.7	1.2	1.2	-1.8	4.6	3.7	0.9	1.9	1.5
2001	2.8	1.2	2.9	0.7	-2.4	2.9	(2/)	-1.2	-1.8	3.4
2002	1.6	1.1	1.4	1.2	1.6	-2.1	(2/)	-2.1	3.1	4.5
2003	2.3	2.3	1.7	2.8	-4.0	3.2	(2/)	0.9	4.4	1.8
2004	2.7	3.3	3.0	4.4	2.7	3.4	(2/)	1.9	0.9	1.6
2005	3.4	3.8	3.2	5.6	1.3	5.0	(2/)	-4.4	0.7	2.8
2006	3.2	5.9	4.5	8.4	1.9	5.5	(2/)	3.4	-0.3	3.5
2007	2.8	4.8	5.5	7.2	-0.2	1.4	(2/)	1.5	0.0	4.6
2008	3.8	4.3	5.7	4.3	1.1	4.4	(2/)	2.6	2.8	5.2
2009	-0.4	0.5	3.6	0.4	7.2	-6.4	1.1	0.0	4.9	8.1
2010	1.6	2.1	0.2	0.9	3.2	7.0	-0.4	2.1	4.6	5.1
2011	3.2	3.7	3.5	3.4	1.7	6.9	1.3	2.8	2.9	4.3
2012	2.1	2.4	4.4	1.9	2.6	0.9	3.2	3.2	3.8	1.6
2013	1.5	1.8	3.4	1.7	-2.0	0.8	3.2	2.5	1.6	1.5
2014	1.6	1.4	2.0	1.3	-6.6	1.4	1.9	2.4	2.9	2.4
2015	0.1	1.0	4.3	0.9	-2.0	-8.3	7.7	1.9	3.1	4.5
2016	1.3	2.0	1.9	2.7	2.6	-2.4	5.7	2.5	1.3	1.3
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	(2/)	2.3	-1.5	1.7
2019	1.8	1.6	2.1	2.4	4.1	-1.8	(2/)	1.8	1.0	1.4
2020	1.2	1.6	4.8	2.0	-1.3	-4.9	(2/)	3.6	2.6	-1.1
2021	4.7	3.8	3.7	3.0	-3.7	11.6	(2/)	2.4	2.6	5.4
2022	8.0	6.5	8.2	4.6	1.3	14.7	(2/)	2.0	1.5	6.3
1996H1	2.8	2.2	0.3	2.0	1.6	3.9	3.4	(1/)	(1/)	2.9
H2	3.1	0.9	-0.5	0.5	0.0	1.7	1.5	(1/)	(1/)	6.0
1997H1	2.6	0.9	1.6	0.3	-0.2	0.9	0.3	(1/)	(1/)	5.4
H2	2.1	0.5	1.7	0.1	-1.8	-1.8	1.9	(1/)	(1/)	5.6
1998H1	1.5	-0.1	0.4	-0.6	-2.8	-2.7	3.2	(1/)	(1/)	9.4
H2	1.6	-0.5	-0.5	-0.7	-5.9	-1.7	4.9	(1/)	(1/)	5.1
1999H1	1.9	0.4	1.5	-0.5	-8.9	-0.6	3.8	-0.1	3.7	7.7
H2	2.5	1.6	3.4	0.2	-2.9	0.1	0.7	2.2	7.2	7.5
2000H1	3.3	1.9	1.9	1.0	-1.4	3.3	2.1	1.8	4.6	1.3
H2	3.5	1.7	0.4	1.4	-2.2	5.9	5.3	0.1	-0.8	1.7
2001H1	3.4	1.3	1.7	0.8	-4.6	4.9	4.3	-1.0	-3.5	3.6
H2	2.2	1.1	4.0	0.4	-0.3	0.9	(2/)	-1.5	0.2	3.3
2002H1	1.3	1.1	2.4	1.0	6.5	-2.4	(2/)	-2.2	3.3	4.0
H2	1.9	1.0	0.5	1.5	-3.1	-1.7	(2/)	-1.9	2.7	4.9
2003H1	2.5	1.7	0.8	2.3	-6.6	2.0	(2/)	-0.6	3.9	2.6
H2	2.0	2.9	2.6	3.2	-1.3	4.5	(2/)	2.3	4.7	0.9
2004H1	2.3	3.3	3.3	4.1	3.4	2.9	(2/)	3.3	2.2	0.8
H2	3.0	3.3	2.8	4.6	2.1	3.9	(2/)	0.5	-0.2	2.3
2005H1	3.0	3.1	2.9	4.0	2.2	4.4	(2/)	-4.0	2.0	2.9
H2	3.8	4.5	3.4	7.2	0.1	5.7	(2/)	-4.9	-0.7	2.6
2006H1	3.8	5.8	3.7	8.5	-0.8	7.1	(2/)	2.4	-1.3	3.4
H2	2.6	5.8	5.2	8.3	4.7	3.8	(2/)	4.4	0.8	3.5
2007H1	2.5	5.0	5.9	7.7	-1.4	1.4	(2/)	1.1	-1.2	4.3
H2	3.1	4.8	5.1	6.7	0.9	1.5	(2/)	1.8	1.2	5.0
2008H1	4.2	4.9	4.7	5.6	3.2	5.4	(2/)	3.5	2.0	5.1
H2	3.4	3.6	6.7	3.1	-1.0	3.3	3.0	1.8	3.5	5.2
2009H1	-0.6	0.3	5.8	0.8	8.0	-11.0	1.5	0.0	5.0	7.5
H2	-0.1	0.7	1.4	0.0	6.3	-1.7	0.8	-0.1	4.7	8.7
2010H1	2.1	2.5	-0.1	0.9	1.9	11.5	-0.3	0.9	4.1	4.7
H2	1.2	1.7	0.5	0.9	4.5	2.9	-0.6	3.4	5.1	5.5
2011H1	2.8	3.5	2.6	2.9	2.4	6.8	0.2	3.7	3.6	7.0
H2	3.5	4.0	4.4	4.0	1.0	7.0	2.3	1.9	2.3	1.8
2012H1	2.3	2.8	4.5	2.3	2.4	2.1	3.7	2.6	4.1	1.1
H2	1.8	2.0	4.2	1.5	2.9	-0.3	2.6	3.7	3.5	2.0
2013H1	1.5	1.8	3.9	2.0	-2.3	-0.2	2.8	2.6	1.8	1.4
H2	1.4	1.7	2.9	1.3	-1.7	1.8	3.6	2.4	1.3	1.7
2014H1	1.7	1.1	1.0	0.9	-5.9	2.1	1.4	2.5	2.7	0.8
H2	1.5	1.8	3.0	1.8	-7.3	0.7	2.4	2.2	3.1	4.0
2015H1	-0.1	0.7	4.2	1.0	-2.1	-8.6	4.8	0.9	3.1	5.3
H2	0.3	1.3	4.4	0.9	-2.0	-8.0	10.6	2.8	3.0	3.8
2016H1	1.1	2.4	3.3	2.4	0.8	-3.0	9.4	3.4	2.5	2.1
H2	1.5	1.5	0.5	3.0	4.5	-1.7	2.2	1.6	0.1	0.5
2017H1	2.2	2.5	1.0	4.1	5.8	2.9	1.5	1.0	-3.6	1.3
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	(2/)	0.9	-2.5	1.7
H2	2.4	2.1	1.2	2.4	-6.7	4.9	(2/)	3.7	-0.6	1.7
2019H1	1.7	2.0	2.4	3.0	-2.8	-1.3	(2/)	4.2	1.8	0.8
H2	1.9	1.3	1.7	1.8	11.5	-2.2	(2/)	-0.5	0.1	2.1
2020H1	1.2	1.6	2.7	2.6	4.9	-4.5	(2/)	2.7	0.9	-1.4
H2	1.2	1.6	6.9	1.4	-7.1	-5.2	(2/)	4.5	4.2	-0.8
2021H1	3.4	2.6	4.1	1.8	-5.5	7.2	(2/)	-0.4	3.6	4.8
H2	6.0	5.0	3.4	4.3	-1.9	15.9	0.7	5.2	1.6	5.9
2022H1	8.3	6.7	8.6	4.5	1.0	16.9	(2/)	5.4	1.3	4.7
H2	7.7	6.3	7.8	4.7	1.5	12.6	10.5	-1.3	1.7	7.8

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

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

Source: U.S. Bureau of Labor Statistics, Consumer Price Index-All Urban Consumers (Current Series) <http://data.bls.gov/cgi-bin/dsrv> accessed January 12, 2023, and BLS Honolulu CPI News Releases and <http://www.bls.gov/ro9/cpihono.htm> accessed January 12, 2023.

C. TAX REVENUES

The State general fund tax revenues increased in the fourth quarter of 2022 compared to the same quarter of 2021.[1] Among the components shown, the Transient Accommodations Tax (TAT) increased the most in percentage terms, followed by the Net Corporate Income Tax and the GET. Net Individual Income Tax revenues decreased.

In the fourth quarter of 2022, total tax collections distributed to the State general fund totaled $2,024.1 million, an increase of $61.2 million or 3.1 percent over the same quarter of 2021 (Tables C-1 and C-2). In 2022, State general fund tax revenues increased $1,305.4 million or 16.0 percent over the previous year.

During the fourth quarter of 2022, GET revenues (excluding the Honolulu County Surcharge) totaled $1,044.4 million, an increase of $126.4 million or 13.8 percent over the same quarter of 2021 (Table C-3). In 2022, GET revenues increased $659.0 million or 18.3 percent from the previous year.

Compared to the fourth quarter of 2021, Net Individual Income Tax revenues decreased $101.3 million or 14.5 percent to $598.9 million in the fourth quarter of 2022 (Table C-4). In the fourth quarter of 2022, Declaration of Estimated Taxes decreased $10.4 million or 8.1 percent (Table C-5), Payments with Returns increased $23.1 million or 34.7 percent (Table C-6), Revenues from Withholding Tax on Wages increased $53.5 million or 9.1 percent (Table C-7), and Refunds increased $167.5 million or 204.2 percent (Table C-8). In 2022, Net Individual Income Tax collections increased 141.3 million or 4.2 percent from the previous year.

Net Corporate Income Tax revenues, which tend to be volatile by nature, increased from $55.7 million in the fourth quarter of 2021 to $67.0 million in the fourth quarter of 2022, an increase of $11.3 million (Table C-9). In the fourth quarter of 2022, the Declaration of Estimated Taxes decreased $2.2 million or 3.2 percent (Table C-10), the Payment with Returns decreased $1.2 million or 9.7 percent (Table C-11), and the Refunds decreased $14.6 million or 59.0 percent (Table C-12), compared with the same quarter of 2021. In 2022, Net Corporate Income Tax revenues increased $44.6 million or 18.9 percent from the previous year.

In the fourth quarter of 2022, Transient Accommodations Tax (TAT) revenues increased $50.2 million or 37.2 percent compared to the same quarter of 2021 (Table C-13). In 2022, TAT revenues increased $321.8 million or 37.2 percent from the previous year.

According to the most recent data available, in the third quarter of 2022, the Retailing tax base increased 12.5 percent or $1,328.6 million (Table C-14), the Services tax base increased 13.3 percent or $593.2 million (Table C-15), the Contracting tax base increased 8.0 percent or $206.0 million (Table C-16), and the Hotel Rentals tax base increased 23.2 percent or $409.3 million (Table C-17), compared to the same quarter of the previous year. For the first three quarters of 2022, the Retailing tax base increased 18.7 percent, the Services tax base increased 15.5 percent, the Contracting tax base increased 5.6 percent, and the Hotel Rentals tax base increased 73.8 percent.

[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		1,660,764	1,100,317	48,269	3,172,250
2002		1,679,840	1,059,646	55,373	3,116,029
2003		1,820,498	1,071,356	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	5,259,149
2013		2,907,622	1,745,615	135,338	5,451,640
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	2,263,183	64,901	6,484,975
2018		3,426,525	2,523,786	126,138	6,933,078
2019		3,602,222	2,683,592	137,143	7,316,550
2020		3,038,781	2,597,385	41,288	6,415,089
2021		3,604,330	3,355,884	236,276	8,137,947
2022		4,263,353	3,497,207	280,916	9,443,374
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	274,359	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	1,269,630
2013	1 Qtr.	757,923	351,323	14,909	1,282,926
	2 Qtr.	756,693	516,183	64,584	1,572,719
	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	539,171	35,995	1,691,534
	4 Qtr.	794,667	551,465	7,520	1,524,187
2018	1 Qtr.	959,068	508,708	19,302	1,710,827
	2 Qtr.	740,798	858,475	40,839	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
2020	1 Qtr.	971,273	560,056	-24,900	1,791,047
	2 Qtr.	677,373	528,181	-6,157	1,376,238
	3 Qtr.	696,048	915,885	43,710	1,793,371
	4 Qtr.	694,087	593,262	28,637	1,454,433
2021	1 Qtr.	793,430	657,418	-1,423	1,592,332
	2 Qtr.	896,630	1,188,886	115,757	2,410,125
	3 Qtr.	996,301	809,379	66,202	2,172,633
	4 Qtr.	917,969	700,201	55,741	1,962,857
2022	1 Qtr.	1,016,322	814,226	19,221	2,217,471
	2 Qtr.	1,079,317	1,437,463	114,870	3,005,887
3/	3 Qtr.	1,123,341	646,588	79,829	2,195,923
	4 Qtr.	1,044,373	598,929	66,997	2,024,093

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/ Tax Revenues Distributed to State General Fund revised from previous QSER.

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	1.5
2015		5.4	12.8	16.3	8.4
2016		2.0	3.1	17.3	3.6
2017		4.5	6.8	-27.6	4.3
2018		2.3	11.5	94.4	6.9
2019		5.1	6.3	8.7	5.5
2020		-15.6	-3.2	-69.9	-12.3
2021		18.6	29.2	472.3	26.9
2022		18.3	4.2	18.9	16.0
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/)	13.4
2013	1 Qtr.	6.6	27.0	-55.6	8.1
	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	1.2
2014	1 Qtr.	-1.5	-1.3	(3/)	0.3
	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	5.8	94.8	9.4
	4 Qtr.	1.4	8.0	-79.6	1.6
2018	1 Qtr.	15.3	-8.6	(3/)	8.6
	2 Qtr.	-9.9	39.3	-23.4	10.4
	3 Qtr.	-2.3	7.4	-38.4	0.4
	4 Qtr.	6.5	4.7	482.6	8.6
2019	1 Qtr.	-4.5	3.1	-9.4	-1.3
	2 Qtr.	21.3	3.4	96.4	12.4
	3 Qtr.	4.9	13.8	18.1	9.1
	4 Qtr.	2.1	6.1	-69.7	1.2
2020	1 Qtr.	6.0	6.8	(3/)	6.1
	2 Qtr.	-24.6	-40.5	(3/)	-34.5
	3 Qtr.	-24.6	38.9	66.8	-3.2
	4 Qtr.	-19.7	-3.1	115.9	-13.2
2021	1 Qtr.	-18.3	17.4	(3/)	-11.1
	2 Qtr.	32.4	125.1	(3/)	75.1
	3 Qtr.	43.1	-11.6	51.5	21.1
	4 Qtr.	32.3	18.0	94.6	35.0
2022	1 Qtr.	28.1	23.9	(3/)	39.3
	2 Qtr.	20.4	20.9	-0.8	24.7
3/	3 Qtr.	12.8	-20.1	20.6	1.1
	4 Qtr.	13.8	-14.5	20.2	3.1

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/ Tax Revenues Distributed to State General Fund revised from previous QSER.
4/ Percentage changes involving negative values not meaningful.
Source: Hawaii State Department of Taxation and <http://www.hawaii.gov/tax/a5_3txcolrpt.htm>.

D. TOURISM

Domestic visitor arrivals and international visitor arrivals both increased in the fourth quarter of 2022.

The total number of visitor arrivals by air increased 391,994 or 20.4 percent in the fourth quarter of 2022, compared to the same quarter of 2021 (Table D-2). The total average daily census Increased by 32,339 or 16.1 percent in the quarter. In 2022, total visitor arrivals by air increased 2,374,674 or 35.0 percent, while the average daily census increased 53,374 or 29.8 percent from the previous year.

In the fourth quarter of 2022, total visitor arrivals on domestic flights increased 141,361 or 7.7 percent compared to the same quarter of 2021 (Table D-3). In 2022, domestic arrivals were up 1,590,325 or 23.9 percent from the previous year.

Arrivals on international flights increased 250,633 or 295.1 percent in the fourth quarter of 2022 compared to the fourth quarter of 2021 (Table D-4). In 2022, international arrivals increased 784,349 or 648.3 percent from the previous year.

In terms of major market areas, from the fourth quarter of 2021 to the same period of 2022, arrivals from the U.S. West increased 51,408 or 4.2 percent (Table D-5), arrivals from the U.S. East increased 28,509 or 5.3 percent (Table D-6), and arrivals from Japan increased 82,758 or 1,279.6 percent (Table D-7). In 2022, arrivals from the U.S. West were up 813,237 or 18.2 percent; arrivals from the U.S. East were up 477,995 or 24.0 percent; and Japanese arrivals were up 180,823 or 954.9 percent from the previous year.

The total average daily visitor census was up 16.1 percent or 32,339 visitors per day in the fourth quarter of 2022, over the same quarter of 2021 (Table D-8). The domestic average daily census increased 5.5 percent or 10,306 visitors per day (Table D-9), while the international average daily census increased 167.3 percent or 20,033 visitors per day (Table D-10). In 2022, the domestic average daily census increased 32,666 or 18.8 percent; and the international average daily census inclined 20,708 or 411.1 percent from the same period of the previous year.

Nominal visitor expenditures by air totaled $4,916.4 million in the fourth quarter of 2022, an increase of $889.2 million or 22.1 percent from the fourth quarter of 2021 (Table D-11). In 2022, visitor expenditures totaled $19,251.8 million, an increase of $6,124.8 million or 46.7 percent from the previous year.

Total airline capacity, as measured by the number of available seats flown to Hawaii, increased 2.3 percent or 71,842 seats (Table D-12) in the fourth quarter of 2022, domestic seats decreased 9.3 percent or 269,240 seats (Table D-13); international seats increased 158.1 percent or 341,082 seats (Table D-14), compared to the same quarter of 2021. In 2022, the number of total available seats increased 18.7 percent or 2,010,546 seats; domestic seats increased 7.9 percent or 809,979 seats; and international seats increased 264.5 percent or 1,200,567 seats from the previous year.

In the fourth quarter of 2022, the statewide hotel occupancy rate averaged 71.3 percent, 8.9 percentage points higher than that of the same quarter of 2021 (Table D-15). In 2022, the statewide hotel occupancy rate averaged 73.6 percent, 16.1 percentage points higher than the previous year.

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

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

Year	Visitor Arrivals 1/			Average Daily Visitor Census		
	Total	Domestic	International	**Total**	Domestic	International
1990	6,723,531	4,315,161	2,408,370	154,517	113,066	41,450
1991	6,518,460	4,068,508	2,449,952	147,323	105,686	41,637
1992	6,473,669	3,791,945	2,681,724	152,249	106,589	45,660
1993	6,070,995	3,570,059	2,500,936	147,498	100,430	47,068
1994	6,364,674	3,813,279	2,551,395	156,630	107,904	48,726
1995	6,546,759	3,743,474	2,803,285	157,098	105,649	51,450
1996	6,723,141	3,794,113	2,929,028	158,297	106,404	51,892
1997	6,761,135	3,890,798	2,870,337	157,187	108,019	49,168
1998	6,595,790	4,014,140	2,581,650	157,389	112,068	45,320
1999	6,741,037	4,255,621	2,485,416	164,439	117,998	46,441
2000	6,948,595	4,446,936	2,501,659	168,637	123,442	45,196
2001	6,303,789	4,224,321	2,079,468	158,247	118,106	40,141
2002	6,389,059	4,358,851	2,030,208	160,195	121,029	39,165
2003	6,380,439	4,531,289	1,849,150	161,048	123,389	37,659
2004	6,912,094	4,892,960	2,019,134	171,481	132,355	39,126
2005	7,416,574	5,313,281	2,103,293	185,445	144,396	41,049
2006	7,528,106	5,550,125	1,977,981	189,441	149,545	39,895
2007	7,496,820	5,582,530	1,914,290	189,412	150,960	38,452
2008	6,713,436	4,901,893	1,811,543	172,487	135,239	37,248
2009	6,420,448	4,672,001	1,748,447	165,082	129,100	35,983
2010	6,916,894	4,957,352	1,959,542	177,949	136,407	41,542
2011	7,174,397	5,127,291	2,047,106	185,824	142,027	43,797
2012	7,867,143	5,403,025	2,464,118	201,267	148,887	52,380
2013	8,003,474	5,405,300	2,598,174	202,876	149,213	53,663
2014	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	9,277,613	6,239,748	3,037,865	229,063	164,273	64,791
2018	9,761,448	6,736,736	3,024,712	240,341	174,611	65,731
2019	10,243,165	7,253,806	2,989,359	245,733	182,288	63,445
2020 2/	2,678,073	2,065,689	612,384	77,915	63,921	13,993
2021 2/	6,777,760	6,656,779	120,981	178,938	173,901	5,037
2022 2/	9,152,435	8,247,105	905,330	232,312	206,568	25,744
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
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
2019 1 Qtr.	2,487,105	1,682,020	805,085	251,520	178,065	73,454
2 Qtr.	2,607,041	1,915,973	691,068	244,561	188,140	56,420
3 Qtr.	2,639,669	1,887,558	752,111	247,924	184,744	63,180
4 Qtr.	2,509,350	1,768,255	741,095	239,040	178,173	60,866
2/ 2020 1 Qtr.	2,083,958	1,483,458	600,500	212,108	157,883	54,225
2/ 2 Qtr.	32,731	31,468	1,263	9,758	9,581	177
2/ 3 Qtr.	64,339	61,456	2,883	20,469	19,995	474
2/ 4 Qtr.	497,045	489,307	7,738	70,042	68,657	1,385
2/ 2021 1 Qtr.	847,047	839,458	7,589	103,398	101,408	1,990
2/ 2 Qtr.	1,905,914	1,897,256	8,658	199,230	197,587	1,643
2/ 3 Qtr.	2,107,156	2,087,355	19,801	210,829	207,587	3,241
2/ 4 Qtr.	1,917,643	1,832,710	84,933	200,872	187,703	13,170
2/ 2022 1 Qtr.	1,976,585	1,840,316	136,269	212,568	191,813	20,755
2 Qtr.	2,425,566	2,243,890	181,676	240,481	220,925	19,556
3 Qtr.	2,440,647	2,188,828	251,819	242,647	215,359	27,288
4 Qtr.	2,309,637	1,974,071	335,566	233,211	198,009	35,203

1/ Staying overnight or longer.
2/ 2022 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	5.2	4.5	6.5	5.2	4.0	8.5
2018	5.2	8.0	-0.4	4.9	6.3	1.5
2019	4.9	7.7	-1.2	2.2	4.4	-3.5
2020 2/	-73.9	-71.5	-79.5	-68.3	-64.9	-77.9
2021 2/	153.1	222.3	-80.2	129.7	172.1	-64.0
2022 2/	35.0	23.9	648.3	29.8	18.8	411.1
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
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
2019 1 Qtr.	2.4	4.2	-1.0	-0.3	0.8	-2.9
2 Qtr.	6.1	9.3	-2.0	2.6	5.4	-5.6
3 Qtr.	6.3	9.8	-1.6	4.1	6.2	-1.6
4 Qtr.	4.9	7.2	-0.1	2.7	5.3	-4.1
2/ 2020 1 Qtr.	-16.2	-11.8	-25.4	-15.7	-11.3	-26.2
2/ 2 Qtr.	-98.7	-98.4	-99.8	-96.0	-94.9	-99.7
2/ 3 Qtr.	-97.6	-96.7	-99.6	-91.7	-89.2	-99.2
2/ 4 Qtr.	-80.2	-72.3	-99.0	-70.7	-61.5	-97.7
2/ 2021 1 Qtr.	-59.4	-43.4	-98.7	-51.3	-35.8	-96.3
2/ 2 Qtr.	5,723.0	5,929.2	585.5	1,941.8	1,962.3	829.3
2/ 3 Qtr.	3,175.1	3,296.5	586.8	930.0	938.2	583.9
2/ 4 Qtr.	285.8	274.6	997.6	186.8	173.4	851.1
2/ 2022 1 Qtr.	133.4	119.2	1,695.6	105.6	89.1	943.1
2 Qtr.	27.3	18.3	1,998.4	20.7	11.8	1090.4
3 Qtr.	15.8	4.9	1,171.7	15.1	3.7	741.8
4 Qtr.	20.4	7.7	295.1	16.1	5.5	167.3

1/ Staying overnight or longer.
2/ 2022 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.

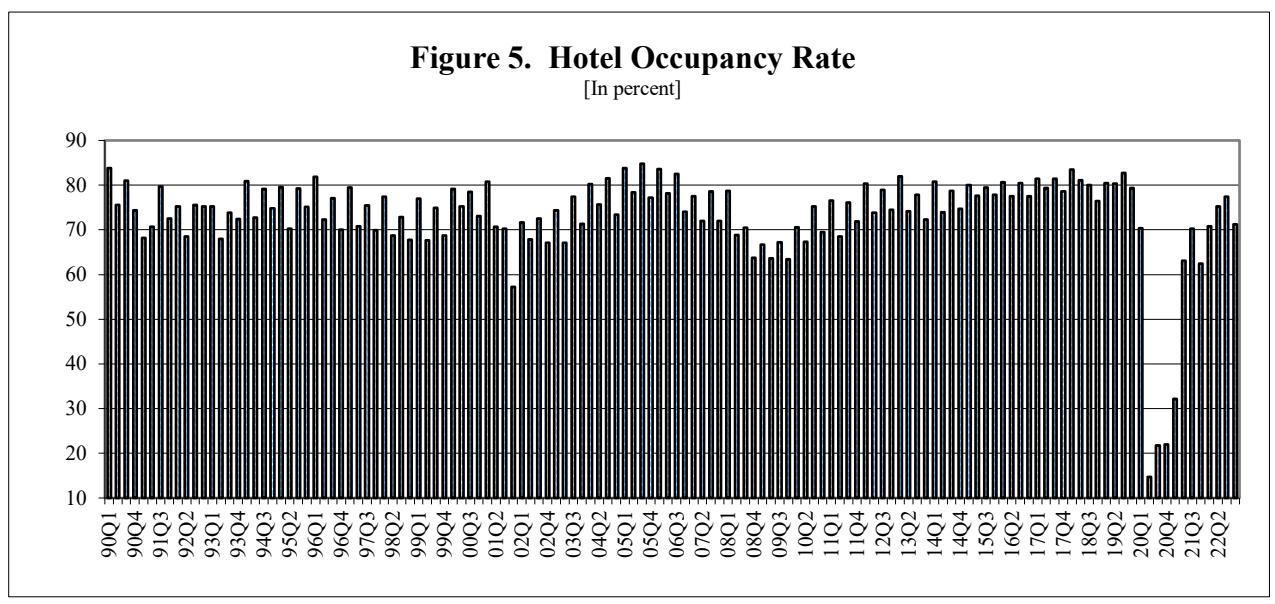
Table D-15. HOTEL OCCUPANCY RATE

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	83.5	81.1	80.1	76.4	80.3
2019	80.5	80.3	82.8	79.6	80.8
2020	70.4	14.7	21.7	22.0	37.1
2021 1/	32.2	63.1	70.2	62.4	57.5
2022 1/	70.8	75.3	77.4	71.3	73.6

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 2022. Construction jobs and private building authorizations increased in the quarter, but Government contracts awarded and State government CIP expenditures decreased.

In the fourth quarter of 2022, the number of jobs in the construction sector increased 4.4 percent or 1,600 jobs compared with the same quarter of 2021. In 2022, the construction sector lost 700 jobs or 1.9 percent (Table A-7) from the previous year.

In the fourth quarter of 2022, private building authorizations in the state increased $620.0 million or 93.8 percent, compared with the fourth quarter of 2021 (Table E-8). In 2022, private building authorizations in the state decreased $180.1 million or 4.8 percent compared with the previous year.

In the fourth quarter of 2022, private building authorizations in Honolulu increased $565.9 million or 201.7 percent, compared with the fourth quarter of 2021 (Table E-8). In 2022, private building authorizations in Honolulu decreased $243.9 million or 10.8 percent, compared with the previous year.

In the fourth quarter of 2022, private building authorizations in Hawaii County increased $17.8 million or 9.3 percent, compared with the fourth quarter of 2021 (Table E-8). In 2022, private building authorizations in Hawaii County increased $128.1 million or 17.6 percent, compared with the previous year.

In the fourth quarter of 2022, private building authorizations in Maui increased $127.3 million or 16.8 percent, compared with the fourth quarter of 2021 (Table E-8). In 2022, private building authorizations in Maui decreased $63.6 million or 10.0 percent compared with the previous year.

In the fourth quarter of 2022, private building authorizations (residential only) in Kauai increased $9.0 million or 33.4 percent, compared with the fourth quarter of 2021 (Table E-8). In 2022, private building authorizations in Kauai County decreased $0.7 million or 0.5 percent compared with the previous year.

In the fourth quarter of 2022, government contracts awarded decreased $3,368.0 million or 86.6 percent, compared with the fourth quarter of 2021 (Table E-1). In 2022, government contracts awarded increased $818.9 million or 15.9 percent compared with the previous year. A Navy contract was awarded in June 2022 that designated Hawaii as 'place of performance' for 95 percent or $945.3 million of the contract. The Navy awarded a $32.4 million contract in August; however, Hawaii was not designated as place of performance.

State government CIP expenditures decreased $4.4 million or 1.4 percent in the fourth quarter of 2022 compared with the same quarter of 2021. In 2022, state government CIP expenditures declined $21.4 million or 1.6 percent from the previous year (Table E-2).

The Honolulu Construction Cost Index for Single Family Residence (Table E-6) increased 6.3 percent in the fourth quarter of 2022 compared to the same quarter of 2021 and similarly increased 6.6 percent for High-Rise Building (Table E-7). In 2022, the index for Single Family Residence increased 6.2 percent and 6.1 percent for High-Rise Building as compared to the previous year.

Average home prices decreased 1.9 percent in the fourth quarter of 2022, with single family home prices down 10.4 percent and condo prices up 5.1 percent over the same quarter of the previous year (Table E-9). The purchase of homes decreased 43.1 percent for local buyers, declined 39.6 percent for mainland buyers, and decreased 31.0 percent for foreign buyers over the same quarter of the previous year (Table E-10).

In the fourth quarter of 2022, Honolulu's median price for single family resales was $1,083,500, up $33,500 or 3.2 percent over the same quarter of 2021 (Table E-11). The median price for condominium units was $500,000, up $5,000 or 1.0 percent over the same quarter of 2021 (Table E-12). In the fourth quarter of 2022, the number of single-family unit resales decreased 45.5 percent, and the number of condominium unit resales decreased 37.1 percent, compared with the fourth quarter of 2021 (Tables E-13 and E-14). In 2022, the number of single-family unit resales decreased 23.2 percent, and condominium unit resales decreased 11.8 percent compared with the previous year.

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
		Total Private Authorizations	Residential 4/	Commercial & Industrial 2/	Additions & Alterations	Contracts Awarded
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	685.8
2004 4/	4,921.5	2,726.5	1,767.7	303.3	655.6	638.2
2005 4/	6,024.0	3,492.0	2,259.3	433.5	799.1	610.8
2006 4/	7,223.3	3,770.1	1,811.8	732.0	1,226.2	633.4
2007 4/	8,072.9	3,585.4	1,855.4	703.9	1,026.2	721.8
2008 4/	7,987.1	2,906.6	1,381.6	427.1	1,097.9	1,439.9
2009 4/	6,641.7	1,998.9	799.2	284.8	914.9	1,398.8
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/	9,609.3	3,221.4	1,211.6	352.7	1,657.1	593.8
2020 4/	9,757.2	3,108.5	1,145.0	478.6	1,484.9	3,080.8
2021 4/	10,108.4	3,747.1	1,994.8	426.2	1,326.2	5,141.8
2022 4/	(NA)	3,579.3	1,797.4	369.8	1,412.2	5,960.8
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
3/ 4 Qtr.	971.8	390.4	197.9	52.9	139.6	92.1
2001 1 Qtr.	920.5	362.5	186.3	96.6	79.6	178.0
2 Qtr.	918.4	423.6	234.3	77.9	111.5	175.7
3 Qtr.	893.2	421.0	256.3	68.3	96.4	113.1
4 Qtr.	1,034.3	378.6	205.6	86.3	86.7	248.9
2002 4/ 1 Qtr.	913.7	336.3	191.7	47.0	97.6	250.8
4/ 2 Qtr.	1,025.0	437.1	276.9	59.3	100.9	133.6
4/ 3 Qtr.	1,213.7	497.6	346.6	47.2	103.8	255.7
4/ 4 Qtr.	1,122.5	501.1	297.7	100.7	102.6	128.2
2003 4/ 1 Qtr.	1,122.3	655.1	326.0	217.9	111.3	168.3
4/ 2 Qtr.	1,139.3	716.7	398.1	155.3	163.3	86.0
4/ 3 Qtr.	1,179.6	531.0	316.5	87.9	126.6	228.3
4/ 4 Qtr.	1,095.1	458.4	304.6	46.4	107.4	150.8
2004 4/ 1 Qtr.	1,143.3	780.8	542.5	107.4	130.8	256.7
4/ 2 Qtr.	1,126.0	718.9	440.5	50.8	227.6	804.1
4/ 3 Qtr.	1,345.9	597.6	366.0	73.0	158.6	187.2
4/ 4 Qtr.	1,306.3	629.3	418.7	72.1	138.5	136.6
2005 4/ 1 Qtr.	1,440.9	706.5	420.3	48.7	237.6	213.6
4/ 2 Qtr.	1,429.8	728.5	450.7	103.4	174.4	105.5
4/ 3 Qtr.	1,608.1	1,050.5	662.1	220.1	168.4	314.4
4/ 4 Qtr.	1,545.1	1,006.4	726.2	61.4	218.8	91.5
2006 4/ 1 Qtr.	1,714.7	766.2	481.1	61.1	224.0	297.2
4/ 2 Qtr.	1,677.1	908.1	451.6	160.7	295.9	174.4
4/ 3 Qtr.	1,920.2	1,051.5	460.5	206.5	384.5	220.6
4/ 4 Qtr.	1,911.3	1,044.2	418.6	303.8	321.8	161.6
2007 4/ 1 Qtr.	1,991.0	737.1	412.1	59.7	265.3	180.1
4/ 2 Qtr.	2,081.1	1,085.7	668.8	222.6	194.2	317.7
4/ 3 Qtr.	1,924.9	896.3	412.1	144.3	339.9	255.1
4/ 4 Qtr.	2,075.9	866.3	362.3	277.2	226.8	116.5
2008 4/ 1 Qtr.	1,885.1	741.1	353.2	94.0	293.9	196.2
4/ 2 Qtr.	1,977.5	1,048.5	517.4	154.7	376.5	132.8
4/ 3 Qtr.	2,095.9	690.0	346.5	132.3	211.3	351.8
4/ 4 Qtr.	2,028.6	426.8	164.5	46.2	216.2	272.0
2009 4/ 1 Qtr.	1,779.9	542.2	276.3	38.8	227.0	167.2
4/ 2 Qtr.	1,726.6	470.7	160.5	97.3	212.8	197.3
4/ 3 Qtr.	1,580.1	558.8	193.4	56.5	308.9	233.8
4/ 4 Qtr.	1,555.1	427.3	169.0	92.1	166.1	180.4
2010 4/ 1 Qtr.	1,427.0	455.3	235.4	53.1	166.9	83.1
4/ 2 Qtr.	1,301.9	537.3	184.9	123.5	228.9	353.7
4/ 3 Qtr.	1,487.7	552.4	196.3	84.3	271.8	352.6
4/ 4 Qtr.	1,373.2	435.3	162.5	116.6	156.2	268.2
2011 4/ 1 Qtr.	1,382.9	380.9	146.8	48.1	186.1	75.4
4/ 2 Qtr.	1,443.6	438.4	178.4	47.2	212.7	63.0
4/ 3 Qtr.	1,468.2	537.7	206.7	80.2	250.8	124.5
4/ 4 Qtr.	1,542.7	501.8	156.1	110.4	235.3	167.7
2012 4/ 1 Qtr.	1,561.4	556.7	145.3	61.5	349.9	71.4
4/ 2 Qtr.	1,680.8	647.3	246.6	50.6	350.1	280.6
4/ 3 Qtr.	1,858.5	686.6	200.2	75.7	410.7	323.3
4/ 4 Qtr.	1,905.5	753.2	245.1	83.3	424.8	97.5
2013 4/ 1 Qtr.	1,847.6	629.1	289.1	46.9	293.0	228.8
4/ 2 Qtr.	1,935.3	714.0	193.3	145.7	375.1	371.0
4/ 3 Qtr.	1,844.9	688.4	317.4	27.5	343.6	481.4
4/ 4 Qtr.	1,702.1	689.0	225.2	76.5	387.3	113.1
2014 4/ 1 Qtr.	1,732.3	758.4	150.6	94.9	512.9	155.7
4/ 2 Qtr.	1,766.6	806.5	305.6	80.7	420.2	291.3
4/ 3 Qtr.	1,666.4	789.6	230.4	73.8	485.4	394.9
4/ 4 Qtr.	1,858.7	960.6	299.3	249.2	412.1	254.7
2015 4/ 1 Qtr.	1,801.4	1,297.6	482.5	383.6	431.5	225.0
4/ 2 Qtr.	1,995.3	840.4	412.7	113.9	313.7	680.8
4/ 3 Qtr.	2,212.3	892.2	338.3	111.0	442.9	487.1
4/ 4 Qtr.	2,103.3	933.4	417.8	94.4	421.2	161.7
2016 4/ 1 Qtr.	1,745.4	545.6	223.1	30.2	292.3	175.0
4/ 2 Qtr.	2,123.9	960.2	429.6	75.6	455.0	328.9
4/ 3 Qtr.	2,196.4	889.4	429.2	39.3	420.9	913.1
4/ 4 Qtr.	2,222.5	845.6	366.1	65.9	413.5	256.3
2017 4/ 1 Qtr.	2,170.7	919.5	507.4	101.4	310.7	213.8
4/ 2 Qtr.	1,828.3	821.0	359.4	131.4	330.3	236.2
4/ 3 Qtr.	2,206.1	722.4	374.1	85.4	262.9	644.3
4/ 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
4/ 2 Qtr.	2,326.5	1,108.6	392.0	185.1	531.5	598.4
4/ 3 Qtr.	2,521.5	743.2	365.6	70.3	307.3	394.1
4/ 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
4/ 2 Qtr.	2,430.3	809.0	323.2	66.5	419.3	129.1
4/ 3 Qtr.	2,445.2	798.8	267.0	89.9	441.8	165.6
4/ 4 Qtr.	2,384.4	852.7	311.5	150.1	391.1	143.2
2020 4/ 5/ 1 Qtr.	2,467.7	784.8	228.7	120.5	435.7	1,342.3
4/ 2 Qtr.	2,243.7	693.1	310.6	133.8	248.8	582.4
4/ 3 Qtr.	2,647.9	843.2	297.1	129.9	416.3	266.5
4/ 4 Qtr.	2,397.9	787.3	308.6	94.5	384.2	889.5
2021 4/ 1 Qtr.	2,339.0	802.7	305.4	116.9	380.4	493.5
4/ 2 Qtr.	2,643.8	1,345.8	818.0	101.8	426.0	274.9
4/ 6/ 3 Qtr.	2,580.6	937.4	533.2	129.4	274.9	483.0
4/ 7/ 4 Qtr.	2,545.1	661.2	338.2	78.0	244.9	3,890.4
2022 4/ 1 Qtr.	2,558.8	868.1	480.3	99.0	288.9	220.5
4/ 8/ 2 Qtr.	2,642.5	634.8	281.2	84.1	269.5	4,230.2
4/ 9/ 3 Qtr.	2,786.5	782.9	321.4	97.9	363.7	987.5
4 Qtr.	(NA)	1,293.5	714.6	88.8	490.1	522.5

NA Not available.

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

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

2/ Includes hotels.

3/ Kauai County Private Building Authorizations data for November consist of residential data only.

4/ Beginning with 2002 Kauai Private Building Authorizations data available for residential only.

5/ In January 2020, the U.S. Navy awarded a $990 million 5-year contract to 7 firms of which 2 were Hawaii firms. Hawaii as 100 percent place of performance (I

6/ In one U.S. Navy September contract, Hawaii was designated 'place of performance' for 40 percent or $200 million and the remainder as other NAVFAC Pacific

7/ In one U.S. Navy November contract Hawaii was designated 'place of performance' for 40 percent or $3.2 billion and the remainder as Washington (state).

8/ In one U.S. Navy June contract, Hawaii was designated 'place of performance' for 95 percent or $945.3 M and the remainder as Wake Island.

9/ In one U.S. Navy August $32.4 M. contract awarded to a Hawaii firm, but Hawaii was not designated as place of performance (POP).

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
		Total Private Authorizations	Residential 4/	Commercial & Industrial 2/	Additions & Alterations	Contracts Awarded
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	-10.7
2004 4/	8.5	15.5	31.4	-40.2	28.9	-6.9
2005 4/	22.4	28.1	27.8	43.0	21.9	-4.3
2006 4/	19.9	8.0	-19.8	68.8	53.4	3.7
2007 4/	11.8	-4.9	2.4	-3.8	-16.3	14.0
2008 4/	-1.1	-18.9	-25.5	-39.3	7.0	99.5
2009 4/	-16.8	-31.2	-42.2	-33.3	-16.7	-2.9
2010 4/	-15.8	-0.9	-2.5	32.5	-10.0	-24.4
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/	1.6	-1.4	-13.2	-12.3	12.7	-69.5
2020 4/	1.5	-3.5	-5.5	35.7	-10.4	418.8
2021 4/	3.6	20.5	74.2	-11.0	-10.7	66.9
2022 4/	(NA)	-4.5	-9.9	-13.2	6.5	15.9
1999 1 Qtr.	-3.3	31.7	19.8	148.2	-17.0	14.1
2 Qtr.	4.3	27.4	26.5	49.4	15.1	-18.0
3 Qtr.	-4.5	6.1	22.4	15.9	-15.6	-32.8
4 Qtr.	0.7	38.9	49.0	-13.1	57.7	-15.1
2000 1 Qtr.	19.9	2.6	43.6	-51.0	14.4	22.4
2 Qtr.	17.9	25.0	27.0	0.8	41.3	-7.6
3 Qtr.	18.0	20.2	35.0	-7.4	15.3	175.4
3/ 4 Qtr.	27.2	11.9	8.4	17.6	15.0	-40.9
2001 1 Qtr.	4.9	3.0	-8.3	57.6	-8.8	-18.0
2 Qtr.	5.7	7.8	20.2	6.8	-10.9	81.9
3 Qtr.	-0.2	11.5	25.6	15.5	-15.6	-72.1
4 Qtr.	6.4	-3.0	3.9	63.3	-37.9	170.2
2002 4/ 1 Qtr.	-0.7	-7.2	2.9	-51.4	22.6	40.9
4/ 2 Qtr.	11.6	3.2	18.2	-23.8	-9.5	-24.0
4/ 3 Qtr.	35.9	18.2	35.2	-31.0	7.7	126.1
4/ 4 Qtr.	8.5	32.4	44.8	16.7	18.4	-48.5
2003 4/ 1 Qtr.	22.8	94.8	70.0	364.0	14.0	-32.9
4/ 2 Qtr.	11.2	64.0	43.8	161.6	61.9	-35.6
4/ 3 Qtr.	-2.8	6.7	-8.7	86.3	22.0	-10.7
4/ 4 Qtr.	-2.4	-8.5	2.3	-53.9	4.7	17.6
2004 4/ 1 Qtr.	1.9	19.2	66.4	-50.7	17.6	52.5
4/ 2 Qtr.	-1.2	0.3	10.6	-67.3	39.4	835.0
4/ 3 Qtr.	14.1	12.5	15.7	-17.0	25.3	-18.0
4/ 4 Qtr.	19.3	37.3	37.5	55.2	29.0	-9.4
2005 4/ 1 Qtr.	26.0	-9.5	-22.5	-54.7	81.6	-16.8
4/ 2 Qtr.	27.0	1.3	2.3	103.7	-23.4	-86.9
4/ 3 Qtr.	19.5	75.8	80.9	201.6	6.2	68.0
4/ 4 Qtr.	18.3	59.9	73.4	-14.8	57.9	-33.0
2006 4/ 1 Qtr.	19.0	8.5	14.5	25.6	-5.7	39.1
4/ 2 Qtr.	17.3	24.7	0.2	55.4	69.6	65.3
4/ 3 Qtr.	19.4	0.1	-30.4	-6.2	128.4	-29.8
4/ 4 Qtr.	23.7	3.8	-42.3	394.5	47.1	76.6
2007 4/ 1 Qtr.	16.1	-3.8	-14.3	-2.3	18.4	-39.4
4/ 2 Qtr.	24.1	19.6	48.1	38.6	-34.4	82.1
4/ 3 Qtr.	0.2	-14.8	-10.5	-30.1	-11.6	15.7
4/ 4 Qtr.	8.6	-17.0	-13.4	-8.7	-29.5	-27.9
2008 4/ 1 Qtr.	-5.3	0.5	-14.3	57.4	10.8	8.9
4/ 2 Qtr.	-5.0	-3.4	-22.6	-30.5	93.8	-58.2
4/ 3 Qtr.	8.9	-23.0	-15.9	-8.3	-37.8	37.9
4/ 4 Qtr.	-2.3	-50.7	-54.6	-83.3	-4.7	133.4
2009 4/ 1 Qtr.	-5.6	-26.8	-21.8	-58.7	-22.8	-14.8
4/ 2 Qtr.	-12.7	-55.1	-69.0	-37.1	-43.5	48.5
4/ 3 Qtr.	-24.6	-19.0	-44.2	-57.3	46.2	-33.5
4/ 4 Qtr.	-23.3	0.1	2.8	99.3	-23.1	-33.7
2010 4/ 1 Qtr.	-19.8	-16.0	-14.8	36.7	-26.5	-50.3
4/ 2 Qtr.	-24.6	14.2	15.2	26.9	7.6	79.3
4/ 3 Qtr.	-5.8	-1.2	1.5	49.1	-12.0	50.8
4/ 4 Qtr.	-11.7	1.9	-3.9	26.6	-6.0	48.7
2011 4/ 1 Qtr.	-3.1	-16.4	-37.7	-9.5	11.5	-9.2
4/ 2 Qtr.	10.9	-18.4	-3.5	-61.8	-7.1	-82.2
4/ 3 Qtr.	-1.3	-2.7	5.3	-4.8	-7.7	-64.7
4/ 4 Qtr.	12.3	15.3	-3.9	-5.3	50.6	-37.4
2012 4/ 1 Qtr.	12.9	46.2	-1.0	27.9	88.1	-5.3
4/ 2 Qtr.	16.4	47.7	38.2	7.2	64.6	345.3
4/ 3 Qtr.	26.6	27.7	-3.1	-5.6	63.8	159.6
4/ 4 Qtr.	23.5	50.1	57.0	-24.6	80.5	-41.9
2013 4/ 1 Qtr.	18.3	13.0	99.0	-23.7	-16.3	220.2
4/ 2 Qtr.	15.1	10.3	-21.6	187.8	7.1	32.2
4/ 3 Qtr.	-0.7	0.3	58.6	-63.7	-16.3	48.9
4/ 4 Qtr.	-10.7	-8.5	-8.1	-8.2	-8.8	16.0
2014 4/ 1 Qtr.	-6.2	20.6	-47.9	102.3	75.0	-31.9
4/ 2 Qtr.	-8.7	12.9	58.1	-44.6	12.0	-21.5
4/ 3 Qtr.	-9.7	14.7	-27.4	168.5	41.3	-18.0
4/ 4 Qtr.	9.2	39.4	32.9	225.8	6.4	125.2
2015 4/ 1 Qtr.	4.0	71.1	220.3	304.3	-15.9	44.5
4/ 2 Qtr.	12.9	4.2	35.1	41.2	-25.3	133.7
4/ 3 Qtr.	32.8	13.0	46.8	50.3	-8.8	23.4
4/ 4 Qtr.	13.2	-2.8	39.6	-62.1	2.2	-36.5
2016 4/ 1 Qtr.	-3.1	-58.0	-53.8	-92.1	-32.3	-22.2
4/ 2 Qtr.	6.4	14.3	4.1	-33.7	45.0	-51.7
4/ 3 Qtr.	-0.7	-0.3	26.9	-64.6	-5.0	87.5
4/ 4 Qtr.	5.7	-9.4	-12.4	-30.1	-1.8	58.5
2017 4/ 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.	-0.9	19.0	21.7	112.5	0.3	-66.2
2020 4/ 5/ 1 Qtr.	5.0	3.1	-26.2	160.9	7.6	760.8
4/ 2 Qtr.	-7.7	-14.3	-3.9	101.2	-40.7	351.2
4/ 3 Qtr.	8.3	5.6	11.3	44.4	-5.8	61.0
4/ 4 Qtr.	0.6	-7.7	-0.9	-37.1	-1.8	521.3
2021 4/ 1 Qtr.	-5.2	2.3	33.5	-2.9	-12.7	-63.2
4/ 2 Qtr.	17.8	94.2	163.4	-23.9	71.2	-52.8
4/ 6/ 3 Qtr.	-2.5	11.2	79.4	-0.4	-34.0	81.2
4/ 7/ 4 Qtr.	6.1	-16.0	9.6	-17.4	-36.3	337.4
2022 4/ 1 Qtr.	9.4	8.2	57.3	-15.3	-24.1	-55.3
4/ 8/ 2 Qtr.	0.0	-52.8	-65.6	-17.4	-36.7	1,438.7
4/ 9/ 3 Qtr.	8.0	-16.5	-39.7	-24.3	32.3	104.5
4/ 4 Qtr.	(NA)	95.6	111.3	13.8	100.1	-86.6

NA Not available.

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

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

2/ Includes hotels.

3/ Kauai County Private Building Authorizations data for November consist of residential data only.

4/ Beginning with 2002 Kauai Private Building Authorizations data available for residential only.

5/ In January 2020, the U.S. Navy awarded a $990 million 5-year contract to 7 firms of which 2 were Hawaii firms. Hawaii as 100 percent place of performanc

6/ In one U.S. Navy September contract, Hawaii was designated 'place of performance' for 40 percent or $200 million and the remainder as other NAVFAC Pac

7/ In one U.S. Navy November contract Hawaii was designated 'place of performance' for 40 percent or $3.2 billion and the remainder as Washington (state).

8/ In one U.S. Navy June contract, Hawaii was designated 'place of performance' for 95 percent or $945.3 M and the remainder as Wake Island.

9/ In one U.S. Navy August $32.4 M. contract awarded to a Hawaii firm, but Hawaii was not designated as place of performance (POP).

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

F. OTHER INDICATORS

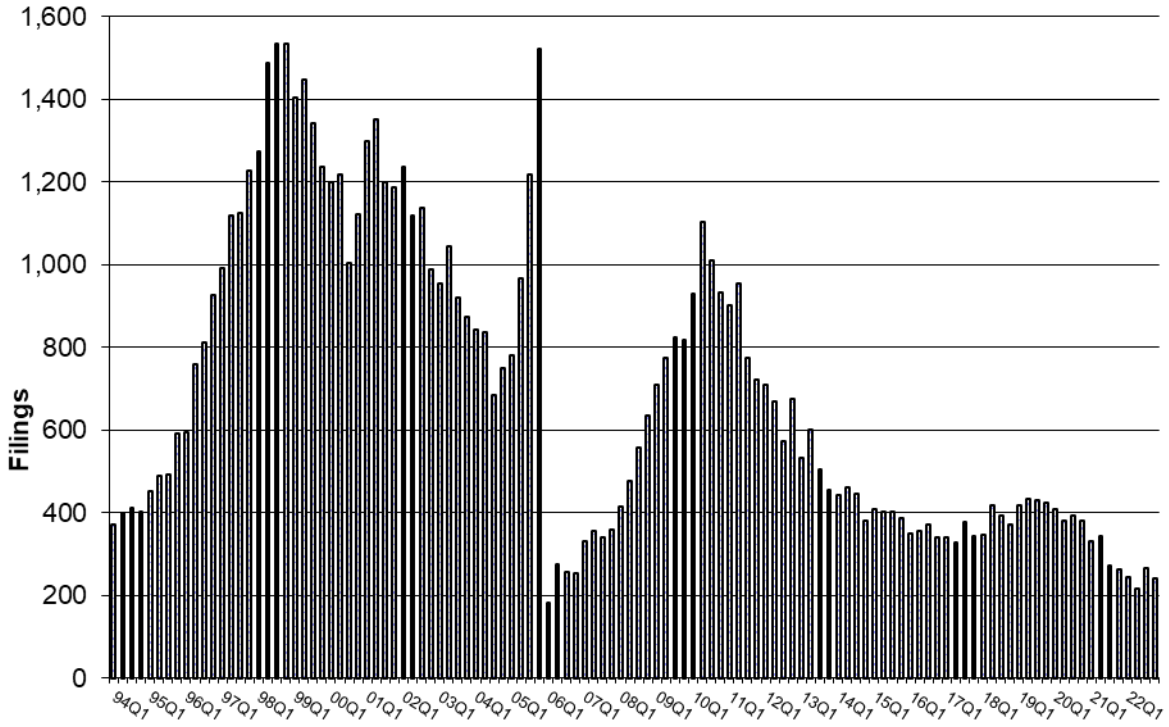
The total number of bankruptcy filings in Hawaii declined 8.3 percent or by 22 cases for the fourth quarter of 2022, from the same quarter of 2021. In 2022, total filings declined 20.2 percent or 245 cases from the same period of the previous year.

The number of Chapter 7 filings, the largest category, decreased 18.1 percent or 33 cases in the fourth quarter of 2022. Chapter 7 filings are intended to liquidate assets and discharge debt. In 2022, Chapter 7 filings decreased 28.2 percent or 246 cases from the same period of the previous year.

Chapter 11 filings increased from 1 case in the fourth quarter of 2021 to 7 cases in the fourth quarter of 2022. In 2022, Chapter 11 filings increased to 14 cases from 9 cases in the same period of the previous year. Chapter 11 filings involve the structuring of repayment plans for companies.

Chapter 13 filings increased 6.2 percent or 5 cases in the fourth quarter of 2022, from the same quarter of 2021. In 2022, Chapter 13 filings declined 1.2 percent or 4 cases from the same period of the previous year. Chapter 13 bankruptcy allows debtors to work out repayment arrangements with creditors.

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

For District of Hawaii monthly statistics, see: https://www.hib.uscourts.gov/bankruptcy-statistics.

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