

# QUARTERLY STATISTICAL & ECONOMIC REPORT

September 1996

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

The department is headed by director, Dr. Seiji F. Naya. This report was prepared under the direction of the division administrator, Dr. Pearl Imada Iboshi. Dr. Tu Duc Pham, econometric research branch chief, was directly in charge of the project.

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 information contained in this report reflects data received by the Research Division on or before September 1996.

## Introduction

### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

### Part II - Labor Force and Jobs - Overview

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### STATE OF THE ECONOMY

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Though weakening somewhat, economic recovery continued in the second quarter of 1996. The number of visitors increased 3.7 percent in the second quarter of this year, following an 8.9 percent increase in the first quarter, both relative to the same period in 1995. Overall, the number of visitor arrivals increased 6.3 percent from the first half of 1995 to the first half of 1996 (table 1). The increase was mainly due to the 11.4 percent growth of Eastbound arrivals, primarily from Japan. Westbound arrivals also increased 3.2 percent in the first half of 1996, relative to the first half of 1995, continuing the growth observed in the first quarter of 1996 (table D-3).

Reflecting the increase in visitor arrivals, transient accommodation tax (TAT) revenues and the general excise tax base for hotel services grew 11.7 percent and 14.7 percent, respectively, over the second quarter of last year (table 1). For the first half of the year, TAT revenues and the hotel tax base increased 18.7 percent and 11.4 percent, respectively, from the same period in 1995. The retailing tax base grew 5.1 percent in the second quarter of 1996 over the year-earlier quarter; for the first half of 1996, the retailing base was 6.1 percent higher than in the first half of 1995. The average hotel occupancy rate also showed an increase of 0.7 percentage points (to 72.5 percent) from the second quarter of 1995 to the second quarter of 1996.

The agriculture and food processing industries also showed significant improvement. The general excise tax for producing increased 14.7 percent in the second quarter of 1996, relative to the year-earlier figure (table C-12). This was the largest annual growth in the quarterly figure since the third quarter of 1993. Wage and salary jobs in agriculture also grew by 5.8 percent in the second quarter of 1996 over the year-earlier quarter (table 1). For the first half of 1996, agricultural wage and salary jobs were 4.3 percent higher than in the first half of 1995.

There was also some good news in the construction industry. The general excise tax base for contracting grew by 6.7 percent in the second quarter over the year-earlier quarter and by 6.5 percent from the first half of 1995 to the first half of 1996 (table 1). These were the highest annual rates of growth for either a quarter or a half year since 1991 (table C-10). On the other hand, the number of wage and salary jobs in the industry continued to fall from 26,200 in the second quarter of 1995 to 24,200 in 1996, a 7.6 percent drop (table A-7). For the first half of 1996, construction jobs were 7 percent lower than in the year earlier.

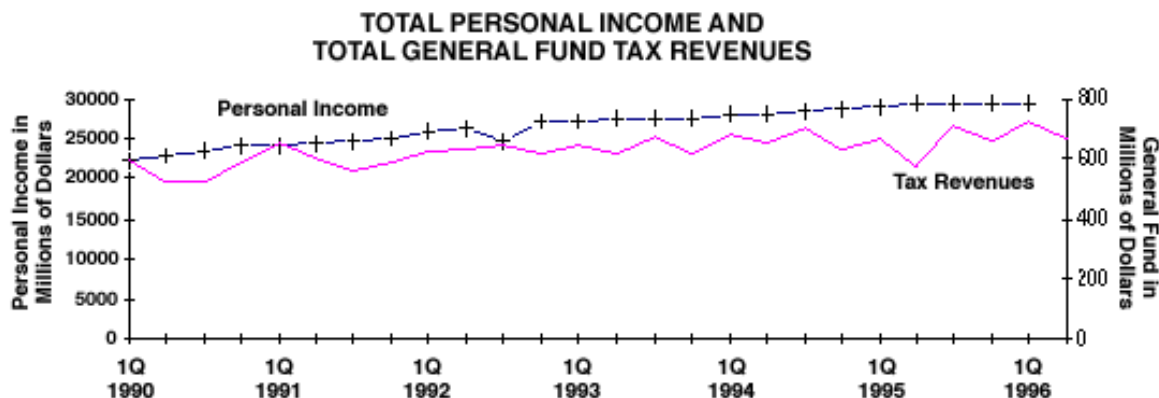
Both the modest recovery and some unique technical features led to higher tax revenues in the second quarter. State general fund tax revenues rose 15.6 percent in the second quarter of 1996, following an 8.0 percent increase in the first quarter, both relative to the same periods in the previous year (table C-2). General excise and use tax collections, the largest source of general fund tax revenues, increased 6.5 percent from the first half of 1995 to the first half of 1996 (table C-3). The second largest source of general fund tax revenues, individual income tax collections net of refunds, exhibited large year-over-year growth of 41.1 percent in the second quarter of 1996 (table C-4). However, most of that increase reflected lower income tax refunds and higher payments with returns when Hawaii's residents filed their 1995 income tax returns (see Part IV, Tax Base and Revenues).

Despite growth in key sectors of the economy, the number of non-agricultural wage and salary

jobs declined 1.0 percent, from 535,600 jobs in the first half of 1995 to 530,250 jobs in the first half of 1996, a loss of more than 5,300 jobs (table A-6). Most of the loss in jobs was due to the restructuring of the State government (3,050 jobs) and the decline in construction jobs (1,850 jobs) as previously discussed (tables A-18 and A-7). In contrast, as noted above, the number of jobs in agriculture rose from an average of 7,000 jobs in the first half of 1995 to 7,300 jobs in the first half of 1996 (table A-20). The hotel industry also added 1,000 jobs, from an average of 37,800 jobs in the first half of 1995 to 38,800 jobs in the first half of 1996, or an increase of 2.6 percent (table A-16).

Although the total number of salary and wage jobs declined in the second quarter of 1996, the number of employed persons increased 1.4 percent, from 547,700 in the second quarter of 1995 to 555,500 in the second quarter of 1996 (table 1). The data are preliminary, but the divergent trends of declining jobs and rising employment may indicate either a rise in the number of proprietors or a fall in the number of multiple job holders.

Perhaps reflecting the lack of growth in wage and salary jobs, the latest BEA data indicate that personal income increased only 1.1 percent in the first quarter of 1996, relative to the previous year figure (table B-2). The increase is smaller than the consumer inflation rate of 2.2 percent in the first half of 1996 (table B-9) and was mainly due to an increase in transfer payments (table B-1). This performance is worrisome as it is the slowest rate of annual growth in quarterly personal income since 1980 other than the third quarter of 1992—the quarter following Hurricane Iniki—and the fourth quarter of 1993.



Source: Data compiled from tables B-2 (Personal Income) and C-2 (State General Fund Tax Revenues).

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### OUTLOOK OF THE ECONOMY

Because available data on prices and visitor arrivals are consistent with earlier projections, DBEDT continues to forecast moderate inflation and modest visitor growth for the remainder of the year. The June 1996 issue of the Quarterly Statistical and Economic Report (QSR) reported the Department's inflation expectation, as measured by changes in the Honolulu Consumer Price Index (CPI), at a low level of about 2 to 2.5 percent in 1996 and 1997. The latest data released by the U.S. Bureau of Labor Statistics in August 1996 indicated the Honolulu CPI increased 2.2 percent from the first half of 1995 to the first half of 1996 (table B-9). DBEDT also projected the number of visitor arrivals to increase between 5 to 7 percent from 1995 to 1996. Latest data from the Hawaii Visitors and Convention Bureau indicated that the number of visitor arrivals increased 6.3 percent in the first half of 1996, compared to the same period in the previous year (table 1.) Based on DBEDT's visitor trend model, we expect growth in the total number of visitors to be about 3.5 to 4.0 percent from the second half of 1995 to the second half of 1996. As a result, for 1996 as a whole, the number of visitors to Hawaii in 1996 will grow by about 5 percent over 1995 levels. After 1996, the number of visitors should continue to grow at an annual average rate of 3 to 4 percent, based on mainland forecasts of annual growth in the U.S. economy of 2-3 percent in 1997 and 1998.

However recent economic performance has caused DBEDT to lower its projections for jobs and personal income growth in 1996. In the June 1996 issue of the QSR, DBEDT projected that the total number of jobs and personal income would grow 1.1 percent and 3.9 percent, respectively, from 1995 to 1996. Preliminary employment data from the Hawaii Department of Labor and Industrial Relations (DLIR) indicated the total number of jobs actually declined 1.0 from the first half of 1995 to the first half of 1996. In addition, the U.S. Bureau of Economic Analysis (BEA) released preliminary data indicating that personal income grew only 1.1 percent in the first quarter, relative to

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the year-earlier figure (table B-1). This followed growth of 1.8 percent from the fourth quarter of 1994 to the fourth quarter of 1995. DBEDT has therefore lowered the 1996 growth rate projections of total jobs and personal income to 0.0 percent and 2.7 percent, respectively. Beyond 1996, the outlook is more optimistic. As the slow economic expansion continues, the State economy is expected to grow 2.6 percent in 1997, slightly better than the 2.1 percent growth forecast for the U.S. economy.



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## COUNTY ECONOMIC CONDITIONS

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Economic performance at the county level was mixed in the second quarter of 1996. While visitor arrivals rose in Honolulu and Kauai, arrivals were flat or fell in Hawaii and Maui. Apparently only Honolulu saw increases in the general excise tax base. Yet both Honolulu and Kauai experienced higher unemployment, while unemployment fell in Hawaii and Maui. Overall, the slow recovery is affecting the counties in different and, sometimes, contradictory ways.

The growth of visitors to the State in the second quarter of 1996 from the year earlier was mainly felt in Honolulu (5.1 percent) and Kauai (3.0 percent) (tables 2 and 5). The number of visitors in Hawaii county was no higher in the second quarter than in the previous year, and Maui experienced a drop of 2.7 percent over the period (tables 3 and 4). This pattern also describes visitor growth for the first half of 1996 relative to the first half of 1995. Hotel occupancy rates were lower in Honolulu and Maui (at 76.9 percent and 71.3 percent, respectively) in the second quarter compared to a year earlier, but both Hawaii and Kauai counties saw increases in their occupancy rates to 59.6 percent and 70.3 percent, respectively.

Statewide, the general excise and use tax base, perhaps the broadest monthly measure of Hawaii's economic activity, grew 5.9 percent from the second quarter of 1995 to the second quarter of 1996. But the data indicate that all of this growth occurred on Oahu. The base rose 9 percent in Honolulu county but fell in the counties of Hawaii (-24.2 percent), Maui (-3.4 percent), and Kauai (-10.0 percent). However, care must be exercised in interpreting these results. Recent changes in the method of collection may cause underreporting of economic activity on the Neighbor Islands.

Both Honolulu and Kauai experienced increases in unemployment rates to 5.1 percent and 11.6 percent, respectively, in the second quarter of 1996 compared to the second quarter of 1995. Hawaii

county and Maui saw declines in their unemployment rates to 10.1 percent and 6.9 percent, respectively. Looking at the first half of 1996, all Neighbor Island counties enjoyed declines in the unemployment rate relative to the first half of 1995; only Honolulu saw a small increase in the unemployment rate over the period.

The number of wage and salary jobs declined in all counties except Kauai over the year ending in the second quarter of 1996. Wage and salary jobs fell 1.1 percent for Oahu, and fell 0.8 percent for both Hawaii and Maui counties. In contrast, the total number of wage and salary jobs for Kauai grew 0.6 percent, mainly due to the 17.7 percent increase in hotel jobs which more than offset declines in construction, government, and agricultural wage and salary jobs.

**[Download a spreadsheet file of Tables 1-5](#)** (q3cty.xls)

Table 1  
**SELECTED ECONOMIC ACTIVITIES: STATE**

SERIES	UNIT	2nd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	592,200	1.7	588,700	1.4
Civilian Employment	PERSONS	555,533	1.4	553,500	1.3
Civilian Unemployment	PERSONS	36,667	5.0	35,150	4.2
UNEMPLOYMENT RATE 2/	%	6.2	0.2	6.0	0.1
TOTAL JOBS	JOBS	573,200	-0.9	573,150	-1.0
TOTAL NON-AGR. WAGE & SALARY 1/	JOBS	530,500	-1.0	530,250	-1.0
Contract Construction	JOBS	24,167	-7.6	24,450	-7.0
Manufacturing	JOBS	16,500	-2.2	16,550	-1.6
Trans., Comm., Utilities	JOBS	40,433	-0.9	40,550	-0.1
Trade	JOBS	134,350	-0.2	134,500	-0.3
Retail	JOBS	113,050	-0.1	113,200	-0.2
Finance, Insur., & Real Estate	JOBS	36,867	-0.4	36,950	-0.4
Services & Miscellaneous	JOBS	165,100	0.3	165,000	0.1
Hotels	JOBS	38,883	3.6	38,800	2.6
Government	JOBS	113,117	-2.2	112,050	-2.5
State	JOBS	65,950	-3.9	65,050	-4.4
Federal	JOBS	30,817	0.0	30,700	0.2
AGRICULTURE WAGES AND SALARIES	JOBS	7,333	5.8	7,300	4.3
AGRICULTURE SELF-EMPLOYED	JOBS	3,850	3.1	3,750	1.8
NON-AGR. SELF-EMPLOYED	JOBS	31,517	-1.7	31,800	-2.4
STATE GENERAL FUND TAX					
REVENUES 3/	\$1,000	667,711	15.6	1,392,995	11.5
TRANS. ACCOM. TAX REVENUES 2/	\$1,000	30,146	11.7	64,339	18.7
GENERAL EXCISE & USE TAX BASE	\$1,000	11,662,000	5.9	23,985,000	4.8
Retailing Tax Base	\$1,000	3,757,000	5.1	7,963,000	6.1
Services Tax Base	\$1,000	1,430,102	9.0	2,802,513	4.5
Contracting Tax Base	\$1,000	811,888	6.7	1,636,433	6.5
Hotel Rental Tax Base	\$1,000	512,649	14.7	1,030,690	11.4
Producing Tax Base	\$1,000	122,401	14.7	246,611	7.7
VISITOR ARRIVALS	PERSONS	1,650,170	3.7	3,403,080	6.3
Westbound Visitors	PERSONS	991,400	2.1	2,046,160	3.2
Eastbound Visitors	PERSONS	658,770	6.3	1,356,920	11.4
HOTEL OCCUPANCY RATES 2/	%	72.5	0.7	77.1	0.9

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in April of this year. Self-employed data will no longer be published by DLIR.

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

3/ Tax period ended on a weekend, therefore some of the collections may be shifted to the next month.

Sources: Hawaii Dept. of Labor & Industrial Relations; Dept. of Taxation; Hawaii Visitors and Convention Bureau; and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.



Table 2  
**SELECTED ECONOMIC ACTIVITIES: CITY AND COUNTY OF  
HONOLULU**

SERIES	UNIT	2nd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	430,533	1.7	428,200	1.6
Civilian Employment	PERSONS	408,483	1.2	407,150	1.1
Civilian Unemployment	PERSONS	22,050	11.9	21,050	11.7
UNEMPLOYMENT RATE 2/	%	5.1	0.5	4.9	0.4
TOTAL JOBS	JOBS	429,467	-1.1	429,550	-1.1
TOTAL NON-AGR. WAGE & SALARY	JOBS	406,583	-1.1	406,550	-1.1
Contract Construction	JOBS	18,300	-9.2	18,650	-8.1
Manufacturing	JOBS	12,650	-2.1	12,650	-1.9
Trans., Comm., Utilities	JOBS	32,950	-0.9	33,100	0.1
Trade	JOBS	100,667	0.1	100,950	0.3
Retail	JOBS	82,933	0.3	83,200	0.5
Finance, Insur., & Real Estate	JOBS	30,367	0.1	30,350	-0.3
Services & Miscellaneous	JOBS	120,317	-0.1	120,250	-0.2
Hotels	JOBS	18,583	3.0	18,550	2.1
Government	JOBS	91,333	-2.4	90,450	-2.7
State	JOBS	51,000	-4.4	50,250	-5.0
Federal	JOBS	29,050	0.1	28,950	0.3
AGRICULTURE WAGES AND SALARIES	JOBS	2,017	7.1	1,950	3.0
AGRICULTURE SELF-EMPLOYED	JOBS	767	2.2	750	2.2
NON-AGR. SELF-EMPLOYED	JOBS	20,100	-2.2	20,250	-2.8
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	21,788	22.2	46,343	23.4
GENERAL EXCISE & USE TAX BASE	\$1,000	10,308,000	9.0	20,957,000	6.6
Retailing Tax Base	\$1,000	3,341,000	9.9	6,976,000	9.1
Services Tax Base	\$1,000	1,225,096	11.6	2,379,118	5.2
Contracting Tax Base	\$1,000	692,697	9.3	1,391,692	9.0
Hotel Rental Tax Base	\$1,000	397,685	26.3	766,490	14.7
Producing Tax Base	\$1,000	93,730	34.8	173,923	20.6
VISITOR ARRIVALS 4/	PERSONS	1,212,750	5.1	2,507,240	8.4
Westbound Visitors	PERSONS	582,660	2.6	1,200,450	3.8
Eastbound Visitors	PERSONS	630,090	7.5	1,306,790	13.0
HOTEL OCCUPANCY RATES 2/	%	76.9	-1.8	81.8	-0.7

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in April of this year. Self-employed data will no longer be published by DLIR.

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

3/ Tax period ended on a weekend, therefore some of the collections may be shifted to the next month.

4/ Preliminary data.

Sources: Hawaii Dept. of Labor & Industrial Relations; Dept. of Taxation; Hawaii Visitors and Convention Bureau; and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 3  
**SELECTED ECONOMIC ACTIVITIES: HAWAII COUNTY**

SERIES	UNIT	2nd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	65,583	1.5	64,750	0.6
Civilian Employment	PERSONS	58,950	2.2	58,550	1.5
Civilian Unemployment	PERSONS	6,633	-3.9	6,150	-7.5
UNEMPLOYMENT RATE 2/	%	10.1	-0.6	9.5	-0.9
TOTAL JOBS	JOBS	56,233	-0.3	56,050	-0.7
TOTAL NON-AGR. WAGE & SALARY	JOBS	46,783	-0.8	46,650	-1.2
Contract Construction	JOBS	2,383	-7.7	2,350	-4.7
Manufacturing	JOBS	1,500	-10.0	1,550	-7.3
Trans., Comm., Utilities	JOBS	2,483	-4.5	2,450	-5.7
Trade	JOBS	12,267	-2.1	12,200	-3.4
Retail	JOBS	10,617	-2.2	10,550	-3.4
Finance, Insur., & Real Estate	JOBS	2,283	-1.4	2,300	-0.4
Services & Miscellaneous	JOBS	15,583	3.3	15,450	2.5
Hotels	JOBS	5,950	6.6	5,900	5.5
Government	JOBS	10,250	-0.8	10,150	-1.0
State	JOBS	7,250	-1.8	7,200	-2.2
Federal	JOBS	883	-1.9	850	1.9
AGRICULTURE WAGES AND SALARIES	JOBS	2,583	12.3	2,500	10.1
AGRICULTURE SELF-EMPLOYED	JOBS	2,350	4.4	2,300	2.2
NON-AGR. SELF-EMPLOYED	JOBS	4,517	-0.7	4,550	-2.0
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	1,386	-52.8	4,076	-22.0
GENERAL EXCISE & USE TAX BASE	\$1,000	475,200	-24.2	1,165,664	-11.8
Retailing Tax Base	\$1,000	137,700	-34.3	373,550	-17.1
Services Tax Base	\$1,000	90,294	-7.9	190,956	1.7
Contracting Tax Base	\$1,000	44,406	-19.6	99,932	-3.8
Hotel Rental Tax Base	\$1,000	6,269	-82.5	49,254	-37.4
Producing Tax Base	\$1,000	20,742	-17.9	51,582	-9.1
VISITOR ARRIVALS 4/	PERSONS	257,780	0.0	540,020	-0.6
Westbound Visitors	PERSONS	212,560	4.6	449,540	2.1
Eastbound Visitors	PERSONS	45,220	-17.1	90,480	-12.2
HOTEL OCCUPANCY RATES 2/	%	59.6	8.6	65.0	3.6

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in April of this year. Self-employed data will no longer be published by DLIR.

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

3/ Tax period ended on a weekend, therefore some of the collections may be shifted to the next month.

4/ Preliminary data.

Sources: Hawaii Dept. of Labor & Industrial Relations; Dept. of Taxation; Hawaii Visitors and Convention Bureau; and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 4

**SELECTED ECONOMIC ACTIVITIES: MAUI COUNTY**

SERIES	UNIT	2nd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	67,017	1.1	66,750	0.9
Civilian Employment	PERSONS	62,400	1.7	62,150	1.4
Civilian Unemployment	PERSONS	4,617	-7.4	4,600	-5.3
UNEMPLOYMENT RATE 2/	%	6.9	-0.6	6.9	-0.5
TOTAL JOBS	JOBS	61,084	-1.0	61,100	-1.0
TOTAL NON-AGR. WAGE & SALARY	JOBS	53,667	-0.8	53,600	-1.0
Contract Construction	JOBS	2,117	7.6	2,100	5.9
Manufacturing	JOBS	1,817	1.9	1,750	4.4
Trans., Comm., Utilities	JOBS	3,483	2.0	3,450	2.7
Trade	JOBS	14,733	-2.0	14,700	-2.2
Retail	JOBS	13,333	-2.2	13,300	-2.4
Finance, Insur., & Real Estate	JOBS	2,850	-3.4	2,850	-2.0
Services & Miscellaneous	JOBS	21,167	-1.0	21,250	-1.5
Hotels	JOBS	10,933	-0.3	10,950	-1.4
Government	JOBS	7,483	-1.1	7,400	-1.0
State	JOBS	5,083	-1.9	5,000	-2.1
Federal	JOBS	500	7.1	500	9.1
AGRICULTURE WAGES AND SALARIES	JOBS	1,867	1.8	1,850	1.4
AGRICULTURE SELF-EMPLOYED	JOBS	433	4.0	400	2.0
NON-AGR. SELF-EMPLOYED	JOBS	5,117	-1.9	5,200	-1.9
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	5,891	8.9	11,752	14.3
GENERAL EXCISE & USE TAX BASE	\$1,000	658,383	-3.4	1,371,588	-0.7
Retailing Tax Base	\$1,000	211,600	-12.7	455,662	-5.2
Services Tax Base	\$1,000	81,183	0.8	163,434	0.5
Contracting Tax Base	\$1,000	48,480	15.4	94,271	0.2
Hotel Rental Tax Base	\$1,000	91,577	8.6	181,698	19.7
Producing Tax Base	\$1,000	6,042	-31.2	14,975	-25.9
VISITOR ARRIVALS 4/	PERSONS	539,570	-2.7	1,123,200	-0.4
Westbound Visitors	PERSONS	456,210	-1.0	940,130	0.1
Eastbound Visitors	PERSONS	83,360	-10.9	183,070	-3.1
HOTEL OCCUPANCY RATES 2/ 5/	%	71.3	-0.2	76.6	2.0

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in April of this year. Self-employed data will no longer be published by DLIR.

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

3/ Tax period ended on a weekend, therefore some of the collections may be shifted to the next month.

4/ Preliminary data.

5/ Data represents Maui island only.

Sources: Hawaii Dept. of Labor & Industrial Relations; Dept. of Taxation; Hawaii Visitors and Convention Bureau; and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

Table 5

**SELECTED ECONOMIC ACTIVITIES: KAUAI COUNTY**

SERIES	UNIT	2nd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	29,033	2.5	28,900	2.6
Civilian Employment	PERSONS	25,650	2.6	25,550	3.0
Civilian Unemployment	PERSONS	3,367	1.5	3,300	-1.0
UNEMPLOYMENT RATE 2/	%	11.6	0.2	11.6	-0.6
TOTAL JOBS	JOBS	26,351	0.0	26,300	-1.1
TOTAL NON-AGR. WAGE & SALARY	JOBS	23,467	0.6	23,350	0.1
Contract Construction	JOBS	1,367	-6.8	1,300	-13.0
Manufacturing	JOBS	500	0.0	500	3.4
Trans., Comm., Utilities	JOBS	1,483	-3.3	1,450	-2.7
Trade	JOBS	6,667	1.3	6,550	-0.1
Retail	JOBS	6,167	2.2	6,050	1.0
Finance, Insur., & Real Estate	JOBS	1,317	-6.0	1,350	-1.2
Services & Miscellaneous	JOBS	8,033	5.0	8,000	5.2
Hotels	JOBS	3,433	17.7	3,350	16.7
Government	JOBS	4,033	-4.0	4,000	-3.4
State	JOBS	2,633	-2.5	2,550	-3.1
Federal	JOBS	400	0.0	400	0.0
AGRICULTURE WAGES AND SALARIES	JOBS	850	-7.3	900	-4.4
AGRICULTURE SELF-EMPLOYED	JOBS	317	0.0	300	0.0
NON-AGR. SELF-EMPLOYED	JOBS	1,717	-1.9	1,750	-1.9
TRANS. ACCOM. TAX REVENUES 3/ 5/	\$1,000	1,081	31.8	2,166	86.1
GENERAL EXCISE & USE TAX BASE	\$1,000	219,804	-10.0	490,891	-7.6
Retailing Tax Base	\$1,000	65,724	-24.1	156,256	-13.1
Services Tax Base	\$1,000	33,530	-4.8	69,005	-2.8
Contracting Tax Base	\$1,000	26,306	-11.1	50,541	-19.6
Hotel Rental Tax Base	\$1,000	17,117	41.9	33,246	24.6
Producing Tax Base	\$1,000	1,886	-40.2	6,127	-22.7
VISITOR ARRIVALS 4/	PERSONS	231,910	3.0	457,880	4.4
Westbound Visitors	PERSONS	210,060	8.2	414,400	7.6
Eastbound Visitors	PERSONS	21,850	-29.6	43,480	-18.8
HOTEL OCCUPANCY RATES 2/	%	70.3	4.9	69.7	4.2

Notes: 1/ Labor force and jobs averages are based on monthly rounded data. Labor force data were also rebenchmarked in April of this year. Self-employed data will no longer be published by DLIR.

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

3/ Tax period ended on a weekend, therefore some of the collections may be shifted to the next month.

4/ Preliminary data.

5/ Tax exemption to providers of transient accommodations located in natural disaster areas sunsetted after 12/31/94 (Act 129, SLH 1993).

Sources: Hawaii Dept. of Labor & Industrial Relations; Dept. of Taxation; Hawaii Visitors and Convention Bureau; and PKF-Hawaii. Compiled by Economic Planning Information System, READ, DBEDT.

# Quarterly Statistical & Economic Report

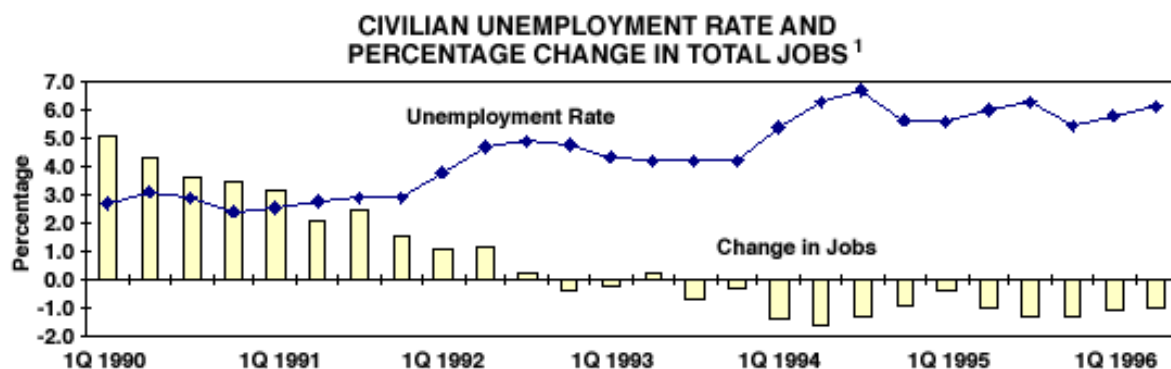
September 1996

## LABOR FORCE AND JOBS

As in the first quarter of 1996, the employment data display contradictory trends in the labor market. The Hawaii Department of Labor and Industrial Relations<sup>1</sup> (DLIR) industry survey indicated that the total number of non-agricultural salary and wage jobs declined 1.0 percent from the second quarter of 1995 to the second quarter of 1996, continuing the trend of declining jobs since the fourth quarter of 1992 (table A-6). In contrast, the household survey indicated that the number of employed persons increased 1.4 percent over the same period (table A-2). According to DLIR, these preliminary data will be revised in April 1997, and the revision may resolve the contradiction. At present, data on persons employed appear more consistent with data on tourism and tax revenues.

The breakdown of jobs by industry indicated that about half of the 5,500 jobs lost from the second quarter of 1995 to the second quarter of 1996 (table A-6) was due to the restructuring of the state government (table A-18). The number of state government workers fell from 68,700 in the second quarter of 1995 to 66,000 in the second quarter of 1996. This was the fourth consecutive quarter of decline in state government jobs, a phenomenon unseen since the second quarter of 1973. The number of jobs in the construction industry averaged only 24,200 in the second quarter of 1996, or a loss of 2,000 jobs as compared to the same period in 1995 (table A-7). Jobs in retail trade declined 0.1 percent in the second quarter of 1996 after a decline of 0.2 percent in the first quarter, both compared to figures in the same periods in 1995 (table A-12).

Employment in services and trade, the two largest sectors of the economy, showed slight improvement in the second quarter. The number of jobs in services increased 0.3 percent in the 1996 second quarter as compared to zero growth in the first quarter, both relative to the same quarter in the previous year (table A-15). The number of jobs in hotel and agriculture displayed growth of 3.7 percent and 5.8 percent, respectively, from the second quarter of 1995 to the second quarter of 1996 (tables A-16 and A-20).



Note: 1/ Percentage change in total jobs from same period one year ago.  
 Source: Data compiled from tables A-4 (Civilian Unemployment Rate) and A-5 (Total Jobs).

[Download a spreadsheet file of Tables A-1 through A-23.](#) (q3jobs.xls)

- Introduction**
- Part I - Economic Trends and Outlook**
  - State of the Economy
  - Outlook of the Economy
  - County Economic Conditions
- Part II - Labor Force and Jobs** - Overview
- Part III - Income and Prices** - Overview
- Part IV - Tax Base and Revenues** - Overview
- Part V - Tourism** - Overview
- Part VI - Construction** - Overview
- Terms and Definitions**

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- Archive**
- Statistics & Publications**

Table A-1  
**CIVILIAN LABOR FORCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	432.0	438.0	442.8	443.3	439.0
1981	449.1	451.0	451.3	452.6	451.0
1982	455.3	461.3	463.7	463.7	461.0
1983	469.1	474.0	472.8	472.2	472.0
1984	471.8	473.7	470.8	471.8	472.0
1985	475.3	477.2	478.5	485.0	479.0
1986	485.3	488.9	493.9	499.9	492.0
1987	506.0	513.0	516.3	520.8	514.0
1988	515.4	519.4	519.0	518.2	518.0
1989	519.4	526.7	521.9	528.0	524.0
1990	532.0	539.8	544.6	551.7	542.0
1991	568.7	573.0	576.1	577.1	573.7
1992	579.2	582.9	585.4	588.7	584.1
1993	587.0	588.0	585.1	583.8	586.0
1994	584.3	584.2	582.7	580.4	582.9
1995	578.1	582.6	580.1	578.3	579.8
1996	585.3	592.2	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	3.3	3.9	5.1	4.7	4.3
1981	4.0	3.0	1.9	2.1	2.7
1982	1.4	2.3	2.7	2.5	2.2
1983	3.0	2.7	2.0	1.8	2.4
1984	0.6	-0.1	-0.4	-0.1	0.0
1985	0.7	0.7	1.6	2.8	1.5
1986	2.1	2.4	3.2	3.1	2.7
1987	4.3	4.9	4.5	4.2	4.5
1988	1.9	1.2	0.5	-0.5	0.8
1989	0.8	1.4	0.6	1.9	1.2
1990	2.4	2.5	4.4	4.5	3.4
1991	6.9	6.2	5.8	4.6	5.9
1992	1.8	1.7	1.6	2.0	1.8
1993	1.3	0.9	0.0	-0.8	0.3
1994	-0.5	-0.6	-0.4	-0.6	-0.5
1995	-1.1	-0.3	-0.4	-0.4	-0.5
1996	1.2	1.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



Table A-2

**CIVILIAN EMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	411.7	417.2	420.2	422.9	418.0
1981	426.4	427.2	427.4	427.1	427.0
1982	426.9	427.9	429.9	435.4	430.0
1983	438.6	440.0	444.1	445.3	442.0
1984	446.1	447.0	442.9	444.0	445.0
1985	449.2	450.4	449.8	458.6	452.0
1986	461.8	464.8	468.2	477.2	468.0
1987	484.3	492.2	494.7	504.9	494.0
1988	500.7	501.3	502.3	503.8	502.0
1989	505.2	512.2	511.8	514.8	511.0
1990	517.3	523.1	529.1	538.5	527.0
1991	553.9	557.1	559.4	560.6	557.8
1992	557.4	555.7	556.3	560.4	557.8
1993	560.6	563.0	560.6	559.4	560.9
1994	551.8	547.3	543.7	547.5	547.6
1995	545.5	547.7	543.6	546.5	545.8
1996	551.5	555.5	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	5.6	6.3	5.6	5.8	5.8
1981	3.6	2.4	1.7	1.0	2.2
1982	0.1	0.2	0.6	1.9	0.7
1983	2.7	2.8	3.3	2.3	2.8
1984	1.7	1.6	-0.3	-0.3	0.7
1985	0.7	0.8	1.6	3.3	1.6
1986	2.8	3.2	4.1	4.0	3.5
1987	4.9	5.9	5.7	5.8	5.6
1988	3.4	1.9	1.5	-0.2	1.6
1989	0.9	2.2	1.9	2.2	1.8
1990	2.4	2.1	3.4	4.6	3.1
1991	7.1	6.5	5.7	4.1	5.8
1992	0.6	-0.3	-0.6	0.0	0.0
1993	0.6	1.3	0.8	-0.2	0.6
1994	-1.6	-2.8	-3.0	-2.1	-2.4
1995	-1.1	0.1	0.0	-0.2	-0.3
1996	1.1	1.4	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



Table A-3

**CIVILIAN UNEMPLOYMENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	20.3	20.8	22.5	20.4	21.0
1981	22.8	23.8	24.0	25.5	24.0
1982	28.4	33.5	33.9	28.2	31.0
1983	30.5	33.9	28.7	26.9	30.0
1984	25.7	26.6	27.8	27.8	27.0
1985	26.1	26.8	28.7	26.4	27.0
1986	23.5	24.1	25.7	22.7	24.0
1987	21.7	20.8	21.6	15.9	20.0
1988	14.7	18.1	16.7	14.4	16.0
1989	14.2	14.5	10.1	13.3	13.0
1990	14.7	16.7	15.6	13.1	15.0
1991	14.8	15.9	16.7	16.5	16.0
1992	21.8	27.3	29.1	28.3	26.6
1993	26.4	25.0	24.5	24.4	25.1
1994	32.5	36.9	39.0	32.9	35.3
1995	32.7	34.9	36.6	31.8	34.0
1996	33.7	36.7	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-28.0	-27.7	-4.0	-13.6	-19.2
1981	12.2	14.6	6.4	24.7	14.3
1982	24.9	40.6	41.2	10.9	29.2
1983	7.2	1.4	-15.2	-4.8	-3.2
1984	-15.5	-21.6	-3.0	3.4	-10.0
1985	1.4	0.7	3.0	-5.0	0.0
1986	-10.1	-10.2	-10.2	-14.0	-11.1
1987	-7.6	-13.4	-16.2	-30.0	-16.7
1988	-32.1	-13.0	-22.6	-9.2	-20.0
1989	-3.8	-20.3	-39.7	-7.9	-18.8
1990	3.4	15.2	54.4	-1.2	15.4
1991	0.9	-4.4	7.3	25.8	6.5
1992	47.7	71.4	74.3	71.4	66.7
1993	21.0	-8.4	-15.9	-13.7	-5.8
1994	23.1	47.5	59.3	34.8	40.8
1995	0.4	-5.3	-6.2	-3.3	-3.8
1996	3.2	5.0	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-4

**CIVILIAN UNEMPLOYMENT RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percent of the Civilian Labor Force					
1980	4.7	4.7	5.1	4.6	4.8
1981	5.1	5.3	5.3	5.6	5.3
1982	6.2	7.3	7.3	6.1	6.7
1983	6.5	7.2	6.1	5.7	6.4
1984	5.5	5.6	5.9	5.9	5.7
1985	5.5	5.6	6.0	5.4	5.6
1986	4.8	4.9	5.2	4.5	4.9
1987	4.3	4.1	4.2	3.1	3.9
1988	2.9	3.5	3.2	2.8	3.1
1989	2.7	2.7	1.9	2.5	2.5
1990	2.8	3.1	2.9	2.4	2.8
1991	2.6	2.8	2.9	2.9	2.8
1992	3.8	4.7	5.0	4.8	4.6
1993	4.5	4.3	4.2	4.2	4.3
1994	5.6	6.3	6.7	5.7	6.1
1995	5.6	6.0	6.3	5.5	5.9
1996	5.8	6.2	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



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Table A-5  
**TOTAL JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	443.0	447.3	448.4	446.4	446.3
1981	447.9	450.9	449.0	444.7	448.1
1982	444.4	446.7	444.7	442.7	444.6
1983	448.3	450.8	455.7	454.3	452.3
1984	455.1	462.3	459.0	462.9	459.8
1985	464.9	469.4	473.9	480.4	472.2
1986	478.2	483.5	488.1	495.0	486.2
1987	490.8	503.0	506.6	515.2	503.9
1988	513.4	523.6	523.9	533.3	523.6
1989	538.6	549.3	551.5	565.8	551.3
1990	566.4	573.6	571.7	585.4	574.3
1991	584.1	585.3	585.2	593.7	587.1
1992	590.2	592.1	586.8	592.2	590.3
1993	589.5	593.8	583.5	590.4	589.3
1994	581.6	584.2	576.5	585.5	581.9
1995	579.4	578.6	568.9	577.4	576.1
1996	573.2	573.1	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	4.1	3.5	2.5	2.8	3.3
1981	1.1	0.8	0.1	-0.4	0.4
1982	-0.8	-0.9	-1.0	-0.5	-0.8
1983	0.9	0.9	2.5	2.6	1.7
1984	1.5	2.6	0.7	1.9	1.7
1985	2.2	1.5	3.2	3.8	2.7
1986	2.8	3.0	3.0	3.1	3.0
1987	2.6	4.0	3.8	4.1	3.6
1988	4.6	4.1	3.4	3.5	3.9
1989	4.9	4.9	5.3	6.1	5.3
1990	5.2	4.4	3.7	3.5	4.2
1991	3.1	2.0	2.4	1.4	2.2
1992	1.1	1.2	0.3	-0.3	0.6
1993	-0.1	0.3	-0.6	-0.3	-0.2
1994	-1.3	-1.6	-1.2	-0.8	-1.2
1995	-0.4	-1.0	-1.3	-1.4	-1.0
1996	-1.1	-0.9	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-6

**NON-AGRICULTURAL WAGE AND SALARY JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	403.1	406.2	403.0	404.1	404.1
1981	406.3	406.9	403.4	402.7	404.8
1982	400.8	401.3	397.4	398.1	399.4
1983	403.6	403.4	407.4	410.5	406.2
1984	409.9	414.7	410.3	415.7	412.7
1985	420.0	423.7	426.9	432.4	425.7
1986	432.8	435.8	438.2	447.5	438.6
1987	451.9	459.0	458.4	470.5	460.0
1988	470.4	476.9	476.8	488.2	478.1
1989	495.4	503.1	504.0	519.3	505.5
1990	520.0	528.6	525.7	539.2	528.4
1991	537.9	537.3	536.1	545.2	539.1
1992	543.1	544.7	538.7	544.7	542.8
1993	540.1	543.4	532.3	539.8	538.9
1994	535.5	538.0	530.5	540.7	536.2
1995	535.5	535.8	525.4	534.0	532.7
1996	530.0	530.5	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	3.3	2.9	1.6	2.5	2.6
1981	0.8	0.2	0.1	-0.3	0.2
1982	-1.4	-1.4	-1.5	-1.1	-1.3
1983	0.7	0.5	2.5	3.1	1.7
1984	1.6	2.8	0.7	1.3	1.6
1985	2.4	2.2	4.0	4.0	3.2
1986	3.1	2.9	2.6	3.5	3.0
1987	4.4	5.3	4.6	5.2	4.9
1988	4.1	3.9	4.0	3.8	3.9
1989	5.3	5.5	5.7	6.4	5.7
1990	5.0	5.1	4.3	3.8	4.5
1991	3.4	1.6	2.0	1.1	2.0
1992	1.0	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	0.0	-0.4	-1.0	-1.2	-0.7
1996	-1.0	-1.0	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-7

**CONSTRUCTION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	25.0	24.7	23.1	23.0	24.0
1981	23.0	22.3	21.8	20.5	21.9
1982	19.0	18.1	17.4	16.9	17.9
1983	18.1	17.8	17.9	17.5	17.8
1984	17.0	17.0	15.7	13.5	15.8
1985	16.0	17.0	17.9	17.9	17.2
1986	17.4	17.6	19.4	20.2	18.6
1987	20.6	21.2	21.5	21.5	21.2
1988	21.7	23.0	24.0	24.9	23.4
1989	26.5	28.6	30.2	31.5	29.2
1990	30.9	31.4	32.9	34.0	32.3
1991	33.5	33.8	34.0	33.0	33.6
1992	31.2	31.0	31.3	32.6	31.5
1993	32.7	32.7	32.5	31.5	32.3
1994	29.5	29.3	29.5	28.5	29.2
1995	26.5	26.2	26.5	26.4	26.4
1996	24.8	24.2	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.5	8.0	-4.2	-4.9	2.4
1981	-8.1	-9.8	-5.4	-11.0	-8.6
1982	-17.4	-18.8	-20.2	-17.4	-18.5
1983	-4.6	-1.8	2.9	3.4	-0.1
1984	-6.4	-4.7	-12.4	-22.7	-11.5
1985	-5.6	0.0	13.9	31.9	8.8
1986	8.6	3.5	8.5	13.2	8.5
1987	18.6	20.9	10.8	6.4	13.8
1988	5.2	8.5	11.7	16.0	10.4
1989	22.3	24.3	25.6	26.5	24.7
1990	16.6	9.9	9.2	7.8	10.7
1991	8.2	7.5	3.1	-2.9	3.8
1992	-6.8	-8.2	-7.8	-1.2	-6.0
1993	4.7	5.3	3.8	-3.4	2.5
1994	-9.8	-10.3	-9.1	-9.7	-9.7
1995	-10.0	-10.7	-10.2	-7.1	-9.5
1996	-6.4	-7.6	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-8

**MANUFACTURING JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	23.0	23.5	24.6	22.2	23.3
1981	22.4	23.8	23.9	21.8	23.0
1982	21.6	22.8	23.7	21.6	22.4
1983	22.0	22.3	23.5	21.7	22.4
1984	21.5	22.0	22.5	21.5	21.9
1985	21.4	22.0	22.4	22.0	21.9
1986	21.8	22.3	22.3	21.8	22.0
1987	21.8	21.9	22.0	21.8	21.9
1988	21.8	22.2	22.2	21.7	22.0
1989	21.6	21.4	21.6	21.4	21.5
1990	21.1	21.0	21.1	21.0	21.1
1991	20.6	20.4	20.6	20.3	20.5
1992	19.7	19.6	20.0	19.4	19.7
1993	19.3	19.3	19.4	18.7	19.2
1994	17.8	18.0	17.9	17.4	17.8
1995	16.8	16.9	17.1	16.9	16.9
1996	16.6	16.5	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.6	-2.2	-4.2	-2.2	-2.4
1981	-2.5	1.2	-2.6	-2.1	-1.5
1982	-3.7	-4.3	-1.0	-0.8	-2.4
1983	1.9	-2.3	-0.8	0.3	-0.3
1984	-2.1	-1.3	-4.2	-0.9	-2.2
1985	-0.7	-0.1	-0.6	2.3	0.2
1986	1.7	1.7	-0.4	-0.8	0.6
1987	0.4	-1.9	-1.2	0.2	-0.6
1988	-0.3	1.4	0.8	-0.5	0.3
1989	-0.7	-3.6	-2.9	-1.6	-2.2
1990	-2.4	-1.9	-1.9	-1.9	-2.0
1991	-2.5	-3.1	-2.4	-3.3	-2.8
1992	-4.3	-3.5	-3.0	-4.4	-3.8
1993	-2.0	-2.0	-3.3	-3.4	-2.6
1994	-7.5	-6.6	-7.7	-7.2	-7.2
1995	-5.9	-6.2	-4.1	-2.6	-4.7
1996	-1.1	-2.2	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-9

**TRANSPORTATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	21.4	21.4	21.4	21.8	21.5
1981	21.3	22.0	22.3	22.0	21.9
1982	21.3	21.4	21.1	21.0	21.2
1983	20.8	20.9	21.3	21.5	21.1
1984	21.5	22.0	22.3	22.7	22.1
1985	22.8	23.4	23.5	23.9	23.4
1986	24.1	24.4	24.6	25.2	24.5
1987	26.0	26.8	27.2	27.6	26.9
1988	27.5	27.8	27.8	28.1	27.8
1989	29.0	29.7	29.9	31.0	29.9
1990	30.9	31.4	31.9	33.2	31.8
1991	32.8	32.4	33.0	33.3	32.9
1992	32.9	33.0	33.1	32.6	32.9
1993	31.5	31.4	31.2	31.1	31.3
1994	31.9	32.3	31.7	31.7	31.9
1995	30.6	30.8	30.6	30.9	30.7
1996	30.8	30.4	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	1.0	1.5	1.6	1.6	1.4
1981	-0.6	2.7	4.1	1.1	1.8
1982	-0.2	-2.5	-5.3	-4.9	-3.3
1983	-2.0	-2.6	1.1	2.5	-0.3
1984	3.0	5.3	4.6	5.4	4.6
1985	6.1	6.6	5.5	5.3	5.9
1986	5.6	4.2	4.5	5.5	4.9
1987	8.1	9.8	10.9	9.7	9.7
1988	5.6	3.8	1.9	1.8	3.2
1989	5.6	6.9	7.6	10.1	7.6
1990	6.4	5.7	7.0	7.3	6.6
1991	6.2	3.2	3.2	0.2	3.2
1992	0.3	1.9	0.4	-1.9	0.2
1993	-4.1	-4.9	-5.6	-4.6	-4.8
1994	1.1	2.7	1.3	1.9	1.8
1995	-3.9	-4.6	-3.4	-2.7	-3.6
1996	0.7	-1.2	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-10

**COMMUNICATION JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	7.0	7.1	7.2	7.3	7.1
1981	7.3	7.4	7.5	7.4	7.4
1982	7.5	7.4	7.5	7.5	7.5
1983	7.5	7.6	7.5	7.5	7.5
1984	7.5	7.6	7.5	7.4	7.5
1985	7.4	7.3	7.3	7.3	7.3
1986	7.1	7.1	7.1	7.1	7.1
1987	7.2	7.3	7.2	7.4	7.3
1988	7.6	7.5	7.5	7.6	7.6
1989	7.3	7.3	7.3	7.3	7.3
1990	7.3	7.4	7.4	7.4	7.4
1991	7.5	7.4	7.3	7.2	7.3
1992	7.0	7.0	6.9	6.8	6.9
1993	6.7	6.5	6.3	6.2	6.4
1994	6.3	6.2	6.2	6.3	6.3
1995	6.2	6.2	6.3	6.2	6.2
1996	6.2	6.3	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	5.8	5.7	4.9	4.8	5.3
1981	5.3	4.5	4.0	1.6	3.8
1982	2.0	0.0	0.4	2.0	1.1
1983	0.7	1.8	0.2	0.0	0.7
1984	-0.2	0.0	-0.9	-1.1	-0.5
1985	-1.1	-3.1	-1.6	-2.0	-1.9
1986	-5.2	-2.5	-3.4	-2.1	-3.3
1987	1.9	2.3	1.4	3.7	2.4
1988	6.3	3.0	4.4	2.0	3.9
1989	-4.6	-3.3	-2.7	-2.9	-3.4
1990	0.2	1.8	1.6	1.4	1.3
1991	2.5	-0.2	-1.3	-3.1	-0.6
1992	-6.7	-5.4	-6.2	-5.1	-5.8
1993	-3.6	-7.4	-8.5	-9.5	-7.2
1994	-5.9	-4.1	-1.6	2.4	-2.4
1995	-2.9	0.5	2.2	-1.6	-0.5
1996	1.1	0.8	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



Table A-11  
**UTILITIES JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	2.6	2.6	2.6	2.6	2.6
1981	2.6	2.6	2.6	2.7	2.6
1982	2.6	2.6	2.6	2.6	2.6
1983	2.4	2.4	2.4	2.4	2.4
1984	2.4	2.4	2.4	2.4	2.4
1985	2.4	2.5	2.5	2.5	2.5
1986	2.4	2.6	2.6	2.6	2.6
1987	2.6	2.7	2.7	2.7	2.6
1988	2.7	2.7	2.7	2.7	2.7
1989	2.7	2.8	2.8	2.8	2.8
1990	3.0	3.0	3.0	3.0	3.0
1991	3.0	3.1	3.2	3.2	3.1
1992	3.3	3.4	3.5	3.5	3.4
1993	3.5	3.6	3.6	3.6	3.6
1994	3.6	3.6	3.7	3.7	3.7
1995	3.7	3.8	3.8	3.8	3.8
1996	3.8	3.7	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	2.0	2.0	0.7	4.0	2.2
1981	2.0	0.7	2.6	1.9	1.8
1982	0.0	-1.3	-2.6	-3.8	-1.9
1983	-6.4	-5.8	-4.6	-4.6	-5.4
1984	-1.4	0.0	-1.4	-1.4	-1.0
1985	1.4	2.1	4.2	4.2	3.0
1986	0.0	4.1	4.0	5.3	3.4
1987	6.9	3.2	2.6	0.6	3.3
1988	1.9	0.0	1.9	1.9	1.4
1989	1.9	5.0	4.3	4.9	4.1
1990	9.9	9.0	6.5	4.1	7.3
1991	2.2	1.6	4.4	7.9	4.0
1992	9.9	10.3	10.1	10.0	10.0
1993	5.0	4.9	3.3	1.9	3.8
1994	2.9	1.9	1.9	4.2	2.7
1995	3.3	3.7	3.2	0.9	2.7
1996	0.9	-0.9	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-12

**RETAIL TRADE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	86.2	86.0	87.0	87.6	86.7
1981	86.7	86.0	86.8	87.4	86.8
1982	86.5	86.3	86.3	86.2	86.3
1983	87.1	86.5	89.4	90.7	88.5
1984	89.8	91.4	92.8	95.8	92.4
1985	95.1	95.9	96.1	97.3	96.1
1986	96.6	96.5	99.4	101.2	98.4
1987	100.8	102.4	103.9	106.4	103.4
1988	104.7	106.8	107.0	108.5	106.7
1989	109.0	110.1	110.6	113.3	110.7
1990	112.0	113.0	113.7	115.3	113.5
1991	113.8	112.5	114.3	114.3	113.7
1992	113.6	113.2	113.7	112.4	113.2
1993	110.0	110.7	111.2	112.4	111.1
1994	110.4	110.1	111.8	114.9	111.8
1995	113.7	113.2	114.6	115.1	114.1
1996	113.4	113.1	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	2.1	2.1	2.5	3.0	2.4
1981	0.7	0.0	-0.2	-0.1	0.1
1982	-0.2	0.3	-0.6	-1.4	-0.5
1983	0.7	0.2	3.7	5.3	2.5
1984	3.0	5.6	3.8	5.5	4.5
1985	5.9	4.9	3.5	1.6	3.9
1986	1.6	0.6	3.4	4.0	2.4
1987	4.3	6.2	4.6	5.1	5.0
1988	3.9	4.3	2.9	2.0	3.3
1989	4.1	3.0	3.3	4.4	3.7
1990	2.7	2.6	2.8	1.8	2.5
1991	1.6	-0.4	0.5	-0.8	0.2
1992	-0.1	0.6	-0.5	-1.6	-0.4
1993	-3.2	-2.2	-2.2	0.0	-1.9
1994	0.3	-0.6	0.5	2.2	0.6
1995	3.0	2.8	2.6	0.2	2.1
1996	-0.2	-0.1	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-13

**WHOLESALE TRADE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	18.5	18.7	18.7	18.5	18.6
1981	18.6	18.6	18.8	18.8	18.7
1982	18.8	18.7	18.5	18.1	18.5
1983	18.3	18.2	18.4	18.7	18.4
1984	18.7	19.0	19.0	19.1	19.0
1985	19.3	19.5	19.8	19.7	19.6
1986	19.2	19.4	19.7	20.0	19.6
1987	20.0	20.4	20.5	20.7	20.4
1988	20.2	20.6	21.1	21.1	20.7
1989	21.5	21.9	21.9	22.2	21.9
1990	21.9	22.3	22.8	22.9	22.5
1991	22.7	22.6	22.7	22.9	22.7
1992	22.7	22.6	22.4	22.4	22.5
1993	22.0	22.1	21.8	21.8	21.9
1994	21.5	21.5	21.6	21.5	21.5
1995	21.6	21.5	21.5	21.5	21.5
1996	21.3	21.3	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	3.3	2.7	1.4	-0.4	1.8
1981	0.4	-0.4	0.4	1.6	0.5
1982	0.9	0.7	-1.6	-3.7	-0.9
1983	-2.7	-2.9	-0.2	3.1	-0.7
1984	2.3	4.7	3.1	2.1	3.0
1985	3.0	2.6	4.0	3.1	3.2
1986	-0.5	-0.7	-0.3	1.4	0.0
1987	4.3	5.0	3.8	3.8	4.2
1988	1.1	0.9	2.9	2.0	1.7
1989	6.3	6.4	4.1	4.9	5.4
1990	2.3	2.0	4.1	3.5	3.0
1991	3.5	1.3	-0.6	-0.1	1.0
1992	-0.1	0.1	-1.4	-2.3	-0.9
1993	-3.2	-2.1	-2.6	-2.7	-2.6
1994	-2.0	-2.6	-1.1	-1.4	-1.9
1995	0.3	-0.2	-0.4	-0.2	-0.1
1996	-1.2	-0.8	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-14

**FINANCE, INSURANCE AND REAL ESTATE JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	33.4	32.8	32.7	32.4	32.8
1981	31.7	31.7	31.9	31.5	31.7
1982	32.0	31.7	31.3	31.2	31.5
1983	31.7	31.7	32.2	32.0	31.9
1984	32.0	31.9	31.9	31.7	31.9
1985	31.5	31.9	32.0	32.2	31.9
1986	32.6	32.8	33.5	33.8	33.2
1987	33.5	33.8	33.8	33.8	33.7
1988	34.0	34.3	34.6	34.8	34.4
1989	34.7	34.9	35.2	36.2	35.2
1990	35.9	36.8	37.3	37.3	36.8
1991	37.3	37.3	37.5	37.5	37.4
1992	37.2	37.7	38.3	38.6	37.9
1993	38.3	38.8	39.5	39.2	39.0
1994	38.7	38.6	38.5	37.8	38.4
1995	37.2	37.0	37.1	37.2	37.1
1996	37.1	36.9	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.0	5.9	1.5	-0.5	4.3
1981	-5.0	-3.4	-2.5	-2.8	-3.4
1982	0.8	-0.2	-1.9	-1.1	-0.6
1983	-0.9	0.1	2.8	2.7	1.2
1984	0.9	0.7	-1.0	-1.0	-0.1
1985	-1.5	-0.1	0.5	1.6	0.1
1986	3.5	2.7	4.4	5.0	3.9
1987	2.7	3.1	1.1	-0.1	1.7
1988	1.6	1.5	2.4	3.1	2.2
1989	1.9	1.9	1.6	3.9	2.3
1990	3.6	5.3	5.9	3.0	4.4
1991	3.7	1.3	0.6	0.6	1.5
1992	-0.2	1.3	2.0	2.8	1.5
1993	3.1	2.8	3.3	1.6	2.7
1994	1.0	-0.6	-2.6	-3.5	-1.4
1995	-3.9	-4.0	-3.6	-1.8	-3.4
1996	-0.4	-0.4	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-15

**SERVICES AND MISCELLANEOUS JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	97.4	98.5	98.5	99.4	98.5
1981	103.3	102.7	100.6	101.0	101.9
1982	102.1	101.0	100.5	101.4	101.2
1983	104.0	103.8	105.7	106.4	104.9
1984	107.6	108.7	107.1	108.5	108.0
1985	110.7	110.5	113.8	115.7	112.6
1986	117.3	118.4	118.8	120.4	118.7
1987	123.6	125.2	126.8	130.6	126.5
1988	130.8	131.4	133.6	137.3	133.3
1989	141.5	143.4	146.6	150.0	145.4
1990	152.4	153.3	154.9	157.0	154.4
1991	157.4	157.1	160.2	161.7	159.1
1992	162.9	163.1	164.9	163.4	163.6
1993	163.1	163.1	161.9	162.1	162.6
1994	162.6	163.4	164.2	165.3	163.9
1995	165.0	164.6	164.1	165.5	164.8
1996	165.0	165.1	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	1.9	3.5	3.9	3.7	3.2
1981	6.0	4.3	2.2	1.6	3.5
1982	-1.2	-1.7	-0.1	0.4	-0.7
1983	1.9	2.8	5.2	4.9	3.7
1984	3.4	4.7	1.4	2.0	2.9
1985	2.9	1.7	6.2	6.6	4.3
1986	6.0	7.1	4.5	4.1	5.4
1987	5.4	5.7	6.7	8.4	6.6
1988	5.8	5.0	5.4	5.1	5.3
1989	8.2	9.2	9.8	9.3	9.1
1990	7.7	6.9	5.6	4.6	6.2
1991	3.3	2.5	3.4	3.0	3.0
1992	3.5	3.8	2.9	1.0	2.8
1993	0.1	0.0	-1.8	-0.8	-0.6
1994	-0.3	0.2	1.4	2.0	0.8
1995	1.5	0.7	-0.1	0.1	0.6
1996	0.0	0.3	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-16  
**HOTEL JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	24.8	25.2	24.7	25.0	24.9
1981	24.9	24.5	24.6	25.1	24.8
1982	26.7	26.7	26.3	26.4	26.5
1983	26.6	27.0	27.1	27.3	27.0
1984	28.2	28.4	27.9	28.5	28.3
1985	29.4	28.9	28.8	28.9	29.0
1986	29.1	29.2	29.6	29.2	29.2
1987	30.5	30.5	31.2	32.8	31.3
1988	33.7	33.5	34.4	35.7	34.3
1989	36.8	36.7	37.1	37.5	37.0
1990	37.6	38.5	38.8	40.2	38.8
1991	40.5	39.8	41.3	41.5	40.8
1992	41.5	41.3	40.8	40.2	41.0
1993	38.6	38.1	37.7	37.6	38.0
1994	37.7	37.9	38.1	38.3	38.0
1995	38.1	37.5	37.7	38.1	37.9
1996	38.7	38.9	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.7	5.4	4.3	4.2	3.3
1981	0.7	-2.6	-0.1	0.2	-0.4
1982	7.0	8.7	6.7	5.4	7.0
1983	-0.2	1.2	3.2	3.5	1.9
1984	6.1	5.3	2.8	4.2	4.6
1985	4.1	1.5	3.0	1.5	2.5
1986	-1.0	1.0	2.8	0.8	0.9
1987	4.8	4.7	5.5	12.5	6.9
1988	10.3	9.9	10.1	9.0	9.8
1989	9.4	9.3	8.0	4.9	7.9
1990	2.0	5.0	4.6	7.2	4.7
1991	7.8	3.5	6.4	3.4	5.2
1992	2.4	3.8	-1.2	-3.2	0.4
1993	-6.8	-7.9	-7.7	-6.6	-7.3
1994	-2.4	-0.6	1.2	2.1	0.1
1995	1.1	-1.0	-1.0	-0.5	-0.4
1996	1.6	3.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-17

**FEDERAL GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	29.5	30.4	30.1	29.9	30.0
1981	29.9	30.2	30.5	30.9	30.4
1982	30.9	31.5	31.7	32.0	31.5
1983	32.1	32.2	32.1	32.1	32.1
1984	31.7	32.0	32.2	32.6	32.1
1985	32.3	32.3	32.4	32.5	32.4
1986	32.1	32.0	32.0	32.2	32.1
1987	32.0	32.7	32.9	33.4	32.8
1988	33.8	33.7	33.8	34.1	33.8
1989	33.8	33.9	34.0	34.2	34.0
1990	33.9	35.0	34.1	33.7	34.1
1991	33.4	33.5	34.4	34.1	33.9
1992	33.7	33.5	33.0	32.9	33.3
1993	31.8	32.0	31.9	31.7	31.8
1994	31.3	31.6	31.2	30.9	31.3
1995	30.5	30.8	30.8	30.7	30.7
1996	30.6	30.8	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.1	2.5	1.5	-0.2	0.9
1981	1.3	-0.8	1.2	3.4	1.3
1982	3.3	4.5	3.9	3.5	3.8
1983	3.9	2.3	1.3	0.1	1.9
1984	-1.0	-0.9	0.3	1.6	0.0
1985	1.7	1.2	0.7	-0.3	0.8
1986	-0.4	-1.0	-1.3	-0.8	-0.9
1987	-0.3	2.2	3.0	3.6	2.1
1988	5.4	2.9	2.5	2.0	3.2
1989	0.2	0.7	0.6	0.4	0.5
1990	0.1	3.1	0.2	-1.5	0.5
1991	-1.3	-4.2	1.1	1.3	-0.8
1992	0.7	0.0	-4.0	-3.6	-1.8
1993	-5.6	-4.5	-3.6	-3.7	-4.3
1994	-1.4	-1.3	-2.0	-2.3	-1.7
1995	-2.7	-2.4	-1.3	-0.8	-1.8
1996	0.5	0.0	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-18

**STATE GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	46.1	47.1	41.2	46.3	45.2
1981	46.6	47.1	41.1	46.3	45.3
1982	46.4	47.3	41.8	47.0	45.6
1983	47.2	47.6	41.4	47.4	45.9
1984	47.8	48.2	42.3	47.8	46.5
1985	48.5	48.8	43.3	48.9	47.4
1986	49.8	50.2	44.5	50.0	48.6
1987	50.9	51.7	45.5	51.4	49.9
1988	52.4	53.5	47.8	53.7	51.8
1989	54.3	55.3	49.0	55.6	53.5
1990	56.9	59.9	51.3	60.2	57.1
1991	61.8	62.8	53.4	63.0	60.3
1992	64.4	65.7	55.5	64.8	62.6
1993	66.0	68.0	56.8	66.1	64.2
1994	66.5	68.2	58.0	67.3	65.0
1995	67.5	68.7	55.8	63.8	63.9
1996	64.2	66.0	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	5.3	3.1	0.8	8.0	4.3
1981	1.2	-0.2	-0.2	0.1	0.2
1982	-0.4	0.5	1.7	1.5	0.8
1983	1.5	0.5	-0.8	0.8	0.6
1984	1.4	1.4	2.2	0.9	1.4
1985	1.5	1.3	2.4	2.3	1.8
1986	2.6	2.7	2.8	2.3	2.6
1987	2.3	3.1	2.1	2.8	2.6
1988	2.8	3.4	5.1	4.6	3.9
1989	3.6	3.4	2.5	3.5	3.3
1990	4.8	8.3	4.8	8.1	6.6
1991	8.6	4.9	4.1	4.7	5.6
1992	4.2	4.5	3.9	2.8	3.8
1993	2.6	3.6	2.3	2.0	2.7
1994	0.7	0.2	2.2	1.8	1.2
1995	1.6	0.7	-3.9	-5.2	-1.6
1996	-4.9	-3.9	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



Table A-19

**LOCAL GOVERNMENT JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	13.2	13.2	16.1	13.1	13.9
1981	12.9	12.5	15.6	12.4	13.4
1982	12.2	12.5	15.2	12.7	13.2
1983	12.4	12.6	15.5	12.6	13.3
1984	12.5	12.7	14.7	12.9	13.2
1985	12.7	12.6	16.0	12.7	13.5
1986	12.6	12.7	14.4	12.9	13.1
1987	12.8	13.0	14.5	13.4	13.4
1988	13.4	13.5	14.8	13.7	13.9
1989	13.6	13.8	15.1	13.9	14.1
1990	13.9	14.1	15.2	14.4	14.4
1991	14.3	14.5	15.6	14.7	14.8
1992	14.7	14.9	16.2	15.3	15.3
1993	15.2	15.3	16.2	15.4	15.5
1994	15.4	15.4	16.3	15.4	15.6
1995	16.3	16.2	17.1	16.2	16.4
1996	16.2	16.4	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-0.9	-0.7	1.7	13.3	2.9
1981	-2.3	-5.3	-3.3	-5.2	-4.0
1982	-4.9	-0.1	-2.5	2.0	-1.5
1983	1.7	0.3	2.2	-0.4	1.0
1984	0.6	0.8	-5.3	1.8	-0.8
1985	1.2	-0.1	8.6	-1.1	2.4
1986	-0.9	0.1	-9.8	1.6	-2.7
1987	1.7	2.7	0.3	3.6	2.0
1988	4.7	4.1	2.1	2.6	3.3
1989	1.6	1.9	2.1	0.9	1.6
1990	2.0	2.0	1.3	3.7	2.2
1991	3.2	3.0	2.0	2.4	2.6
1992	2.4	2.7	4.0	4.3	3.4
1993	3.4	2.6	0.0	0.6	1.6
1994	1.3	0.8	0.8	-0.2	0.7
1995	5.8	5.5	4.7	5.2	5.3
1996	-0.1	0.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-20

**AGRICULTURE WAGE AND SALARY JOBS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	10.0	10.9	11.6	10.7	10.8
1981	10.0	12.0	12.7	11.3	11.5
1982	9.9	11.4	12.5	11.3	11.3
1983	9.9	11.3	12.3	11.2	11.2
1984	9.6	11.1	11.9	10.6	10.8
1985	9.8	10.5	11.2	10.1	10.4
1986	9.8	9.9	10.8	10.0	10.1
1987	10.0	10.5	11.3	10.4	10.5
1988	9.7	9.7	10.5	10.0	10.0
1989	9.2	9.7	10.2	9.4	9.6
1990	8.8	9.4	10.4	9.5	9.5
1991	8.8	9.4	10.2	9.9	9.6
1992	9.2	9.3	9.7	9.0	9.3
1993	8.8	8.3	8.8	8.4	8.6
1994	8.0	8.0	8.5	7.6	8.0
1995	7.1	6.9	7.4	7.7	7.3
1996	7.3	7.3	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	4.6	0.5	-1.2	-0.9	0.6
1981	0.1	9.6	9.4	5.8	6.4
1982	-1.1	-4.7	-1.6	0.2	-1.9
1983	0.7	-1.0	-1.8	-1.1	-0.9
1984	-2.9	-1.9	-2.9	-5.4	-3.3
1985	1.8	-5.0	-5.9	-4.5	-3.6
1986	0.3	-5.7	-4.0	-1.2	-2.7
1987	1.6	5.7	4.7	3.6	3.9
1988	-2.5	-7.2	-6.9	-3.7	-5.2
1989	-5.2	-0.5	-3.4	-5.4	-3.6
1990	-4.3	-3.3	2.6	1.1	-0.9
1991	-0.4	-0.1	-2.4	3.8	0.2
1992	4.5	-0.3	-5.0	-9.4	-2.8
1993	-4.8	-10.6	-8.8	-7.0	-7.8
1994	-8.5	-4.0	-3.8	-9.4	-6.4
1995	-11.4	-13.3	-13.2	2.4	-9.1
1996	2.8	5.8	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-21

**SELF-EMPLOYED AGRICULTURE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	4.8	4.6	4.0	4.9	4.6
1981	4.3	4.0	4.4	4.7	4.4
1982	4.0	3.7	3.8	4.3	4.0
1983	3.6	3.6	3.9	4.5	3.9
1984	3.7	3.6	3.9	3.4	3.7
1985	3.4	3.4	3.8	3.5	3.5
1986	3.0	2.9	3.5	3.5	3.2
1987	3.4	3.6	4.1	3.6	3.7
1988	3.5	3.5	3.7	3.8	3.6
1989	3.3	3.5	3.7	3.6	3.5
1990	3.1	3.3	4.0	3.9	3.6
1991	3.8	3.9	4.7	4.6	4.3
1992	4.3	4.4	4.6	4.1	4.3
1993	3.9	3.9	4.1	4.0	4.0
1994	3.8	3.9	3.9	3.8	3.8
1995	3.7	3.7	3.9	4.0	3.8
1996	3.7	3.9	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	27.2	15.8	-16.0	-8.6	2.4
1981	-10.3	-13.0	8.7	-5.1	-5.4
1982	-7.3	-9.0	-12.2	-7.2	-8.9
1983	-11.4	-2.3	2.0	3.2	-2.1
1984	4.7	1.1	-0.4	-24.1	-5.7
1985	-10.0	-5.7	-3.7	1.4	-4.6
1986	-11.1	-16.3	-8.3	1.3	-8.6
1987	12.8	27.6	18.6	3.7	15.2
1988	3.3	-5.4	-10.6	3.9	-2.6
1989	-4.9	0.8	1.0	-5.2	-2.1
1990	-7.0	-4.3	7.7	10.0	1.9
1991	23.4	18.1	18.7	17.4	19.3
1992	12.3	12.7	-3.5	-12.3	1.4
1993	-8.6	-12.4	-10.2	-1.5	-8.3
1994	-2.1	-0.8	-4.9	-6.0	-3.5
1995	-3.5	-3.0	0.0	7.1	0.1
1996	0.4	3.1	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-22

**SELF-EMPLOYED NON-AGRICULTURE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	27.2	27.6	29.4	29.0	28.3
1981	29.0	29.5	30.1	28.0	29.1
1982	31.1	31.4	32.2	30.5	31.3
1983	32.4	33.5	33.2	30.1	32.3
1984	33.0	34.1	34.0	32.8	33.5
1985	32.5	32.6	33.2	35.3	33.4
1986	33.0	35.1	36.5	34.3	34.7
1987	26.3	30.8	34.1	31.7	30.7
1988	30.6	34.3	33.8	32.2	32.7
1989	31.2	33.7	34.5	34.1	33.4
1990	32.1	32.6	32.5	33.7	32.7
1991	34.3	35.6	35.8	35.5	35.3
1992	34.6	34.7	35.0	35.0	34.8
1993	37.2	38.5	38.8	38.7	38.3
1994	34.5	34.6	33.8	33.4	34.1
1995	33.1	32.1	32.3	31.8	32.3
1996	32.1	31.5	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.7	12.7	16.4	22.2	16.2
1981	6.6	6.9	2.4	-3.5	3.0
1982	7.3	6.6	6.9	9.1	7.4
1983	4.0	6.8	3.1	-1.4	3.2
1984	1.7	1.8	2.4	8.9	3.6
1985	-1.4	-4.6	-2.3	7.8	-0.2
1986	1.6	7.7	10.0	-2.9	4.0
1987	-20.4	-12.2	-6.6	-7.7	-11.6
1988	16.4	11.4	-0.8	1.7	6.6
1989	2.1	-1.7	2.1	6.0	2.1
1990	3.0	-3.3	-5.8	-1.2	-2.0
1991	6.7	9.1	10.0	5.1	7.7
1992	0.8	-2.4	-2.1	-1.2	-1.2
1993	7.5	10.9	10.7	10.4	9.9
1994	-7.2	-10.2	-12.8	-13.6	-11.0
1995	-4.1	-7.2	-4.3	-4.7	-5.1
1996	-3.0	-1.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

Table A-23  
**LABOR DISPUTES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Number of Persons					
1980	0.1	0.1	1.8	0.0	0.5
1981	0.1	0.0	0.2	0.1	0.1
1982	0.0	0.1	0.1	0.2	0.1
1983	0.0	0.1	0.4	0.1	0.1
1984	0.2	0.0	0.4	1.4	0.5
1985	0.2	0.2	0.0	0.1	0.1
1986	0.1	0.1	0.1	0.6	0.2
1987	0.1	0.1	0.1	0.1	0.1
1988	0.1	0.1	0.1	0.2	0.1
1989	0.0	0.0	0.0	0.0	0.0
1990	2.5	0.0	0.0	0.0	0.6
1991	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	0.0	0.0
1993	0.0	0.0	0.0	0.1	0.0
1994	0.1	0.0	0.1	0.1	0.0
1995	0.1	0.1	0.0	0.0	0.0
1996	0.1	0.0	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	75.0	-81.2	n/a	n/a	-27.9
1981	-57.3	-100.0	-91.7	(X)	-84.9
1982	-100.0	(X)	-66.7	117.0	5.3
1983	(X)	166.0	634.0	-69.1	79.7
1984	(X)	-100.0	-4.6	1940.3	228.9
1985	55.3	(X)	-95.1	-96.3	-74.9
1986	-78.5	-40.1	388.2	1166.0	85.5
1987	0.0	-50.0	-19.3	-92.1	-75.1
1988	0.0	0.0	74.6	234.0	77.8
1989	-100.0	-100.0	-100.0	-80.2	-91.7
1990	(X)	(X)	(X)	-100.0	7712.5
1991	-100.0	-100.0	-100.0	(X)	-100.0
1992	(X)	(X)	(X)	(X)	(X)
1993	(X)	(X)	(X)	(X)	(X)
1994	(X)	(X)	194.1	0.0	147.1
1995	0.0	194.1	-66.0	-100.0	-31.0
1996	100.0	-34.0	n/a	n/a	n/a

Notes: n/a = not available.

(X) = not applicable.

Source: Hawaii State Department of Labor and Industrial Relations.

## Quarterly Statistical & Economic Report

September 1996

### INCOME AND PRICES

The latest data indicate that personal income growth is slowing. The U.S. Bureau of Economic Analysis revised its estimates of Hawaii personal income for 1995 when it released the first quarter 1996 number in June 1996. The revised numbers show stronger growth in the first three quarters of 1995 than previously reported and much slower growth in the fourth quarter of 1995 (1.8 percent over the fourth quarter of 1994 as compared to the earlier estimate of 2.8 percent growth). Continuing this trend, BEA estimates that personal income grew 1.1 percent from the first quarter of 1995 to the first quarter of 1996. This growth was lower than the 2.2 percent increase in consumer prices over the same period (table B-9).

The largest component of personal income, wage and salary disbursements, fell 0.2 percent in the first quarter of 1996 as compared to the year-earlier figure (table B-1). This decrease reflects the decline in the number of wage and salary jobs (table A-5). On the other hand, total earnings increased 0.2 percent from the first quarter of 1995 to the first quarter of 1996 as a result of a 3.0 percent increase in proprietors' income. Transfer payments also showed growth of 5.8 percent in the first quarter of 1996 over the year-earlier quarter.

By industry, earnings declined between the first quarter of 1995 and the first quarter of 1996 in construction (-9.2 percent); state and local government (-3.1 percent); finance, insurance, and real estate (-2.5 percent); and the federal military (-1.7 percent). These declines were offset by increases in earnings in transportation, communications and utilities (9.0 percent); retail trade (4.1 percent); and wholesale trade (2.3 percent).

#### Introduction

#### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

#### Part II - Labor Force and Jobs - Overview

#### Part III - Income and Prices - Overview

#### Part IV - Tax Base and Revenues - Overview

#### Part V - Tourism - Overview

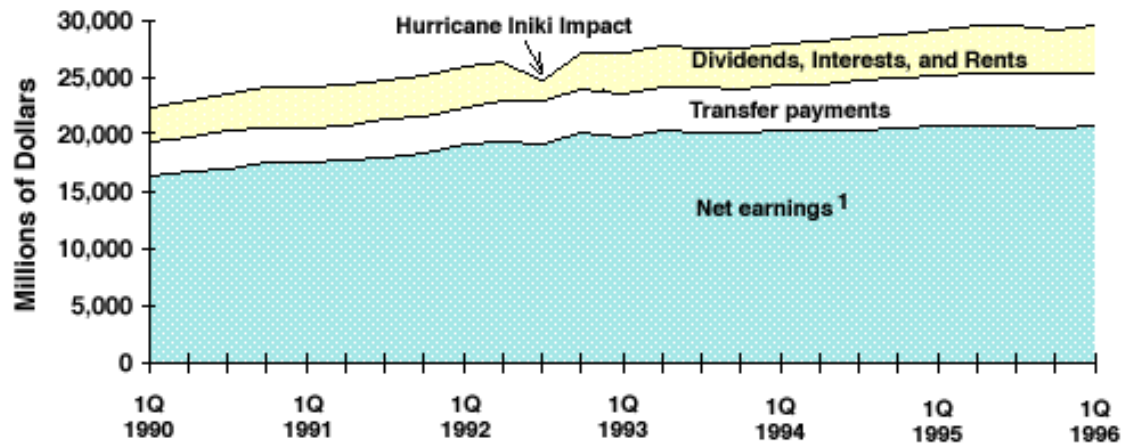
#### Part VI - Construction - Overview

#### Terms and Definitions

#### Archive

#### Statistics & Publications

## PERSONAL INCOME



Note: 1/ Net earnings - Total Wage and Salaries + Other Labor Income + Proprietors' Income - Contribution to Social Insurance.

Source: Research and Economic Analysis Division, DBEDT

[Download a spreadsheet file of Tables B-1 through B-9.](#) (q3inc.xls)

Table B-1

**PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES**

Series	1995	1st Q. 1996	Percentage Change from Previous Year	
			1995	1st Q. 1996
<b>Derivation of Personal Income:</b>				
Wage and salary disbursements	17,082	17,028	1.7	-0.2
Plus: Other labor income	1,912	1,883	2.7	-1.4
Plus: Proprietors' income	3,127	3,187	3.9	3.0
Total earnings	22,120	22,099	2.1	0.2
Less: Personal contrib. for social insur.	1,314	1,299	1.9	-1.3
Net earnings	20,807	20,799	2.1	0.0
Plus: Dividends, interest, rent	3,971	3,964	6.9	0.4
Plus: Transfer payments	4,562	4,725	7.5	5.8
Personal income	29,340	29,488	3.5	1.1
<b>Total Earnings by Industry:</b>	22,120	22,099	2.1	0.2
Farm	236	247	3.1	6.9
Nonfarm	21,885	21,852	2.1	0.1
Private	16,568	16,567	2.7	0.6
Agriculture forestry, fish., other	150	151	1.4	0.0
Mining	22	23	22.2	4.5
Construction	1,520	1,426	-10.7	-9.2
Manufacturing	939	929	0.5	0.4
Transp., comm., utilities	1,840	1,910	2.7	9.0
Wholesale trade	824	836	2.2	2.3
Retail trade	2,930	3,001	3.4	4.1
Finance, insur., real estate	1,634	1,568	9.2	-2.5
Services	6,710	6,722	4.9	-0.3
Government & govt. enterprises	5,316	5,285	0.1	-1.3
Federal civilian	1,292	1,324	3.1	2.8
Federal military	1,485	1,468	-2.8	-1.7
State and local	2,540	2,493	0.4	-3.1

Source: U.S. Department of Commerce, Bureau of Economic Analysis.



Table B-2

**PERSONAL INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	10,148	10,126	10,501	10,950	10,431
1981	10,951	11,103	11,390	11,527	11,243
1982	11,563	11,889	12,108	12,171	11,933
1983	12,805	12,905	13,182	13,575	13,117
1984	13,531	13,928	14,132	14,284	13,969
1985	14,547	14,767	15,010	15,317	14,910
1986	15,590	15,841	16,283	16,505	16,055
1987	16,619	16,968	17,338	17,804	17,182
1988	18,298	18,661	19,040	19,696	18,924
1989	20,223	20,723	21,180	21,701	20,957
1990	22,346	22,995	23,576	24,149	23,267
1991	24,101	24,288	24,679	25,110	24,545
1992	25,993	26,364	24,782	27,263	26,101
1993	27,195	27,587	27,568	27,515	27,466
1994	28,024	28,125	28,395	28,797	28,335
1995	29,155	29,412	29,475	29,318	29,340
1996	29,488	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	16.7	13.2	13.7	15.6	14.8
1981	7.9	9.6	8.5	5.3	7.8
1982	5.6	7.1	6.3	5.6	6.1
1983	10.7	8.5	8.9	11.5	9.9
1984	5.7	7.9	7.2	5.2	6.5
1985	7.5	6.0	6.2	7.2	6.7
1986	7.2	7.3	8.5	7.8	7.7
1987	6.6	7.1	6.5	7.9	7.0
1988	10.1	10.0	9.8	10.6	10.1
1989	10.5	11.0	11.2	10.2	10.7
1990	10.5	11.0	11.3	11.3	11.0
1991	7.9	5.6	4.7	4.0	5.5
1992	7.9	8.5	0.4	8.6	6.3
1993	4.6	4.6	11.2	0.9	5.2
1994	3.0	2.0	3.0	4.7	3.2
1995	4.0	4.6	3.8	1.8	3.5
1996	1.1	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-3

**TOTAL WAGE AND SALARIES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	6,530	6,562	6,693	6,920	6,676
1981	7,029	7,141	7,218	7,357	7,186
1982	7,411	7,537	7,700	7,836	7,621
1983	8,008	8,078	8,079	8,320	8,121
1984	8,399	8,614	8,654	8,711	8,595
1985	8,940	9,077	9,224	9,397	9,160
1986	9,486	9,600	9,812	10,070	9,742
1987	10,262	10,520	10,794	11,119	10,674
1988	11,433	11,604	11,774	12,190	11,750
1989	12,467	12,820	13,176	13,527	12,998
1990	13,865	14,287	14,627	15,011	14,448
1991	15,084	15,169	15,441	15,657	15,338
1992	16,073	16,261	16,356	16,780	16,368
1993	16,529	16,854	16,672	16,428	16,621
1994	16,808	16,688	16,730	16,945	16,793
1995	17,055	17,163	17,174	16,934	17,082
1996	17,028	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	12.7	10.4	10.2	11.4	11.2
1981	7.6	8.8	7.8	6.3	7.6
1982	5.4	5.5	6.7	6.5	6.1
1983	8.1	7.2	4.9	6.2	6.6
1984	4.9	6.6	7.1	4.7	5.8
1985	6.4	5.4	6.6	7.9	6.6
1986	6.1	5.8	6.4	7.2	6.4
1987	8.2	9.6	10.0	10.4	9.6
1988	11.4	10.3	9.1	9.6	10.1
1989	9.0	10.5	11.9	11.0	10.6
1990	11.2	11.4	11.0	11.0	11.2
1991	8.8	6.2	5.6	4.3	6.2
1992	6.6	7.2	5.9	7.2	6.7
1993	2.8	3.6	1.9	-2.1	1.5
1994	1.7	-1.0	0.3	3.1	1.0
1995	1.5	2.8	2.7	-0.1	1.7
1996	-0.2	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-4

**OTHER LABOR INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	500	520	539	547	527
1981	566	574	578	590	577
1982	607	631	657	680	644
1983	691	693	699	729	703
1984	744	773	776	777	768
1985	777	775	781	791	781
1986	817	850	888	925	870
1987	895	911	925	956	922
1988	985	994	1,019	1,064	1,016
1989	1,095	1,139	1,182	1,216	1,158
1990	1,259	1,290	1,329	1,383	1,315
1991	1,433	1,473	1,529	1,565	1,500
1992	1,602	1,638	1,667	1,683	1,648
1993	1,761	1,779	1,793	1,800	1,783
1994	1,848	1,846	1,864	1,888	1,862
1995	1,909	1,928	1,919	1,894	1,912
1996	1,883	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	16.3	17.6	18.5	16.1	17.1
1981	13.2	10.4	7.2	7.9	9.5
1982	7.2	9.9	13.7	15.3	11.6
1983	13.8	9.8	6.4	7.2	9.2
1984	7.7	11.5	11.0	6.6	9.2
1985	4.4	0.3	0.6	1.8	1.7
1986	5.1	9.7	13.7	16.9	11.4
1987	9.5	7.2	4.2	3.4	6.0
1988	10.1	9.1	10.2	11.3	10.2
1989	11.2	14.6	16.0	14.3	14.0
1990	15.0	13.3	12.4	13.7	13.6
1991	13.8	14.2	15.0	13.2	14.1
1992	11.8	11.2	9.0	7.5	9.8
1993	9.9	8.6	7.6	7.0	8.2
1994	4.9	3.8	4.0	4.9	4.4
1995	3.3	4.4	3.0	0.3	2.7
1996	-1.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-5

**PROPRIETORS' INCOME**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	917	829	921	1,013	920
1981	783	722	736	715	739
1982	691	833	834	866	806
1983	1,014	942	1,127	1,179	1,066
1984	998	1,096	1,157	1,181	1,108
1985	1,174	1,210	1,258	1,344	1,247
1986	1,399	1,421	1,596	1,543	1,490
1987	1,550	1,579	1,620	1,665	1,604
1988	1,768	1,900	1,986	2,094	1,937
1989	2,148	2,221	2,228	2,205	2,210
1990	2,177	2,180	2,204	2,185	2,187
1991	2,160	2,221	2,273	2,310	2,241
1992	2,583	2,625	2,386	2,776	2,593
1993	2,810	2,846	2,880	2,966	2,876
1994	2,967	2,992	3,031	3,054	3,011
1995	3,095	3,123	3,138	3,151	3,127
1996	3,187	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	45.1	25.6	31.4	46.6	37.5
1981	-14.6	-12.9	-20.1	-29.4	-19.7
1982	-11.7	15.4	13.3	21.1	9.1
1983	46.7	13.1	35.1	36.1	32.3
1984	-1.6	16.3	2.7	0.2	3.9
1985	17.6	10.4	8.7	13.8	12.5
1986	19.2	17.4	26.9	14.8	19.5
1987	10.8	11.1	1.5	7.9	7.7
1988	14.1	20.3	22.6	25.8	20.8
1989	21.5	16.9	12.2	5.3	14.1
1990	1.4	-1.8	-1.1	-0.9	-1.0
1991	-0.8	1.9	3.1	5.7	2.5
1992	19.6	18.2	5.0	20.2	15.7
1993	8.8	8.4	20.7	6.8	10.9
1994	5.6	5.1	5.2	3.0	4.7
1995	4.3	4.4	3.5	3.2	3.9
1996	3.0	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-6

**DIVIDENDS, INTEREST, AND RENT**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	1,417	1,411	1,413	1,505	1,437
1981	1,608	1,678	1,785	1,793	1,716
1982	1,787	1,801	1,781	1,589	1,740
1983	1,869	1,917	1,981	2,042	1,952
1984	2,094	2,154	2,243	2,285	2,194
1985	2,302	2,330	2,343	2,377	2,338
1986	2,441	2,500	2,501	2,220	2,188
1987	2,450	2,467	2,501	2,563	2,495
1988	2,591	2,636	2,728	2,819	2,694
1989	2,919	2,980	2,973	3,033	2,976
1990	3,149	3,238	3,363	3,440	3,298
1991	3,487	3,427	3,397	3,430	3,435
1992	3,510	3,554	1,971	3,443	3,120
1993	3,555	3,502	3,522	3,518	3,524
1994	3,562	3,668	3,772	3,863	3,716
1995	3,948	3,977	3,962	3,996	3,971
1996	3,964	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	23.3	18.4	14.0	12.2	17.4
1981	13.5	18.9	26.3	19.1	19.4
1982	11.1	7.3	-0.2	-11.4	1.4
1983	4.6	6.4	11.2	28.5	12.2
1984	12.0	12.4	13.2	11.9	12.4
1985	9.9	8.2	4.5	4.0	6.6
1986	6.0	7.3	6.7	-6.6	-6.4
1987	0.4	-1.3	0.0	15.5	14.0
1988	5.8	6.9	9.1	10.0	8.0
1989	12.7	13.1	9.0	7.6	10.5
1990	7.9	8.7	13.1	13.4	10.8
1991	10.7	5.8	1.0	-0.3	4.2
1992	0.7	3.7	-42.0	0.4	-9.2
1993	1.3	-1.5	78.7	2.2	13.0
1994	0.2	4.7	7.1	9.8	5.4
1995	10.8	8.4	5.0	3.4	6.9
1996	0.4	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-7

**TRANSFER PAYMENTS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	1,215	1,233	1,370	1,410	1,307
1981	1,457	1,486	1,578	1,588	1,527
1982	1,605	1,637	1,699	1,767	1,677
1983	1,805	1,850	1,864	1,886	1,851
1984	1,902	1,913	1,924	1,950	1,922
1985	2,019	2,039	2,073	2,084	2,054
1986	2,145	2,178	2,208	2,220	2,188
1987	2,201	2,244	2,266	2,287	2,250
1988	2,373	2,390	2,409	2,434	2,402
1989	2,509	2,539	2,618	2,731	2,599
1990	2,942	3,058	3,139	3,241	3,095
1991	3,072	3,137	3,195	3,313	3,179
1992	3,424	3,498	3,619	3,793	3,584
1993	3,782	3,865	3,948	4,035	3,908
1994	4,127	4,212	4,287	4,348	4,244
1995	4,466	4,543	4,601	4,639	4,562
1996	4,725	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.4	12.2	17.6	19.1	15.7
1981	19.9	20.5	15.2	12.6	16.8
1982	10.2	10.2	7.7	11.3	9.8
1983	12.5	13.0	9.7	6.7	10.4
1984	5.4	3.4	3.2	3.4	3.8
1985	6.2	6.6	7.7	6.9	6.9
1986	6.2	6.8	6.5	6.5	6.5
1987	2.6	3.0	2.6	3.0	2.8
1988	7.8	6.5	6.3	6.4	6.8
1989	5.7	6.2	8.7	12.2	8.2
1990	17.3	20.4	19.9	18.7	19.1
1991	4.4	2.6	1.8	2.2	2.7
1992	11.5	11.5	13.3	14.5	12.7
1993	10.5	10.5	9.1	6.4	9.0
1994	9.1	9.0	8.6	7.8	8.6
1995	8.2	7.9	7.3	6.7	7.5
1996	5.8	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-8

**CONTRIBUTION TO SOCIAL INSURANCE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	431	429	435	445	435
1981	491	497	504	516	502
1982	538	551	563	567	555
1983	582	576	568	581	577
1984	605	622	622	618	617
1985	664	665	668	676	668
1986	699	707	721	736	716
1987	740	753	768	785	762
1988	852	864	875	905	874
1989	951	976	996	1,011	984
1990	1,045	1,059	1,086	1,111	1,075
1991	1,135	1,138	1,156	1,165	1,149
1992	1,201	1,211	1,216	1,213	1,210
1993	1,242	1,259	1,246	1,231	1,245
1994	1,287	1,281	1,289	1,301	1,290
1995	1,316	1,322	1,319	1,297	1,314
1996	1,299	n/a	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	14.6	10.6	9.6	10.1	11.3
1981	13.9	15.9	15.9	16.0	15.4
1982	9.6	10.9	11.7	9.9	10.6
1983	8.2	4.5	0.9	2.5	4.0
1984	4.0	8.0	9.5	6.4	6.9
1985	9.8	6.9	7.4	9.4	8.3
1986	5.3	6.3	7.9	8.9	7.2
1987	5.9	6.5	6.5	6.7	6.4
1988	15.1	14.7	13.9	15.3	14.7
1989	11.6	13.0	13.8	11.7	12.6
1990	9.9	8.5	9.0	9.9	9.2
1991	8.6	7.5	6.4	4.9	6.8
1992	5.8	6.4	5.2	4.1	5.4
1993	3.4	4.0	2.5	1.5	2.8
1994	3.6	1.7	3.5	5.7	3.6
1995	2.3	3.2	2.3	-0.3	1.9
1996	-1.3	n/a	n/a	n/a	n/a

Note: n/a = not available.

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table B-9

**CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U), AND  
SELECTED ITEMS, FOR U.S. AND HONOLULU: 1981 to 1996**  
[1982-84=100]

Period	U.S.	Honolulu						
		All Items	Food & Beverages	Housing 1/	Apparel & Upkeep	Transportation	Medical Care	Entertainment
1980	82.4	83.0	84.2	83.2	89.8	86.6	73.1	78.2
1981	90.9	91.7	92.6	92.3	94.5	95.7	81.8	87.2
1982	96.5	97.2	96.9	98.0	98.4	99.0	91.6	95.7
1983	99.6	99.3	99.5	98.9	101.4	98.2	101.1	100.0
1984	103.9	103.5	103.6	103.1	100.2	102.9	107.3	104.3
1985	107.6	106.8	107.8	106.0	99.6	104.9	113.2	111.9
1986	109.6	109.4	110.0	108.4	99.8	105.2	122.3	113.2
1987	113.6	114.9	114.1	115.0	102.5	109.7	127.9	118.6
1988	118.3	121.7	120.3	123.0	106.8	116.1	132.5	122.9
1989	124.0	128.7	128.1	131.1	104.3	123.9	139.3	124.3
1990	130.7	138.1	137.8	141.5	107.0	131.1	154.2	128.4
1991	136.2	148.0	145.9	152.8	110.5	139.3	171.3	134.3
1992	140.3	155.1	148.5	161.7	114.2	147.4	182.6	136.3
1993	144.5	160.1	152.9	166.6	116.5	150.5	197.4	138.4
1994	148.2	164.5	153.4	177.6	118.7	156.4	206.0	142.3
1995	152.4	168.1	156.8	174.7	117.5	162.4	209.8	144.2
1996: 1st half	155.8	170.5	156.9	176.8	120.0	166.3	214.9	147.9
Percentage Change from the Same Period in Previous Year								
1981	10.3	10.5	10.0	10.9	5.2	10.5	11.9	11.5
1982	6.2	6.0	4.6	6.2	4.1	3.4	12.0	9.7
1983	3.2	2.2	2.7	0.9	3.0	-0.8	10.4	4.5
1984	4.3	4.2	4.1	4.2	-1.2	4.8	6.1	4.3
1985	3.6	3.2	4.1	2.8	-0.6	1.9	5.5	7.3
1986	1.9	2.4	2.0	2.3	0.2	0.3	8.0	1.2
1987	3.6	5.0	3.7	6.1	2.7	4.3	4.6	4.8
1988	4.1	5.9	5.4	7.0	4.2	5.8	3.6	3.6
1989	4.8	5.8	6.5	6.6	-2.3	6.7	5.1	1.1
1990	5.4	7.3	7.6	7.9	2.6	5.8	10.7	3.3
1991	4.2	7.2	5.9	8.0	3.3	6.3	11.1	4.6
1992	3.0	4.8	1.8	5.8	3.3	5.8	6.6	1.5
1993	3.0	3.2	3.0	3.0	2.0	2.1	8.1	1.5
1994	2.6	2.7	0.3	6.6	1.9	3.9	4.4	2.8
1995	2.8	2.2	2.2	1.8	-1.0	3.8	1.8	1.3
1996: 1st half	2.8	2.2	0.3	2.0	1.6	3.9	3.4	3.5

Notes: Honolulu CPI is normally released twice a year in February and August.

1/ Change in definition in 1983--rental equivalence for homeowners (what owners would have to pay if they rented their homes).

Source: U.S. Department of Labor, Bureau of Labor Statistics.



## Quarterly Statistical & Economic Report

September 1996

### TAX BASE AND REVENUES

Tax revenue growth in the second quarter reflected both improved economic conditions and some technical anomalies. State general fund tax revenues increased 15.6 percent from the second quarter of 1995 to the second quarter of 1996 (table C-2.) This was the largest quarterly increase since the third quarter of 1990.

The largest source of general fund tax revenues, general excise and use tax collections, increased 6.4 percent in the second quarter of 1996, following an increase of 6.5 percent in the first quarter, both relative to the same periods in 1995 (table C-3). The increase in general excise tax collections in the second quarter of 1996 reflected the strong increase in visitor arrivals in the first quarter of 1996, as there is always a time lag between increases in economic activity and tax collections.

Net individual income tax revenues rose 41.1 percent from the second quarter of 1995 to the second quarter of 1996 (table C-4.) The increase in net individual income tax mainly reflected lower tax refunds and higher payments with returns when taxpayers filed their 1995 income tax returns. Income tax refunds declined from \$192.4 million in the second quarter of 1995 to \$152.4 million (-20.8 percent) in the 1996 second quarter. At the same time, payment with returns increased from \$35.7 million to \$43.1 million (+20.7 percent). Lower food tax credits and the elimination of medical services tax credits largely explain the lower refunds and higher payments with returns (components of net individual income tax revenues are not shown).

Net corporate income tax revenues grew a sharp 43.0 percent in the second quarter of 1996 relative to the year earlier (table C-5). While this indicates improvement in Hawaii's economy, the reader is cautioned that net corporate tax revenues are particularly volatile.

Transient accommodation tax revenues and the hotel rental tax base grew 11.7 percent and 14.7 percent, respectively, from the second quarter of 1995 to the second quarter of 1996 (table C-6 and table C-11.) These increases reflect both higher room rates and higher hotel occupancy rates (table D-7).

#### Introduction

#### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

#### Part II - Labor Force and Jobs - Overview

#### Part III - Income and Prices - Overview

#### Part IV - Tax Base and Revenues - Overview

#### Part V - Tourism - Overview

#### Part VI - Construction - Overview

#### Terms and Definitions

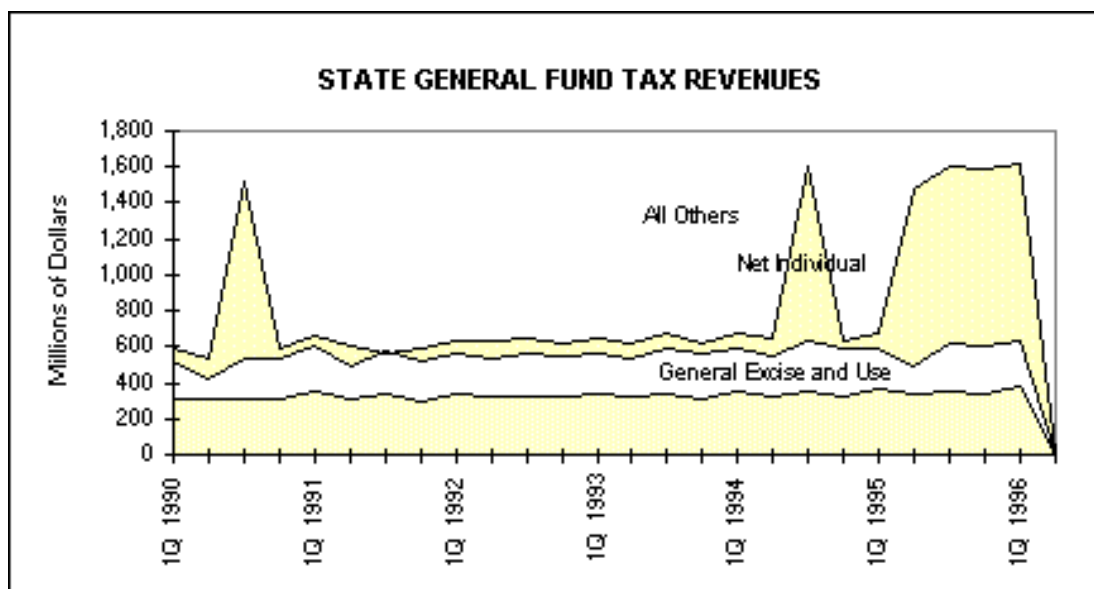
#### Archive

#### Statistics & Publications

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[Download a spreadsheet file of Tables C-1 through C-13.](#) (q3tax.xls)

Table C-1

**GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS**

<b>Year</b>	<i>General Excise and Use Tax 1/</i>	<i>Net Individual Income Tax 2/</i>	<i>Net Corporate Income Tax 3/</i>	<i>Tax Revenues Distributed to State General Fund</i>
In Thousands of Dollars				
1990	1,250,204	743,114	86,268	2,246,752
1991	1,287,818	900,963	70,568	2,397,289
1992	1,299,813	922,205	42,736	2,523,672
1993	1,308,798	951,403	22,237	2,555,914
1994	1,347,943	1,003,477	34,226	2,672,293
1995	1,386,685	918,809	37,337	2,614,713
1995 1 Qtr.	363,101	224,594	12,869	671,365
2 Qtr.	335,907	154,310	19,818	577,802
3 Qtr.	348,033	277,057	12,030	705,998
4 Qtr.	339,644	262,848	-7,380	659,548
1996 1 Qtr.	386,710	242,253	15,450	725,284
2 Qtr.	357,416	217,770	28,338	667,711
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
1995 1 Qtr.	2.8	-5.0	23.1	-1.5
2 Qtr.	1.7	-30.0	-24.4	-10.8
3 Qtr.	0.7	-1.6	31.7	0.3
4 Qtr.	6.6	-0.9	-36.2	3.2
1996 1 Qtr.	6.5	7.9	20.1	8.0
2 Qtr.	6.4	41.1	43.0	15.6

Notes: This series represents data as reported by the Department of Taxation, without adjustment.

1/ Manufactured goods shipped out of state have been exempted from the general excise tax by Act 239, SLH 1987, effective January 1, 1988.

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

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

Source: Hawaii State Department of Taxation.

Table C-2

**STATE GENERAL FUND TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	239.5	270.1	255.0	244.2	1,008.8
1981	244.4	294.4	271.0	261.2	1,070.9
1982	248.4	219.1	284.4	259.5	1,011.5
1983	267.9	270.7	295.5	275.8	1,109.9
1984	293.3	313.7	317.3	316.0	1,240.4
1985	315.1	344.4	344.7	321.6	1,325.8
1986	347.1	393.2	377.6	368.6	1,486.5
1987	400.6	461.7	430.0	438.9	1,731.2
1988	466.1	514.6	483.6	484.9	1,949.2
1989	554.2	593.1	441.0	568.7	2,157.0
1990	596.0	530.5	531.3	589.0	2,246.8
1991	654.2	600.8	557.6	584.7	2,397.3
1992	629.7	638.9	640.3	614.8	2,523.7
1993	646.2	617.4	674.2	618.1	2,555.9
1994	681.3	648.0	703.9	639.1	2,672.3
1995	671.4	577.8	706.0	659.5	2,614.7
1996	725.3	667.7	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.5	11.8	16.9	11.2	13.3
1981	2.0	9.0	6.3	7.0	6.2
1982	1.7	-25.6	5.0	-0.6	-5.5
1983	7.9	23.5	3.9	6.3	9.7
1984	9.5	15.9	7.4	14.6	11.8
1985	7.4	9.8	8.6	1.8	6.9
1986	10.2	14.2	9.6	14.6	12.1
1987	15.4	17.4	13.9	19.1	16.5
1988	16.4	11.4	12.5	10.5	12.6
1989	18.9	15.3	-8.8	17.3	10.7
1990	7.5	-10.6	20.5	3.6	4.2
1991	9.8	13.3	5.0	-0.7	6.7
1992	-3.7	6.3	14.8	5.2	5.3
1993	2.6	-3.4	5.3	0.5	1.3
1994	5.4	5.0	4.4	3.4	4.6
1995	-1.5	-10.8	0.3	3.2	-2.2
1996	8.0	15.6	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-3

**GENERAL EXCISE & USE TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	128.1	137.3	132.2	129.8	527.3
1981	134.7	152.2	148.0	140.3	575.2
1982	141.1	147.5	151.1	134.8	574.6
1983	155.8	159.4	151.5	148.8	615.5
1984	165.1	173.8	165.6	165.2	669.8
1985	174.1	178.7	176.8	177.9	707.4
1986	192.0	200.0	198.3	187.6	778.0
1987	216.7	214.9	219.3	218.1	869.0
1988	240.5	242.0	241.3	242.2	966.0
1989	270.8	270.7	272.6	282.3	1,096.5
1990	313.1	308.6	314.3	314.2	1,250.2
1991	346.0	304.2	335.7	301.9	1,287.8
1992	338.3	318.8	325.3	317.3	1,299.8
1993	332.7	327.5	332.7	315.9	1,308.8
1994	353.4	330.3	345.8	318.5	1,347.9
1995	363.1	335.9	348.0	339.6	1,386.7
1996	386.7	357.4	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	11.4	15.7	16.0	9.0	13.0
1981	5.2	10.9	11.9	8.1	9.1
1982	4.8	-3.1	2.1	-3.9	-0.1
1983	10.4	8.1	0.2	10.4	7.1
1984	6.0	9.0	9.3	11.0	8.8
1985	5.4	2.8	6.7	7.6	5.6
1986	10.3	11.9	12.2	5.5	10.0
1987	12.9	7.4	10.6	16.2	11.7
1988	11.0	12.6	10.0	11.0	11.2
1989	12.6	11.9	13.0	16.6	13.5
1990	15.6	14.0	15.3	11.3	14.0
1991	10.5	-1.4	6.8	-3.9	3.0
1992	-2.2	4.8	-3.1	5.1	0.9
1993	-1.7	2.7	2.3	-0.5	0.7
1994	6.2	0.8	3.9	0.8	3.0
1995	2.8	1.7	0.7	6.6	2.9
1996	6.5	6.4	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-4

**NET INDIVIDUAL INCOME TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	85.0	81.2	84.1	85.6	335.9
1981	83.2	81.7	92.8	92.0	349.6
1982	85.7	12.6	98.2	100.3	296.8
1983	94.3	54.2	107.9	101.7	358.1
1984	112.2	81.3	112.0	108.4	413.9
1985	108.6	100.3	125.7	111.8	446.4
1986	125.7	99.8	129.1	135.6	490.2
1987	134.4	143.6	138.8	157.9	574.7
1988	159.3	170.0	169.0	182.5	680.8
1989	205.1	211.0	176.7	209.2	802.0
1990	201.6	107.6	216.0	217.9	743.1
1991	252.6	186.2	240.4	221.7	901.0
1992	228.8	216.0	244.0	233.4	922.2
1993	233.9	211.7	263.0	242.9	951.4
1994	236.4	220.3	281.5	265.3	1,003.5
1995	224.6	154.3	277.1	262.8	918.8
1996	242.3	217.8	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	22.2	12.5	17.4	16.0	17.0
1981	-2.1	0.6	10.4	7.4	4.1
1982	2.9	-84.6	5.8	9.1	-15.1
1983	10.1	331.2	9.9	1.3	20.7
1984	18.9	50.1	3.7	6.7	15.6
1985	-3.2	23.3	12.3	3.1	7.8
1986	15.8	-0.5	2.7	21.2	9.8
1987	6.9	43.8	7.5	16.5	17.2
1988	18.5	18.4	21.8	15.6	18.5
1989	28.7	24.1	4.6	14.6	17.8
1990	-1.7	-49.0	22.2	4.2	-7.3
1991	25.3	73.1	11.3	1.7	21.2
1992	-9.4	16.0	1.5	5.3	2.4
1993	2.2	-2.0	7.8	4.1	3.2
1994	1.1	4.1	7.0	9.2	5.5
1995	-5.0	-30.0	-1.6	-0.9	-8.4
1996	7.9	41.1	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-5

**NET CORPORATE INCOME TAX REVENUES**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	10.8	16.6	12.1	4.5	43.9
1981	10.0	20.4	9.7	3.5	43.6
1982	10.5	15.6	7.3	1.4	34.8
1983	6.5	9.3	11.3	0.8	28.0
1984	9.6	14.7	10.4	5.0	39.7
1985	7.5	21.9	11.6	3.1	44.1
1986	7.8	17.2	14.9	6.4	46.2
1987	13.6	26.6	17.9	9.2	67.3
1988	18.1	20.8	16.2	7.9	63.1
1989	23.5	24.7	18.8	5.7	72.7
1990	22.5	27.9	29.1	6.8	86.3
1991	23.7	36.4	11.1	-0.6	70.6
1992	17.4	15.9	11.2	-1.7	42.7
1993	6.5	13.4	13.5	-11.2	22.2
1994	10.5	26.2	9.1	-11.6	34.2
1995	12.9	19.8	12.0	-7.4	37.3
1996	15.5	28.3	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	21.4	19.9	12.9	2.6	16.3
1981	-6.7	22.7	-19.7	-21.8	-0.7
1982	4.7	-23.3	-24.8	-60.7	-20.2
1983	-38.6	-40.1	55.3	-39.5	-19.6
1984	48.5	57.1	-7.9	498.7	41.9
1985	-21.5	49.2	10.7	-37.7	11.1
1986	3.5	-21.7	29.0	105.8	4.9
1987	75.3	55.0	19.8	43.9	45.6
1988	32.9	-21.6	-9.1	-14.1	-6.2
1989	29.7	18.5	15.6	-27.8	15.2
1990	-4.3	12.9	55.0	19.2	18.7
1991	5.4	30.3	-61.9	-109.0	-18.2
1992	-26.5	-56.4	0.6	181.7 <sup>1/</sup>	-39.4
1993	-62.5	-15.7	21.1	549.9 <sup>1/</sup>	-48.0
1994	59.9	96.0	-32.4	3.5 <sup>1/</sup>	53.9
1995	23.1	-24.4	31.7	-36.2 <sup>1/</sup>	9.1
1996	20.1	43.0	n/a	n/a	n/a

Notes: n/a = not available.

1/ This figure represents an increase or decrease in net corporate tax refunds greater than tax collection.

Source: Hawaii State Department of Taxation.

Table C-6

**TRANSIENT ACCOMMODATION TAX REVENUES**

Year	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1987	7.2	16.3	16.2	13.6	53.2
1988	18.5	19.1	17.9	15.2	70.7
1989	20.8	22.0	18.4	19.7	81.0
1990	22.4	21.9	21.3	17.9	83.5
1991	20.9	19.1	20.0	17.9	77.9
1992	20.9	21.2	19.4	19.4	80.8
1993	20.9	20.7	17.2	16.7	75.4
1994	22.9	19.8	22.3	21.6	86.5
1995	27.2	27.0	26.6	24.8	105.6
1996	34.2	30.1	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1988 1/	155.9	17.2	10.7	12.4	32.8
1989	12.7	15.3	3.1	29.4	14.6
1990	7.4	-0.4	15.5	-9.3	3.0
1991	-6.4	-12.8	-6.0	-0.1	-6.6
1992	-0.1	10.8	-3.3	8.6	3.7
1993	0.0	-2.5	-11.4	-13.9	-6.7
1994	9.6	-4.4	29.7	29.2	14.7
1995	18.8	36.6	19.5	15.0	22.1
1996	25.6	11.7	n/a	n/a	n/a

Notes: n/a = not available.

1/ Tax collection for this category began in 1987.

Source: Hawaii State Department of Taxation.



Table C-7

**GENERAL EXCISE & USE TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	4,568	4,889	4,830	4,724	19,011
1981	4,865	5,781	5,301	5,065	21,012
1982	4,991	4,982	5,411	4,845	20,229
1983	5,435	5,525	5,317	5,240	21,517
1984	5,808	6,047	5,914	5,814	23,583
1985	6,071	6,169	6,004	6,081	24,325
1986	6,476	6,689	6,742	6,384	26,291
1987	7,063	7,035	7,050	7,163	28,311
1988	7,900	7,831	7,782	8,045	31,558
1989	8,875	8,802	8,823	9,276	35,776
1990	10,099	9,933	10,089	10,340	40,461
1991	11,532	10,125	11,285	10,190	43,132
1992	11,223	10,650	10,869	10,507	43,249
1993	11,177	11,596	11,014	10,500	44,287
1994	11,539	10,859	11,346	10,774	44,518
1995	11,876	11,012	11,448	11,241	45,577
1996	12,323	11,662	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	12.9	15.1	9.4	6.6	10.9
1981	6.5	18.2	9.8	7.2	10.5
1982	2.6	-13.8	2.1	-4.3	-3.7
1983	8.9	10.9	-1.7	8.2	6.4
1984	6.9	9.4	11.2	11.0	9.6
1985	4.5	2.0	1.5	4.6	3.1
1986	6.7	8.4	12.3	5.0	8.1
1987	9.1	5.2	4.6	12.2	7.7
1988	11.9	11.3	10.4	12.3	11.5
1989	12.3	12.4	13.4	15.3	13.4
1990	13.8	12.8	14.3	11.5	13.1
1991	14.2	1.9	11.9	-1.5	6.6
1992	-2.7	5.2	-3.7	3.1	0.3
1993	-0.4	8.9	1.3	-0.1	2.4
1994	3.2	-6.4	3.0	2.6	0.5
1995	2.9	1.4	0.9	4.3	2.4
1996	3.8	5.9	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-8  
**RETAILING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	1,539.0	1,549.0	1,501.0	1,518.0	6,107.0
1981	1,606	1,713	1,750	1,631	6,700
1982	1,710	1,751	1,813	1,601	6,875
1983	1,948	1,886	1,830	1,774	7,438
1984	2,034	2,047	1,982	2,048	8,111
1985	2,148	2,102	2,137	2,112	8,499
1986	2,371	2,337	2,330	2,202	9,240
1987	2,393	2,277	2,374	2,405	9,449
1988	2,654	2,613	2,573	2,545	10,385
1989	3,017	2,814	2,884	2,893	11,608
1990	3,320	3,123	3,169	3,214	12,826
1991	3,659	3,068	3,525	3,146	13,398
1992	3,668	3,282	3,484	3,411	13,845
1993	3,617	3,395	3,594	3,370	13,976
1994	3,848	3,527	3,697	3,496	14,568
1995	3,932	3,576	3,846	3,697	15,051
1996	4,206	3,757	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	7.9	10.9	17.2	7.2	10.6
1981	4.4	10.6	16.6	7.4	9.7
1982	6.5	2.2	3.6	-1.8	2.6
1983	13.9	7.7	0.9	10.8	8.2
1984	4.4	8.5	8.3	15.4	9.0
1985	5.6	2.7	7.8	3.1	4.8
1986	10.4	11.2	9.0	4.3	8.7
1987	0.9	-2.6	1.9	9.2	2.3
1988	10.9	14.8	8.4	5.8	9.9
1989	13.7	7.7	12.1	13.7	11.8
1990	10.0	11.0	9.9	11.1	10.5
1991	10.2	-1.8	11.2	-2.1	4.5
1992	0.2	7.0	-1.2	8.4	3.3
1993	-1.4	3.4	3.2	-1.2	0.9
1994	6.4	3.9	2.9	3.7	4.2
1995	2.2	1.4	4.0	5.7	3.3
1996	7.0	5.1	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-9

**SERVICES TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	378.1	473.2	463.6	428.2	1,743.0
1981	447.8	467.8	450.5	443.8	1,809.9
1982	448.0	497.7	497.2	462.1	1,905.1
1983	519.2	566.2	536.8	512.3	2,134.5
1984	560.5	619.0	599.6	589.4	2,368.4
1985	592.6	646.4	627.9	614.7	2,481.7
1986	660.3	703.9	714.2	705.9	2,784.2
1987	713.4	725.8	732.6	724.4	2,896.2
1988	774.0	837.2	813.6	862.9	3,287.7
1989	905.0	937.7	918.8	937.5	3,699.0
1990	1,020.6	1,106.7	1,061.9	1,087.6	4,276.9
1991	1,235.4	1,229.7	1,253.6	1,169.5	4,888.2
1992	1,260.6	1,279.8	1,284.8	1,207.5	5,032.7
1993	1,233.4	1,316.7	1,300.4	1,242.1	5,092.7
1994	1,359.6	1,300.7	1,413.4	1,197.2	5,270.8
1995	1,371.0	1,312.0	1,342.2	1,325.8	5,351.1
1996	1,372.4	1,430.1	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	8.7	28.6	34.5	21.8	23.4
1981	18.5	-1.1	-2.8	3.7	3.8
1982	0.0	6.4	10.4	4.1	5.3
1983	15.9	13.8	8.0	10.9	12.0
1984	7.9	9.3	11.7	15.0	11.0
1985	5.7	4.4	4.7	4.3	4.8
1986	11.4	8.9	13.7	14.8	12.2
1987	8.0	3.1	2.6	2.6	4.0
1988	8.5	15.4	11.1	19.1	13.5
1989	16.9	12.0	12.9	8.6	12.5
1990	12.8	18.0	15.6	16.0	15.6
1991	21.1	11.1	18.0	7.5	14.3
1992	2.0	4.1	2.5	3.3	3.0
1993	-2.2	2.9	1.2	2.9	1.2
1994	10.2	-1.2	8.7	-3.6	3.5
1995	0.8	0.9	-5.0	10.7	1.5
1996	0.1	9.0	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-10

**CONTRACTING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	361.3	414.8	409.1	384.5	1,569.7
1981	378.7	404.5	420.0	410.6	1,613.8
1982	334.3	338.7	334.8	287.1	1,294.9
1983	340.3	359.0	334.9	319.3	1,353.4
1984	312.0	361.8	320.5	248.6	1,242.9
1985	257.7	311.7	364.4	434.0	1,367.7
1986	394.2	468.0	497.4	448.4	1,808.0
1987	450.9	484.5	521.3	546.4	2,003.1
1988	544.8	587.3	601.1	754.4	2,487.6
1989	640.6	757.8	795.7	918.6	3,112.8
1990	870.0	922.3	1,108.7	1,102.7	4,003.7
1991	1,126.1	1,043.7	1,164.5	999.7	4,334.1
1992	1,023.1	1,051.5	977.6	960.4	4,012.7
1993	964.9	960.8	965.2	912.7	3,803.6
1994	827.5	837.9	838.5	818.5	3,322.3
1995	776.6	760.6	751.3	845.1	3,133.5
1996	824.5	811.9	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	29.1	24.6	16.5	6.4	18.4
1981	4.8	-2.5	2.7	6.8	2.8
1982	-11.7	-16.3	-20.3	-30.1	-19.8
1983	1.8	6.0	0.0	11.2	4.5
1984	-8.3	0.8	-4.3	-22.1	-8.2
1985	-17.4	-13.8	13.7	74.5	10.0
1986	53.0	50.1	36.5	3.3	32.2
1987	14.4	3.5	4.8	21.8	10.8
1988	20.8	21.2	15.3	38.1	24.2
1989	17.6	29.0	32.4	21.8	25.1
1990	35.8	21.7	39.3	20.0	28.6
1991	29.4	13.2	5.0	-9.3	8.3
1992	-9.1	0.7	-16.0	-3.9	-7.4
1993	-5.7	-8.6	-1.3	-5.0	-5.2
1994	-14.2	-12.8	-13.1	-10.3	-12.7
1995	-6.2	-9.2	-10.4	3.2	-5.7
1996	6.2	6.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-11

**HOTEL RENTAL TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	173.9	208.1	163.4	163.3	708.6
1981	177.3	229.3	174.5	189.6	770.7
1982	195.6	243.4	209.9	196.0	844.9
1983	214.7	253.2	189.0	219.3	876.2
1984	232.7	275.0	246.5	230.3	984.5
1985	295.5	326.2	246.6	254.0	1,122.3
1986	275.5	359.9	297.8	279.5	1,212.8
1987	353.2	361.8	346.0	308.4	1,369.4
1988	400.6	361.7	328.3	318.2	1,408.9
1989	374.6	419.1	341.7	369.7	1,505.1
1990	419.8	417.0	377.2	359.0	1,573.0
1991	403.5	366.8	395.9	346.7	1,513.0
1992	409.1	424.2	406.8	381.6	1,621.8
1993	398.4	419.2	355.3	354.0	1,527.0
1994	436.8	417.7	421.3	390.6	1,666.4
1995	478.4	447.1	434.3	416.7	1,776.5
1996	518.0	512.6	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-1.4	14.5	4.0	4.1	5.4
1981	2.0	10.2	6.8	16.2	8.8
1982	10.3	6.2	20.3	3.4	9.6
1983	9.8	4.0	-9.9	11.9	3.7
1984	8.4	8.6	30.4	5.0	12.4
1985	27.0	18.6	0.1	10.3	14.0
1986	-6.8	10.3	20.8	10.1	8.1
1987	28.2	0.5	16.2	10.3	12.9
1988	13.4	0.0	-5.1	3.2	2.9
1989	-6.5	15.9	4.1	16.2	6.8
1990	12.1	-0.5	10.4	-2.9	4.5
1991	-3.9	-12.0	5.0	-3.4	-3.8
1992	1.4	15.6	2.8	10.1	7.2
1993	-2.6	-1.2	-12.7	-7.2	-5.8
1994	9.6	-0.4	18.6	10.3	9.1
1995	9.5	7.0	3.1	6.7	6.6
1996	8.3	14.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-12

**PRODUCING TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	24.3	41.0	36.1	42.2	143.7
1981	41.7	49.0	45.7	40.2	176.6
1982	47.9	45.1	40.3	40.6	173.9
1983	50.7	60.6	54.6	54.4	220.3
1984	57.5	63.2	63.4	58.5	242.6
1985	77.2	67.5	60.8	57.3	262.8
1986	64.6	61.8	63.8	60.9	251.0
1987	75.0	70.2	61.4	67.6	274.2
1988	81.3	74.3	71.9	70.7	298.3
1989	90.8	78.7	75.3	81.6	326.4
1990	87.6	79.8	69.5	80.4	317.3
1991	84.1	79.0	76.3	62.5	301.9
1992	127.5	93.7	87.7	99.8	408.7
1993	124.9	133.3	117.0	99.7	474.9
1994	127.7	118.5	116.2	104.7	467.2
1995	122.3	106.7	120.0	108.5	457.5
1996	124.2	122.4	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-41.7	-5.2	-0.1	18.2	-8.4
1981	71.4	19.5	26.6	-4.9	22.9
1982	14.8	-7.9	-11.9	1.2	-1.5
1983	5.9	34.4	35.5	33.9	26.7
1984	13.5	4.2	16.2	7.6	10.1
1985	34.1	6.9	-4.0	-2.2	8.3
1986	-16.3	-8.6	4.8	6.3	-4.5
1987	16.2	13.8	-3.8	11.1	9.3
1988	8.5	5.8	17.2	4.5	8.8
1989	11.6	5.9	4.7	15.4	9.4
1990	-3.5	1.4	-7.7	-1.5	-2.8
1991	-4.0	-1.0	9.7	-22.3	-4.9
1992	51.5	18.6	14.9	59.7	35.4
1993	-2.0	42.2	33.5	-0.1	16.2
1994	2.3	-11.1	-0.6	5.0	-1.6
1995	-4.2	-10.0	3.3	3.6	-2.1
1996	1.5	14.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-13  
**4% USE TAX BASE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Millions of Dollars					
1980	66.8	66.6	70.4	58.1	261.9
1981	49.1	134.3	163.3	89.6	436.3
1982	94.7	90.3	108.5	93.9	387.4
1983	62.1	67.9	59.6	87.8	277.5
1984	95.5	89.0	73.5	96.7	354.6
1985	88.0	80.9	107.7	78.9	355.4
1986	71.0	72.7	73.4	62.6	279.6
1987	88.8	72.2	78.5	78.3	317.8
1988	100.4	90.4	144.4	114.3	449.5
1989	101.8	168.2	97.1	110.1	477.1
1990	124.1	134.4	132.3	111.1	501.9
1991	108.2	120.2	121.3	96.3	446.0
1992	104.4	97.9	98.1	119.0	419.5
1993	113.0	128.3	94.5	101.0	436.7
1994	143.3	106.0	129.9	105.1	484.2
1995	130.6	117.2	109.2	104.2	461.2
1996	127.2	110.5	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	44.3	8.9	10.3	-6.0	12.3
1981	-26.5	101.7	131.8	54.3	66.6
1982	92.8	-32.8	-33.6	4.8	-11.2
1983	-34.4	-24.8	-45.0	-6.5	-28.4
1984	53.7	31.1	23.2	10.2	27.8
1985	-7.8	-9.1	46.5	-18.4	0.2
1986	-19.3	-10.1	-31.9	-20.7	-21.3
1987	25.1	-0.6	7.0	25.0	13.6
1988	13.0	25.2	84.0	46.1	41.5
1989	1.4	86.0	-32.8	-3.7	6.1
1990	21.9	-20.1	36.3	0.9	5.2
1991	-12.8	-10.5	-8.4	-13.3	-11.1
1992	-3.5	-18.6	-19.1	23.5	-6.0
1993	8.2	31.0	-3.7	-15.2	4.1
1994	26.8	-17.4	37.5	4.1	10.9
1995	-8.8	10.6	-15.9	-0.9	-4.8
1996	-2.6	-5.7	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

## Quarterly Statistical & Economic Report

September 1996

### TOURISM

#### Introduction

#### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

#### Part II - Labor Force and Jobs - Overview

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#### Part IV - Tax Base and Revenues - Overview

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#### Terms and Definitions

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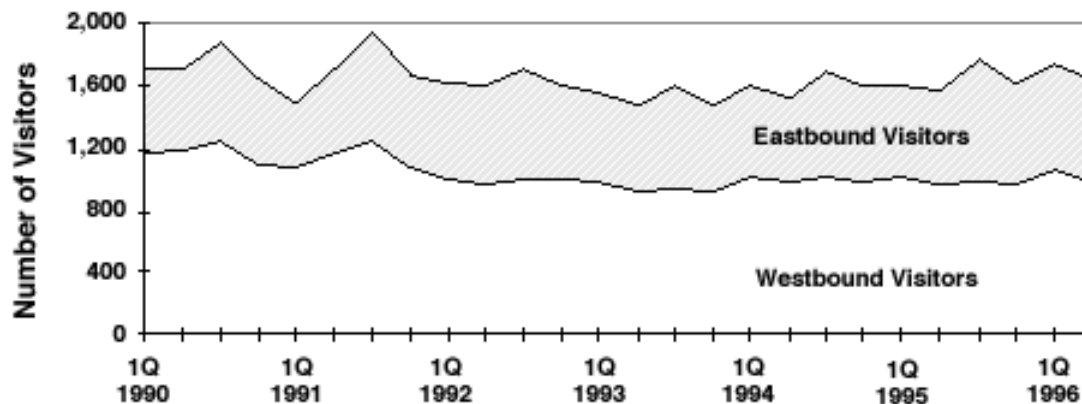
Statistics & Publications

Approximately 1,650,200 visitors arrived in Hawaii in the second quarter of 1996, almost 60,000 more visitors than in the second quarter of 1995 (an increase of 3.7 percent). This growth followed a 8.9 percent increase in the first quarter relative to the year earlier (table D-2). Over the same period, eastbound visitor arrivals increased 6.3 percent while westbound visitors increased only 2.1 percent. The rate of growth for eastbound visitors is considerably lower than in recent quarters, while the growth in westbound visitors continues the positive growth of the first quarter of 1996 after four quarters of decline in 1995 (tables D-3 and D-4).

The 72.5 percent hotel occupancy rate in the second quarter of 1996 is also an improvement over the 71.8 percent rate in the second quarter of 1995 (table D-7). This is the fourth consecutive quarter of improving occupancy rates on an annual basis. Because of shorter average lengths of stay, the growth rate in average daily visitor census in the second quarter of 1996 was slightly lower than the growth rate of visitor arrivals (table D-6).

DBEDT expects the number of visitors will continue to increase by about 4 percent in the second half of 1996 over the year earlier. The total number of visitor arrivals for 1996 should reach 6.9 to 7.0 million visitors. If accurate, this level would match or exceed the peak achieved in 1990, and it would mark the third consecutive year of positive growth in the number of visitor arrivals to Hawaii.

#### TOTAL STATE VISITOR ARRIVALS



Source: Research and Economic Analysis Division, DBEDT.

[Download a spreadsheet file of Tables D-1 through D-7.](#) (q3visit.xls)



Table D-1

**VISITOR ARRIVALS AND AVERAGE DAILY VISITOR CENSUS**

Year	Visitors Staying Overnight or Longer			Average Number of Visitors Present Daily		
	Westbound	Eastbound	Total	Westbound	Eastbound	Total
1980	3,046,132	888,372	3,934,504	86,722	9,709	96,431
1981	2,974,791	959,832	3,934,623	85,475	10,519	95,994
1982	3,278,525	964,400	4,242,920	94,811	10,570	105,381
1983	3,396,115	971,990	4,368,105	97,388	10,650	108,038
1984	3,721,380	1,134,200	4,855,580	106,268	12,400	118,668
1985	3,708,610	1,175,500	4,884,110	103,857	12,880	116,737
1986	4,256,390	1,350,590	5,606,980	118,152	14,800	132,952
1987	4,204,010	1,595,820	5,799,830	116,868	17,490	134,358
1988	4,264,730	1,877,690	6,142,420	115,739	25,650	141,389
1989	4,705,320	1,936,500	6,641,820	128,173	34,190	162,363
1990	4,719,730	2,251,450	6,971,180	125,626	36,441	162,067
1991	4,584,460	2,289,430	6,873,890	121,172	36,158	157,330
1992	3,980,120	2,533,760	6,513,880	113,806	39,526	153,332
1993	3,764,520	2,359,710	6,124,230	108,122	40,613	148,735
1994	3,997,820	2,432,480	6,430,300	115,281	43,966	159,247
1995	3,933,110	2,696,070	6,629,180	114,243	44,109	158,352
1996 1 Qtr.	1,054,760	698,150	1,752,910	128,267	46,417	174,684
2 Qtr.	991,400	658,770	1,650,170	107,520	41,330	148,850
Percentage Change from the Same Period in Previous Year						
1980	-3.0	8.2	-0.7	-3.2	7.9	-2.2
1981	-2.3	8.0	0.0	-1.4	8.3	-0.5
1982	10.2	0.5	7.8	10.9	0.5	9.8
1983	3.6	0.8	3.0	2.7	0.8	2.5
1984	9.6	16.7	11.2	9.1	16.4	9.8
1985	-0.3	3.6	0.6	-2.3	3.9	-1.6
1986	14.8	14.9	14.8	13.8	14.9	13.9
1987	-1.2	18.2	3.4	-1.1	18.2	1.1
1988	1.4	17.7	5.9	-1.0	46.7	5.2
1989	10.3	3.1	8.1	10.7	33.3	14.8
1990	0.3	16.3	5.0	-2.0	6.6	-0.2
1991	-2.9	1.7	-1.4	-3.5	-0.8	-2.9
1992	-13.2	10.7	-5.2	-6.1	9.3	-2.5
1993	-5.4	-6.9	-6.0	-5.0	2.8	-3.0
1994	6.2	3.1	5.0	6.6	8.3	7.1
1995	-1.6	10.8	3.1	-0.9	0.3	-0.6
1996 1 Qtr.	4.4	16.6	8.9	1.9	10.5	4.1
2 Qtr.	2.1	6.0	3.6	0.7	2.3	1.1

Sources: Department of Business, Economic Development & Tourism, *Hawaii Data Book*, 1987;  
*Hawaii Data Book*, 1993-94; Hawaii Visitors and Convention Bureau.

Table D-2

**TOTAL VISITOR ARRIVALS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	1,004.8	942.9	1,047.3	939.5	3,934.5
1981	959.0	984.5	1,042.3	948.8	3,934.6
1982	1,054.0	1,048.7	1,110.7	1,029.5	4,242.9
1983	1,069.9	1,071.5	1,146.4	1,080.2	4,368.1
1984	1,218.5	1,206.8	1,222.9	1,207.4	4,855.6
1985	1,301.5	1,129.6	1,266.9	1,186.2	4,884.1
1986	1,393.2	1,421.2	1,450.9	1,341.8	5,607.0
1987	1,448.9	1,370.0	1,555.2	1,425.8	5,799.8
1988	1,484.9	1,488.2	1,635.6	1,533.7	6,142.4
1989	1,683.7	1,605.1	1,754.8	1,598.3	6,641.8
1990	1,714.8	1,724.4	1,879.9	1,652.2	6,971.2
1991	1,509.5	1,727.2	1,958.3	1,678.9	6,873.9
1992	1,622.2	1,598.0	1,703.6	1,590.1	6,513.9
1993	1,559.6	1,476.3	1,588.9	1,499.5	6,124.2
1994	1,615.6	1,527.7	1,692.7	1,594.2	6,430.3
1995	1,609.4	1,593.0	1,788.4	1,638.5	6,629.2
1996	1,752.9	1,650.2	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-5.3	6.5	-0.9	-1.9	-0.7
1981	-4.6	4.4	-0.5	1.0	0.0
1982	9.9	6.5	6.6	8.5	7.8
1983	1.5	2.2	3.2	4.9	3.0
1984	13.9	12.6	6.7	11.8	11.2
1985	6.8	-6.4	3.6	-1.8	0.6
1986	7.0	25.8	14.5	13.1	14.8
1987	4.0	-3.6	7.2	6.3	3.4
1988	2.5	8.6	5.2	7.6	5.9
1989	13.4	7.9	7.3	4.2	8.1
1990	1.8	7.4	7.1	3.4	5.0
1991	-12.0	0.2	4.2	1.6	-1.4
1992	7.5	-7.5	-13.0	-5.3	-5.2
1993	-3.9	-7.6	-6.7	-5.7	-6.0
1994	3.6	3.5	6.5	6.3	5.0
1995	-0.4	4.3	5.6	2.8	3.1
1996	8.9	3.6	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-3

**WESTBOUND VISITORS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	791.6	720.9	816.6	717.1	3,046.1
1981	733.2	740.2	791.4	710.0	2,974.8
1982	828.0	795.9	865.6	789.1	3,278.5
1983	845.4	828.1	893.9	828.6	3,396.1
1984	954.3	923.0	922.8	921.3	3,721.4
1985	1,011.8	840.2	957.8	898.9	3,708.6
1986	1,087.6	1,094.3	1,073.1	1,001.4	4,256.4
1987	1,084.1	999.9	1,102.4	1,017.6	4,204.0
1988	1,047.4	1,028.8	1,088.1	1,100.4	4,264.7
1989	1,198.6	1,145.6	1,213.7	1,147.4	4,705.3
1990	1,179.4	1,189.3	1,245.3	1,105.7	4,719.7
1991	1,066.9	1,175.7	1,255.0	1,087.0	4,584.5
1992	995.8	976.5	1,004.6	1,003.3	3,980.1
1993	979.8	924.5	937.1	923.1	3,764.5
1994	1,019.3	979.1	1,009.8	989.6	3,997.8
1995	1,010.7	971.4	985.0	966.1	3,933.1
1996	1,054.8	991.4	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-9.2	5.7	-2.9	-3.7	-3.0
1981	-7.4	2.7	-3.1	-1.0	-2.3
1982	12.9	7.5	9.4	11.1	10.2
1983	2.1	4.1	3.3	5.0	3.6
1984	12.9	11.5	3.2	11.2	9.6
1985	6.0	-9.0	3.8	-2.4	-0.3
1986	7.5	30.2	12.0	11.4	14.8
1987	-0.3	-8.6	2.7	1.6	-1.2
1988	-3.4	2.9	-1.3	8.1	1.4
1989	14.4	11.4	11.5	4.3	10.3
1990	-1.6	3.8	2.6	-3.6	0.3
1991	-9.5	-1.1	0.8	-1.7	-2.9
1992	-6.7	-16.9	-19.9	-7.7	-13.2
1993	-1.6	-5.3	-6.7	-8.0	-5.4
1994	4.0	5.9	7.8	7.2	6.2
1995	-0.8	-0.8	-2.5	-2.4	-1.6
1996	4.4	2.1	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-4

**EASTBOUND VISITORS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1980	213.3	221.9	230.7	222.5	888.4
1981	225.9	244.2	251.0	238.8	959.8
1982	226.1	252.8	245.2	240.4	964.4
1983	224.5	243.4	252.4	251.6	972.0
1984	264.2	283.8	300.1	286.1	1,134.2
1985	289.7	289.4	309.1	287.3	1,175.5
1986	305.5	326.9	377.7	340.4	1,350.6
1987	364.8	370.1	452.8	408.2	1,595.8
1988	437.5	459.4	547.5	433.3	1,877.7
1989	485.1	459.6	541.0	450.9	1,936.5
1990	535.3	535.1	634.6	546.5	2,251.5
1991	442.6	551.5	703.3	592.0	2,289.4
1992	626.4	621.5	699.0	586.9	2,533.8
1993	579.8	551.7	651.7	576.4	2,359.7
1994	596.3	548.6	682.9	604.6	2,432.5
1995	598.7	621.6	803.4	672.4	2,696.1
1996	698.2	658.8	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	13.0	9.1	6.9	4.4	8.2
1981	5.9	10.0	8.8	7.3	8.0
1982	0.1	3.5	-2.3	0.7	0.5
1983	-0.7	-3.7	3.0	4.7	0.8
1984	17.7	16.6	18.9	13.7	16.7
1985	9.6	2.0	3.0	0.4	3.6
1986	5.5	13.0	22.2	18.5	14.9
1987	19.4	13.2	19.9	19.9	18.2
1988	19.9	24.1	20.9	6.2	17.7
1989	10.9	0.0	-1.2	4.0	3.1
1990	10.4	16.4	17.3	21.2	16.3
1991	-17.3	3.1	10.8	8.3	1.7
1992	41.5	12.7	-0.6	-0.9	10.7
1993	-7.4	-11.2	-6.8	-1.8	-6.9
1994	2.8	-0.6	4.8	4.9	3.1
1995	0.4	13.3	17.6	11.2	10.8
1996	16.6	6.0	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-5

**AVERAGE DAILY VISITOR CENSUS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
In Thousands of Persons					
1990	168.4	155.4	170.2	154.4	162.1
1991	150.0	161.2	171.4	146.7	157.3
1992	160.9	146.1	155.0	151.3	153.3
1993	157.5	137.7	151.8	148.0	148.7
1994	174.6	143.5	157.4	161.4	159.2
1995	167.8	146.9	162.6	156.1	158.4
1995	174.7	148.9	n/a	n/a	n/a
Average Daily Westbound Visitors					
1990	132.9	122.4	127.7	119.5	125.6
1991	119.4	127.2	127.4	110.8	121.2
1992	123.1	108.4	110.0	113.7	113.8
1993	119.9	101.8	103.2	107.6	108.1
1994	127.6	106.3	109.7	117.6	115.3
1995	125.8	106.4	110.1	114.6	114.2
1996	128.3	107.5	n/a	n/a	n/a
Average Daily Eastbound Visitors					
1990	35.4	33.0	42.5	34.9	36.4
1991	30.6	34.1	44.0	35.9	36.2
1992	37.7	37.7	45.1	37.6	39.5
1993	37.6	35.9	48.6	40.4	40.6
1994	47.0	37.2	47.7	43.9	44.0
1995	42.0	40.4	52.4	41.6	44.1
1996	46.4	41.3	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-6

**AVERAGE DAILY VISITOR CENSUS**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percentage Change from the Same Period in Previous Year					
1991	-10.9	3.8	0.7	-4.9	-2.9
1992	7.3	-9.4	-9.5	3.1	-2.5
1993	-2.1	-5.8	-2.1	-2.2	-3.0
1994	10.9	4.2	3.7	9.1	7.1
1995	-3.9	2.3	3.3	-3.3	-0.6
1996	4.1	1.4	n/a	n/a	n/a
Average Daily Westbound Visitors					
1991	-10.2	3.9	-0.3	-7.2	-3.5
1992	3.2	-14.7	-13.7	2.6	-6.1
1993	-2.6	-6.1	-6.1	-5.4	-5.0
1994	6.4	4.4	6.3	9.3	6.6
1995	-1.4	0.2	0.4	-2.5	-0.9
1996	1.9	1.0	n/a	n/a	n/a
Average Daily Eastbound Visitors					
1991	-13.7	3.4	3.7	3.0	-0.8
1992	23.3	10.6	2.4	4.7	9.3
1993	-0.3	-4.8	7.8	7.4	2.8
1994	25.2	3.7	-1.8	8.6	8.3
1995	-10.7	8.6	9.9	-5.3	0.3
1996	10.5	2.3	n/a	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-7

**HOTEL OCCUPANCY RATE**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
Percentage					
1980	78.4	67.9	67.3	65.3	69.7
1981	72.0	66.5	70.2	64.1	68.2
1982	79.0	65.9	70.9	66.7	70.6
1983	75.2	68.1	71.7	66.5	70.4
1984	84.0	75.6	74.6	75.1	77.3
1985	88.1	69.1	75.0	72.5	76.2
1986	87.0	78.8	79.9	76.8	80.6
1987	88.0	77.1	82.1	77.8	81.2
1988	81.7	75.1	81.3	75.1	78.3
1989	85.9	73.9	81.0	75.7	79.1
1990	83.9	75.5	81.0	74.3	78.7
1991	68.2	70.7	79.7	72.5	72.8
1992	75.3	68.6	75.5	75.2	73.6
1993	75.3	67.9	73.8	72.5	72.4
1994	80.9	72.7	79.1	74.8	76.9
1995	80.2	71.8	80.2	75.4	76.7
1996	82.1	72.5	n/a	n/a	n/a

Note: n/a = not available.

Source: PKF Hawaii.

## Quarterly Statistical & Economic Report

September 1996

### CONSTRUCTION

The value of construction completed increased 6.7 percent in the second quarter of 1996, following an increase of 6.0 percent in the first quarter, both relative to previous-year figures (table E-2.) For four quarters in a row, the value of construction completed came in above the \$800 million level. This is a significant improvement over the first and second quarters of 1995.

Although construction output rose, the number of wage and salary jobs in the industry declined 7.0 percent from the first half of 1995 to the first half of 1996 (table 1). These apparently contradictory trends may indicate that the number of proprietors in the industry increased during the same period. Unfortunately, data are unavailable to verify this hypothesis at this time.

The value of private building authorizations, an indicator of future construction, declined substantially in the first half of 1996 relative to the same period in 1995 (table E-2). Because of data unavailability, information for Maui could not be included in the figures for permit authorizations. Therefore the percentage changes from the first quarter of 1995 are calculated excluding the Maui data for 1995. The year-over-year figures also indicate that government contracts declined 29.3 percent in the second quarter of 1996, following an increase of 8.8 percent in the first quarter.

#### Introduction

#### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

#### Part II - Labor Force and Jobs - Overview

#### Part III - Income and Prices - Overview

#### Part IV - Tax Base and Revenues - Overview

#### Part V - Tourism - Overview

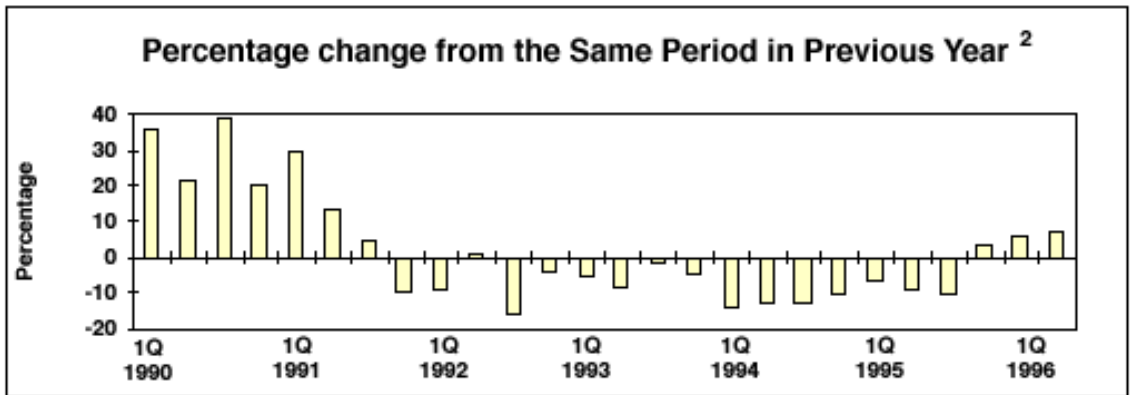
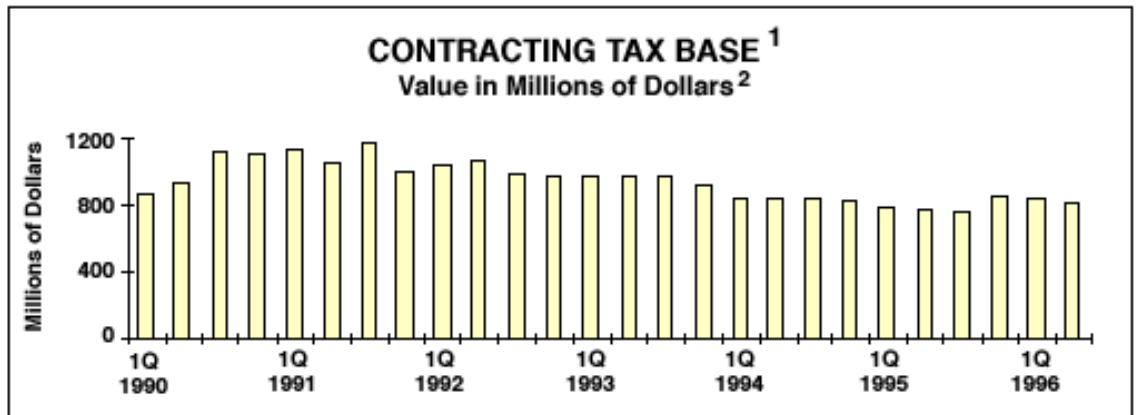
#### Part VI - Construction - Overview

#### Terms and Definitions

#### Archive

#### Statistics & Publications





Notes: 1/ The Contracting Tax Base is attributed to every business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.

2/ Data corresponds to table C-10 (Contracting Tax Base).

Source: Research and Economic Analysis Division, DBEDT.

[Download a spreadsheet file of Tables E-1 through E-7. \(q3const.xls\)](#)

Table E-1

**ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED**

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations	
In Millions of Dollars						
1980	1,569.7	1,219.2	680.2	331.5	207.5	244.5
1981	1,584.7	802.0	398.3	240.8	162.9	429.2
1982	1,323.9	683.1	299.2	242.9	141.1	391.6
1983	1,334.2	685.2	296.2	203.2	185.9	275.0
1984	1,227.2	581.5	327.7	104.0	149.9	388.7
1985	1,429.6	888.4	500.1	208.8	180.1	248.9
1986	1,802.1	1,025.2	455.5	267.4	302.3	422.7
1987	2,145.5	1,161.9	507.0	344.4	310.5	370.9
1988	2,529.0	1,546.5	689.2	541.2	316.1	665.0
1989	3,193.1	1,882.4	910.7	561.8	409.9	725.2
1990	4,121.6	2,101.8	952.3	698.0	451.5	825.5
1991	4,305.3	2,151.8	1,192.0	556.2	403.7	729.4
1992	3,950.4	1,751.9	811.1	532.3	408.5	1,159.1
1993	3,785.4	1,496.5	734.7	306.3	455.5	651.8
1994	3,317.3	1,612.9	849.3	370.3	393.4	693.0
1995	3,153.4	1,531.3	745.5	368.3	417.5	490.2
1996 1 Qtr.	803.0	280.4	118.3	78.4	83.7	162.5
2 Qtr.	806.4 4/	235.6 3/	80.7 3/	56.1 3/	98.8 3/	78.0

Notes: 1/ Value of construction subject to State excise tax, adjusted to reflect reporting delay of about one month.

2/ Includes hotels.

3/ Maui county data not included.

4/ DBEDT preliminary estimate.

Source: Hawaii State Department of Taxation; F. W. Dodge; County building departments; and First Hawaiian Bank.

Table E-2

**ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW PRIVATE BUILDING AUTHORIZATIONS, AND GOVERNMENT CONTRACTS AWARDED**

Year	Value of Construction Completed 1/	Private Building Authorization				Government Contracts Awarded
		Total Private Authorizations	Residential	Commercial and Industrial 2/	Additions and Alterations	
Percentage Change from the Same Period in Previous Year						
1981	1.0	-34.2	-41.4	-27.4	-21.5	75.5
1982	-16.5	-14.8	-24.9	0.9	-13.4	-8.8
1983	0.8	0.3	-1.0	-16.3	31.8	-29.8
1984	-8.0	-15.1	10.6	-48.8	-19.4	41.3
1985	16.5	52.8	52.6	100.8	20.1	-36.0
1986	26.1	15.4	-8.9	28.1	67.9	69.8
1987	19.1	13.3	11.3	28.8	2.7	-12.3
1988	17.9	33.1	35.9	57.1	1.8	79.3
1989	26.3	21.7	32.1	3.8	29.7	9.1
1990	29.1	11.7	4.6	24.2	10.1	13.8
1991	4.5	2.4	25.2	-20.3	-10.6	-11.6
1992	-8.2	-18.6	-32.0	-4.3	1.2	58.9
1993	-4.2	-14.6	-9.4	-42.5	11.5	-43.8
1994	-12.4	7.8	15.6	20.9	-13.6	6.3
1995	-4.9	-5.1	-12.2	-0.5	6.1	-29.3
1995 1 Qtr.	-2.3	39.5	49.5	65.6	13.7	3.3
2 Qtr.	-12.8	5.1	-30.4	50.4	46.8	-15.3
3 Qtr.	-5.6	-17.6	2.1	-51.6	-16.4	-63.0
4 Qtr.	1.6	-36.1	-44.0	-34.5	-18.2	-6.3
1996 1 Qtr.	6.0	-33.6	-49.2	-23.6	-13.3	8.8
2 Qtr.	6.7 4/	-35.1 3/	-47.9 3/	-14.6 3/	-30.6 3/	-29.3

Notes: 1/ Value of construction subject to State excise tax, adjusted to reflect reporting delay of about one month.

2/ Includes hotels.

3/ Maui county data not included, percentage change was calculated by subtracting Maui figure from the 1995 first quarter.

4/ DBEDT preliminary estimate.

Source: Hawaii State Department of Taxation; F. W. Dodge; County building departments; and First Hawaiian Bank.

Table E-3

**NUMBER OF SINGLE FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	1,133	1,045	887	990	4,055
1981	775	697	638	539	2,649
1982	472	536	626	651	2,285
1983	896	952	862	707	3,417
1984	1,092	1,324	1,115	911	4,442
1985	802	1,236	1,644	1,269	4,951
1986	925	1,226	1,354	1,195	4,700
1987	1,523	1,639	1,429	1,475	6,066
1988	1,323	1,767	2,096	1,114	6,290
1989	1,474	1,620	1,993	1,777	6,858
1990	1,922	1,476	1,132	1,472	6,002
1991	1,094	1,010	1,303	1,419	4,826
1992	1,317	1,058	1,388	816	4,576
1993	1,147	1,311	1,064	1,228	4,750
1994	961	963	1,426	1,226	4,576
1995	796	1,138 1/	1,180	778	3,892
1996	756	467 2/	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-22.6	-37.5	-45.2	-30.7	-34.4
1981	-31.6	-33.3	-28.1	-45.6	-34.7
1982	-39.1	-23.1	-1.9	20.8	-13.7
1983	89.8	77.6	37.7	8.6	49.5
1984	21.9	39.1	29.4	28.9	30.0
1985	-26.6	-6.6	47.4	39.3	11.5
1986	15.3	-0.8	-17.6	-5.8	-5.1
1987	64.6	33.7	5.5	23.4	29.1
1988	-13.1	7.8	46.7	-24.5	3.7
1989	11.4	-8.3	-4.9	59.5	9.0
1990	30.4	-8.9	-43.2	-17.2	-12.5
1991	-43.1	-31.6	15.1	-3.6	-19.6
1992	20.4	4.8	6.5	-42.5	-5.2
1993	-12.9	23.9	-23.3	50.5	3.8
1994	-16.2	-26.5	34.0	-0.2	-3.7
1995	-17.2	18.2 1/	-17.3	-36.5	-14.9
1996	-5.0	-59.0 2/	n/a	n/a	n/a

Notes: n/a = not available.

1/ Estimate only.

2/ Maui county data not included.

Sources: F. W. Dodge; County building departments.

Table E-4

**NUMBER OF MULTI-FAMILY UNITS AUTHORIZED**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	1,237	1,095	2,340	1,931	6,603
1981	742	1,877	409	114	3,142
1982	313	182	1,831	2,268	4,594
1983	11	158	1,058	104	1,331
1984	61	331	134	495	1,021
1985	1,151	696	291	312	2,450
1986	1,247	299	509	424	2,479
1987	488	567	99	305	1,459
1988	428	702	528	935	2,593
1989	309	1,501	664	457	2,931
1990	495	690	349	1,138	2,672
1991	2,330	973	764	736	4,803
1992	520	484	1,219	517	2,740
1993	272	556	1,120	476	2,424
1994	427	974	630	774	2,805
1995	1,290	290	874	192	2,646
1996	220	108 1/	n/a	n/a	n/a
Percentage Change from the Same Period in Previous Year					
1980	-47.8	1.3	99.8	13.7	4.0
1981	-40.0	71.4	-82.5	-94.1	-52.4
1982	-57.8	-90.3	347.7	1889.5	46.2
1983	-96.5	-13.2	-42.2	-95.4	-71.0
1984	454.5	109.5	-87.3	376.0	-23.3
1985	1786.9	110.3	117.2	-37.0	140.0
1986	8.3	-57.0	74.9	35.9	1.2
1987	-60.9	89.6	-80.6	-28.1	-41.1
1988	-12.3	23.8	433.3	206.6	77.7
1989	-27.8	113.8	25.8	-51.1	13.0
1990	60.2	-54.0	-47.4	149.0	-8.8
1991	370.7	41.0	118.9	-35.3	79.8
1992	-77.7	-50.3	59.6	-29.8	-43.0
1993	-47.7	14.9	-8.1	-7.9	-11.5
1994	57.0	75.2	-43.8	62.6	15.7
1995	202.1	-70.2	38.7	-75.2	-5.7
1996	-82.9	-62.8 1/	n/a	n/a	n/a

Notes: n/a = not available.

1/ Maui county data not included.

Sources: F. W. Dodge; County building departments.

Table E-5

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, SINGLE FAMILY RESIDENCE (1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	60.9	59.5	60.7	61.7	60.7
1981	61.6	61.3	62.9	63.9	62.4
1982	65.4	64.5	65.0	66.3	65.3
1983	69.6	71.0	72.4	73.1	71.5
1984	74.7	74.3	74.5	75.0	74.6
1985	76.1	75.7	77.6	77.2	76.6
1986	78.5	78.1	79.1	81.5	79.3
1987	80.9	81.3	82.5	83.6	82.1
1988	86.7	85.4	86.6	88.0	86.7
1989	89.5	90.5	90.3	91.5	90.5
1990	91.6	92.5	97.3	99.0	95.1
1991	98.6	97.7	98.3	99.1	98.4
1992	101.5	102.7	103.1	103.3	102.7
1993	108.2	114.9	112.2	110.6	115.5
1994	118.4	124.3	121.6	120.5	121.2
1995	117.6	117.8	118.3	119.3	118.2
1996	120.7	122.4	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	10.0	5.8	5.9	4.1	6.5
1981	1.2	3.0	3.6	3.6	2.8
1982	6.2	5.2	3.3	3.8	4.6
1983	6.4	10.1	11.4	10.3	9.5
1984	7.3	4.6	2.9	2.6	4.3
1985	1.9	1.9	4.2	2.9	2.7
1986	3.2	3.2	1.9	5.6	3.5
1987	3.1	4.1	4.3	2.6	3.5
1988	7.2	5.0	5.0	5.3	5.6
1989	3.2	6.0	4.3	4.0	4.4
1990	2.3	2.2	7.8	8.2	5.1
1991	7.6	5.6	1.0	0.1	3.5
1992	2.9	5.1	4.9	4.2	4.4
1993	6.6	11.9	8.8	7.1	12.5
1994	9.4	8.2	8.4	9.0	4.9
1995	-0.7	-5.2	-2.7	-1.0	-2.4
1996	2.7	3.9	n/a	n/a	n/a

Note: n/a = not available.

Sources: F. W. Dodge; County building departments.

Table E-6

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, HIGH-RISE BUILDING (1992=100)**

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
1980	57.6	58.0	59.5	60.8	59.0
1981	61.1	61.9	63.0	64.7	62.7
1982	67.0	66.1	66.7	68.6	67.1
1983	71.4	71.0	71.7	72.7	71.7
1984	75.0	73.9	74.1	74.6	74.4
1985	76.2	75.0	76.7	76.8	76.2
1986	78.5	77.4	78.1	79.5	78.4
1987	80.3	81.0	81.3	81.3	81.0
1988	84.7	83.4	84.3	86.0	84.6
1989	88.1	89.1	89.2	91.0	89.4
1990	90.8	92.0	98.5	100.2	95.4
1991	99.6	98.7	99.6	99.0	99.2
1992	99.7	98.5	99.6	100.0	99.4
1993	102.7	103.3	104.0	105.8	103.9
1994	107.7	109.1	109.6	113.2	109.9
1995	113.5	113.5	114.2	115.3	114.1
1996	115.8	116.0	n/a	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
1980	10.9	9.1	10.2	8.8	9.8
1981	6.1	6.7	5.9	6.4	6.3
1982	9.7	6.8	5.9	6.0	7.0
1983	6.6	7.4	7.5	6.0	6.9
1984	5.0	4.1	3.3	2.6	3.8
1985	1.6	1.5	3.5	2.9	2.4
1986	3.0	3.2	1.8	3.5	2.9
1987	2.3	4.7	4.1	2.3	3.3
1988	5.5	3.0	3.7	5.8	4.4
1989	4.0	6.8	5.8	5.8	5.7
1990	3.1	3.3	10.4	10.1	6.7
1991	9.7	7.3	1.1	-1.2	4.0
1992	0.1	-0.2	0.0	1.0	0.2
1993	3.0	4.9	4.4	5.8	4.5
1994	4.9	5.6	5.4	7.0	5.8
1995	5.4	4.1	4.2	1.8	3.9
1996	2.0	2.1	n/a	n/a	n/a

Note: n/a = not available.

Sources: F. W. Dodge; County building departments.

Table E-7

**ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION  
AUTHORIZATIONS, BY COUNTY: 1980 TO 1996**

<i>Year</i>	<i>State</i>	<i>City &amp; County of Honolulu</i>	<i>Hawaii County</i>	<i>Kauai County</i>	<i>Maui County</i>
In Thousands of Dollars					
1979	874,915	501,392	112,180	113,819	147,523
1980	1,219,207	686,277	145,994	133,252	253,689
1981	801,999	454,136	136,497	67,653	143,712
1982	683,124	473,009	75,175	44,237	90,703
1983	685,205	366,828	86,653	140,456	91,269
1984	581,497	378,299	90,349	53,010	59,839
1985	888,436	524,823	121,345	63,889	178,933
1986	1,025,195	546,375	231,404	93,199	154,120
1987	1,161,897	749,472	145,157	103,481	163,786
1988	1,546,474	743,056	181,228	213,678	408,508
1989	1,882,397	1,047,747	338,060	178,689	317,364
1990	2,101,767	998,921	429,964	238,968	433,916
1991	2,151,849	1,462,676	369,454	118,547	201,174
1992	1,751,871	1,060,700	379,158	111,098	200,916
1993	1,496,483	959,043	248,239	86,010	203,179
1994	1,612,899	1,073,264	181,059	164,681	193,894
1995	1,894,214	980,703	267,108	78,918	204,588
1995 1 Qtr.	422,400	272,212	101,456	12,857	35,874
2 Qtr.	475,667	272,840	66,803	23,254	112,770
3 Qtr.	380,050	284,998	43,702	19,451	31,900
4 Qtr.	253,201	150,654	55,147	23,356	24,045
1996 1 Qtr	280,442	193,018	27,283	23,487	36,691
2 Qtr.	235,600 1/	146,189	65,975	23,486	n/a

Notes: n/a = not available.

1/ Maui County data not included.

Source: County building permits.



Table E-7 (con.)

**ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION  
AUTHORIZATIONS, BY COUNTY: 1980 TO 1996**

<i>Year</i>	<i>State</i>	<i>City &amp; County of Honolulu</i>	<i>Hawaii County</i>	<i>Kauai County</i>	<i>Maui County</i>
<b>Percentage Change From The Same Period in Previous Year</b>					
1980	39.4	36.9	30.1	17.1	72.0
1981	-34.2	-33.8	-6.5	-49.2	-43.4
1982	-14.8	4.2	-44.9	-34.6	-36.9
1983	0.3	-22.4	15.3	217.5	0.6
1984	-15.1	3.1	4.3	-62.3	-34.4
1985	52.8	38.7	34.3	20.5	199.0
1986	15.4	4.1	90.7	45.9	-13.9
1987	13.3	37.2	-37.3	11.0	6.3
1988	33.1	-0.9	24.8	106.5	149.4
1989	21.7	41.0	86.5	-16.4	-22.3
1990	11.7	-4.7	27.2	33.7	36.7
1991	2.4	46.4	-14.1	-50.4	-53.6
1992	-18.6	-27.5	2.6	-6.3	-0.1
1993	-14.6	-9.6	-34.5	-22.6	1.1
1994	7.8	11.9	-27.1	91.5	-4.6
1995	17.4	-8.6	47.5	-52.1	5.5
1995 1 Qtr.	39.5	61.4	153.0	-68.1	-33.3
2 Qtr.	5.1	-10.0	87.9	-61.7	112.8
3 Qtr.	-17.6	-16.3	-9.2	-24.8	-31.7
4 Qtr.	-36.1	-42.3	-3.8	-38.3	-40.4
1996 1 Qtr	-33.6	-29.1	-73.1	82.7	2.3
2 Qtr.	-35.1	1/ -46.4	-1.2	1.0	n/a

Notes: n/a = not available.

1/ Maui County data not included.

Source: County building permits.

# Quarterly Statistical & Economic Report

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## TERMS AND DEFINITIONS

**All Others** - includes all gross income from any business, trade, activity, occupation, or calling not included above.

**Average Daily Visitor Census** - is the average number of visitors present daily in the state. Figures are computed monthly by the Hawaii Visitors Bureau, based on arrival and departure dates from inflight questionnaires.

**Civilian Employment** - refers to persons 16 years of age or older, who during the survey week containing the 12th of the month were either at work for pay or profit, or worked without pay for 15 hours or more on a family farm or business, or were with a job but not at work. Both permanent and temporary employees and those who are working either full- or part-time are included.

**Civilian Labor Force** - is the total of employed and unemployed persons, excluding those in the armed forces and 16 years of age or under. Surveys are done by census from the Department of Labor.

**Civilian Unemployment** - is defined as persons who are 16 years of age or older, and (1) who did not work at all during the survey week but were actively seeking work and were available for work; or (2) who did not work at all, were available for work, and were waiting to be called back from layoff or were waiting to report to a new wage or salary job within 30 days.

**Commissions** - includes the gross income from activities which consists of commissions. Does not include the rendering of services by an employee to his employer.

**Construction Jobs** - are jobs held by any person engaged in construction, repairing, erecting, or improving buildings or structures of any type or description, and any installations therein. Such construction includes not only residential and non-residential building projects, both private and public, but also highway and road construction, street and sidewalk construction, repair, excavations, bridges, docks, and other heavy construction projects.

### Introduction

#### Part I - Economic Trends and Outlook

- State of the Economy
- Outlook of the Economy
- County Economic Conditions

#### Part II - Labor Force and Jobs - Overview

#### Part III - Income and Prices - Overview

#### Part IV - Tax Base and Revenues - Overview

#### Part V - Tourism - Overview

#### Part VI - Construction - Overview

### Terms and Definitions

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### Statistics & Publications

**Contracting** - includes building contractors, land developers, architects, engineers, and pest control operators.

**Contracting Tax Base** - is the total receipts of businesses engaged in contracting to erect, construct, repair, or improve buildings or structures of any kind or description, or to make any installation therein. It is attributed to every business engaging in the practice of architecture, engineering, land surveying, landscape architecture, and the practice of pest control or fumigation.

**Contribution to Social Insurance** - are funds paid out to the federal government to satisfy FICA (social security) requirements.

**Dividends, Interest, and Rent** - is income derived from corporate earnings, bank accounts, real estate activity, other rental activity, and any other income based on investments.

**Eastbound Visitors** - represents those visitors who stayed in Hawaii for at least one night but less than one year (if students, less than six months), from Asia, Australia, and the Pacific. Since the Hawaii Visitors Bureau does not have a visitor profile encompassing the entire eastbound travel market, this figure is obtained by subtracting the westbound overnight or longer visitors from the total visitor arrivals.

**General Excise (Gross Income) Tax** - is a tax charged to businesses on the gross proceeds of sales or gross income. The tax rate is 1/2 of 1% on wholesaling and intermediary services, blind vendors, producing, manufacturing, sugar processing and pineapple canning; all other activities (retailing business and professional services, contracting, theater, amusement, radio, interest, commissions, rentals) are taxed at 4%, except insurance commissions received by general agents, subagents and solicitors, who are taxed at .15%.

**General Excise and Use Tax Base** - is the taxable sales of all goods and services. It is one of the most comprehensive measures of business activity in the state.

**General Fund Tax Revenues** - is the general government fund used to account for all financial resources except those required to be accounted for in another fund, such as the highway fund, capital improvement fund, or airport fund.

**Government, State and Local** - includes activities or expenditures of the legislative and judicial branches, and some functions of the executive

branch of government. It also includes expenditures for staff agencies such as the accounting, budget, purchasing, tax, and data processing offices.

**Honolulu Consumer Price Index** - is a measure of the average change in prices over time for a fixed market basket of goods and services published by the Bureau of Labor Statistics. The index measures price changes from a designated reference date (i.e., 1982-84), which equals 100.0. An increase of 7 percent, for example, is shown as 107.0. This change can also be expressed in dollars as follows: the price of a base period "market basket" of goods and services in the CPI has risen from \$100 in 1982-84 to \$107. Data are updated twice a year.

**Hotel Jobs** - are all jobs contained on a hotel payroll. The count varies between hotels depending on the reporting methods of the hotel.

**Hotel Occupancy** - is the percentage of occupied rooms in a hotel vis-à-vis the unoccupied rooms. Hotel occupancy rates depend not only on the number of visitors and their length of stay, but also on the hotel room inventory, e.g., a large increase in new hotel units results in a drop in occupancy rates, until such time as visitor traffic builds up enough to fill them. Rates are obtained from a sample survey conducted on a monthly basis.

**Hotel Rental Tax Base** - is the economic base from which all hotel business activity is taxed. Includes the furnishing of temporary accommodations in a hotel, or other place in which lodgings are regularly furnished to transients for compensation.

**Hotel Rentals** - includes gross income from the furnishing of temporary accommodations in a hotel, or other place in which lodgings are regularly furnished to transients for compensation.

**Insurance Commissions** - includes commissions received by a licensed solicitor, general agent, or sub-agent that is subject to the Hawaii insurance law.

**Interest** - includes interest and any gross income in the nature of interest received or derived from a business activity or from the investment of the capital of a business.

**Labor Force** - See Civilian Labor Force.

**Manufacturing** - includes compounding, canning, preserving, packing, printing, publishing, mailing, processing, refining, or preparing for sale, profit, or commercial use, either directly or through the activity of others, in

whole or in part, any article, substance, or commodity.

**Manufacturing Jobs** - are jobs in manufacturing industries, such as textiles, apparel, printing, publishing, food processing, and durable goods.

**Manufacturing Tax Base** - represents the tax base on all manufacturing activities, excluding sugar processing and pineapple canning. Manufacturing refers to any person or establishment who buys materials and performs work on such materials or processes, and changes such materials into a finished or semi-finished product. Direct wholesale and retail sales by manufacturers are not included in manufacturing tax sales.

**Net Income Tax** - is the tax rate for individuals as well as estates and trusts, ranging from 2.0% to 10.0% of taxable income. The allowable standard deduction amounts vary by filing status (\$1900 for married filing joint return or surviving spouse with dependent child; \$1500 for single; \$1650 for head of household, and \$950 for married filing separately. Tax rates for corporations are 4.4% up to \$25,000; 5.4% for \$25,000 to \$100,000; and 6.4% over \$100,000.

**Non-Agricultural Wage and Salary Jobs** - is derived monthly from a sample survey of employers reporting the number of persons who received pay for any part of the pay period containing the 12th of the month. Included are all full- and part-time non-agricultural workers, permanent and temporary workers, and workers on paid sick leave and paid vacation.

**Other Labor Income** - is labor income other than wages and salaries.

**Other Rentals** - includes rental income from real or personal property except the furnishing of transient accommodations in a hotel or other place in which lodgings are regularly furnished to transients for compensation.

**Personal Income** - is income received by all individuals in an economy from all sources, made up of wages and salaries, other labor income, and the difference between transfer payments and personal contributions for social insurance. This figure is compiled by the Bureau of Economic Analysis (BEA).

**Price Index** - is a weighted average of prices in the economy at any given time, divided by the prices of the same goods in a base year. For example, the Consumer Price Index is the ratio of an average of the prices of consumer goods in each month to the average prices of the same goods in 1982-84, the base year.

**Producing** - includes fishing, raising, or producing of agricultural, animal,

or poultry products in their natural state (or butchered, dressed, or natural resource products). Also includes the sale or geothermal resources or electrical energy produced by geothermal resources.

**Proprietors' Income** - measures the earnings of unincorporated businesses, (proprietorships, partnerships, and producers' cooperatives), from their current business operations. It includes both farm and nonfarm businesses, but excludes capital gains and losses.

**Retailing** - includes all sales of tangible personal property to the customer for use or consumption and not for resale.

**Retailing Tax Base** - includes the general excise tax base on retailing, the tax base on the use tax, and the tax base on the sales by blind vendors. Retail sales include sales for consumption or use by the purchaser and not for resale. The general excise tax at the retail level (4%) is sometimes loosely called a sales tax. However, it differs from a typical sales tax in two respects: (1) it is a tax on the gross income of the seller rather than a tax on the purchase price of the buyer; (2) the retail excise tax in Hawaii applies to all retail sales (both goods and services) whereas most Mainland sales taxes exempt some commodities like food and services.

**Services** - includes all activities engaged in for other persons for a consideration which involve the rendering of a service as distinguished from the sale of tangible property or the production and sale of tangible property. Includes all professional services.

**Services Tax Base** - includes tax base data on establishments primarily engaged in providing a wide variety of services for individuals, business and government establishments, and other organizations; hotels and other lodging places; establishments providing personal, business, repair, and amusement services; health, legal, engineering, and other professional services; educational institutions; membership organizations and other miscellaneous services.

**Tax Base** - is the total amount of receipts in which taxes can be assessed.

**Total Jobs** - includes non-agricultural wage and salary workers, non-agricultural self-employed, unpaid family workers, domestics, and all agricultural workers. Persons on the payroll of more than one establishment during the pay period are counted in each establishment which reports them, if they received pay for any part of the specified pay period, but are not considered employed if they received no pay at all.

**Total Visitors** - represents those visitors who stayed in Hawaii for at least

one night but less than one year (if students, less than six months). It includes both westbound arrivals (traveling from North America) and eastbound arrivals (traveling from Asia, Australia, and Oceania).

**Transfer Payments** - are payments made for which no goods or services are produced in return. Examples are welfare and social security.

**Transient Accommodations Tax** - is a tax levied on the furnishing of a room, apartment, suite or the like which is customarily occupied by the transient for less than 180 consecutive days for each letting by a hotel, apartment, motel, horizontal property regime or cooperative apartment, rooming house, or other place in which lodgings are generally furnished to transients for consideration. The tax is imposed at the rate of 6%. The registration fee for transient accommodations operators is a one-time fee of \$5 for each registration consisting of 1 to 5 units and \$15 for 6 or more units.

**Unemployment Rate** - is a ratio of unemployed persons divided by the civilian labor force.

**Use Tax** - is an excise tax levied on tangible personal property which is imported or purchased from an unlicensed seller for use in the state. The tax is based upon the purchase price or value of the tangible personal property purchased or imported, whichever is applicable. Rates: 1/2 of 1%, if for resale at retail; 4%, if for use or consumption.

**Wages and Salaries** - is income received for services rendered.

**Westbound Visitors** - represents those visitors who stayed in Hawaii for at least one night but less than one year (if students, less than six months), who are traveling from North America (Mainland U.S.).

**Wholesaling** - includes sales of tangible personal property to licensed persons for resale or incorporation into a product or project, and sales to certain leasing companies.