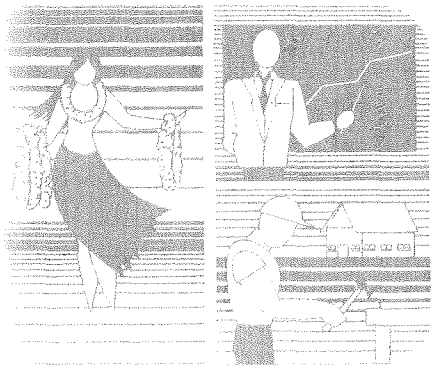
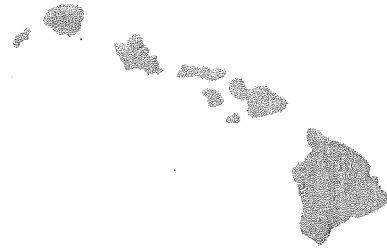
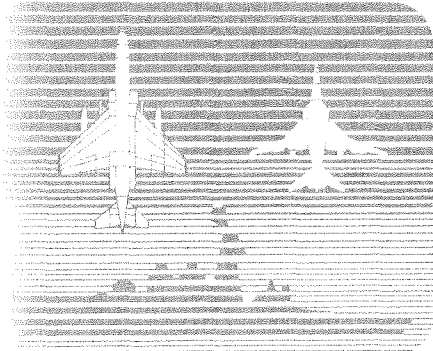
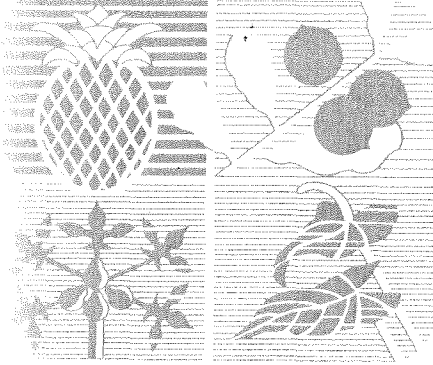
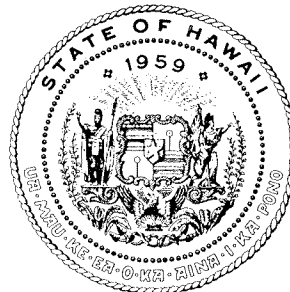
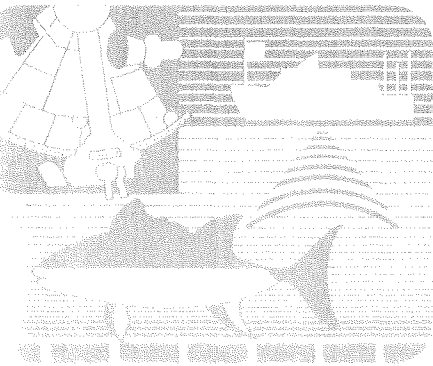


**DBEDT**  
THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM  
STATE OF HAWAII

# QUARTERLY STATISTICAL & ECONOMIC REPORT



December 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 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 December 1996.

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## STATE OF THE ECONOMY

Hawaii's tourism recovery continued but slowed through the second half of 1996. The number of visitors increased only 2.3 percent, following a 4.1 percent increase in the second quarter and a 9.5 percent increase in the first quarter as compared to the same periods in 1995 (table D-1.) The decline in the growth rate in the third quarter of 1996 was mainly due to a flat 0.1 percent growth in eastbound arrivals, many of whom are from Japan. This low eastbound growth rate may partly reflect a rebound from the high growth of eastbound visitors from the third quarter of 1994 to the third quarter of 1995 (table D-4). Westbound arrivals increased 4.1 percent in the third quarter of 1996 as compared to the same period in 1995 (table D-3.) Latest data indicate that the number of visitors to Hawaii declined 0.7 percent in October-November 1996 as compared to the 1995 October-November figure. Overall, the number of visitor arrivals increased 4.2 percent from the first eleven months of 1995 to the first ten months of 1996.

Higher hotel room rates may have resulted in higher tax revenues and shorter average lengths of stay. The transient accommodation tax (TAT) revenues and the General Excise and Use Tax (GET) base for hotel rentals grew 21.8 percent and 20.7 percent, respectively, in the third quarter of 1996 over year-earlier figures (tables C-6 and C-11). Latest data indicate that TAT collections grew only 8.8 percent in October 1996 and fell 16.1 percent in November 1996, as compared to the same months in 1995. The decline of TAT growth rates for October and November was partly due to the "weekend effect." For example, because

November 1996 ended with a weekend, the November 1996 tax payment due date was shifted to December 2, 1996. The average hotel occupancy rate, however, was down 1.9 percentage points during the third quarter of 1996 and down 3.5 percentage points in October-November 1996, reflecting the decline in average lengths of stay by visitors (table D-7).

There was some positive news in the construction industry. The GET base for contracting grew by 8.1 percent in the third quarter of 1996 and 7.0 percent in the first nine months of 1996 over the same periods of 1995 (table 1). Although the tax base declined in October and November 1996, the GET base for contracting increased 3.5 percent in the first eleven months of 1996, as compared to the same period in 1995. As previously discussed, part of the decline in October and November 1996 was due to the "weekend effect." It is expected that annual construction in 1996 will have shown the first increase in current dollar output since 1991. On the other hand, the number of wage and salary jobs in the industry continued to decline. The 24,200 jobs in the third quarter of 1996 were 2,300 less than the same period of 1995, an 8.8 percent decline (table A-7.) Latest information indicates that the number of jobs in the industry was only 21,200 in November 1996, or 20 percent less than the November 1995 figure.

Modest growth in several industries and some unique technical features led to higher tax revenues in the first nine months of calendar year 1996. State General Fund Tax revenues rose 4.7 percent in the third quarter and 9.0 percent in

the first nine months of 1996 (table 1) following a 2.2 percent decline in all of calendar year 1995 (table C-1). The general excise tax (GET) collections, the largest source of General Fund Tax revenues, increased 8.9 percent in the third quarter of 1996 and 7.3 percent in the first nine months of 1996, relative to the 1995 figures (table C-3). Individual Income Tax collections net of refunds, the second-largest source of General Fund Tax revenues, exhibited a large year-over-year growth of 12.3 percent in the first nine months of 1996 (table C-4). However, most of that increase came in the second quarter of 1996 and reflected lower income tax refunds and higher payments with returns when Hawaii's residents filed their 1995 income tax returns. Lower food tax credits and the elimination of general excise and medical services tax credits largely explain the lower tax refunds and higher payments with returns. As the 1995 income tax refunds were mostly completed in the second quarter of 1996, net individual income tax revenues declined 0.1 percent in the third quarter of 1996 as compared to the year-earlier figure. This may reflect the continuing decline in the number of jobs in the state as discussed below. Latest data indicate that State General Fund Tax revenues declined 6.0 percent in October 1996, and 12.7 percent in November 1996, both relative to the same months in 1995. Again, part of the decline was due to the "weekend effect" and to unusually bad weather.

Despite growth in some key areas of the economy, the number of non-agriculture wage and salary jobs declined 1.0 percent in the third quarter as well as in the first nine months of 1996, as compared to the same periods in 1995 (table 1). Most of the 5,300 jobs lost in the first

nine months of 1996 was due to the restructuring of the State government (2,250 jobs lost) and the decline in construction jobs (2,000 jobs). By contrast, the number of jobs in agriculture rose from 7,100 jobs in the first nine months of 1995 to 7,250 jobs in the first nine months of 1996. The hotel industry also added 1,150 jobs in the first nine months of 1996, an increase of 3.0 percent over the year-earlier period. Latest data show that the total number of jobs continued to decline by 1.4 percent in October-November 1996 from the October-November 1995 figure.

Although the total number of wage and salary jobs declined in the first three quarters of 1996, the number of employed persons increased 1.5 percent, from 545,800 in the first nine months of 1995 to 554,000 in the first nine months of 1996 (table 1). This trend continued in October and November 1996, according to latest data from the Hawaii Department of Labor and Industrial Relations. The data are preliminary, but the divergent trends of declining jobs and rising employment may indicate an increase in the number of self-employed workers or a decline in the number of multiple job holders. It may also reflect statistical problems with one or both data series.

Perhaps reflecting the lack of growth in wage and salary jobs, the latest BEA data indicate that personal income increased only 1.8 percent in the first half of 1996, relative to the same 1995 period (table B-1). The increase is smaller than the consumer inflation rate of 2.2 percent and was mainly due to an increase in transfer payments. This performance is worrisome as it is the slowest rate of growth in personal income since 1970.



## OUTLOOK OF THE ECONOMY

Hawaii's economic growth will depend primarily on the health of the U.S. economy—particularly the economy of the State of California—and the Japan economy. The Blue Chip national economic forecast, which represents the consensus of about 50 top national forecasters, anticipates that the U.S. economy will continue to grow at a moderate rate through 1997. After an increase of 2.0 percent in 1995, Real Gross Domestic Product (GDP) is estimated to increase by 2.4 percent in 1996 and is expected to increase by 2.2 percent in 1997. Latest Blue Chip Economic Indicators (December 10, 1996) forecast that the U.S. unemployment rate is expected to decline to about 5.4 percent in 1996, down from 5.6 percent in 1995. Unemployment is expected to hold at 5.4 percent through 1997.

The implicit GDP deflator, which measures prices of all goods and services produced in the United States, increased at a rate of 2.5 percent in 1995. The GDP deflator was expected to increase only 2.1 percent in 1996, the lowest annual rate since 1966. The 1997 deflator is expected to edge up slightly to 2.4 percent.

The value of the yen is expected to fall slightly to 116 yen per U.S. dollar in 1997, down from 111.8 yen in 1996. The Blue Chip consensus for Japan's economic growth is 3.2 percent for 1996. In 1997, Japan's economy is expected to expand by 2.3 percent.

In real terms, the California economy is expected to grow 5.5 percent in 1996

and 4.0 percent in 1997. These growth rates are higher than the 3.4 percent growth rate in 1995. This acceleration in California's economy should translate into increased visitors to Hawaii over time. Economic growth in other tourism markets such as Canada, Germany, Korea, and Australia are also moderately favorable.

Although the relatively positive conditions in our major visitor markets should translate into continued economic recovery for the State, visitor arrivals have slowed in recent months. For this reason, DBEDT has lowered its estimate of visitor growth to 3.0 percent in 1997 from the 4.0 percent estimate reported in the September 1996 issue of *Quarterly Statistical and Economic Report*.

DBEDT expects inflation, as measured by changes in the Honolulu Consumer Price Index, to remain low at about 2.5 percent in 1997.

Because of the unusually low growth in personal income during the first half of 1996, and continuing declines in the number of jobs, DBEDT has revised its estimates of annual Real Gross State Product growth to 0.9 percent in 1996. As a result of this lower economic growth rate for 1996 and the lower estimate of growth in the visitor industry, Real Gross State Product will increase only 2.0 percent in 1997, rather than 2.5 percent as reported in the September 1996 issue of *Quarterly Statistical and Economic Report*.

**ACTUAL AND FORECASTED KEY ECONOMIC INDICATORS  
FOR HAWAII: 1995 TO 2000**

<i>Economic Indicators</i>	<i>1995 (actual)</i>	<i>1996 (forecast)</i>	<i>1997 (forecast)</i>	<i>1998 (forecast)</i>	<i>1999 (forecast)</i>	<i>2000 (forecast)</i>
TOTAL POPULATION (in thousands)	1,179.2	1,183.7	1,195.5	1,207.5	1,219.6	1,231.8
VISITOR ARRIVALS (in thousands)	6,629.2	6,852.7	7,058.3	7,270.0	7,524.5	7,787.8
HONOLULU CPI-U (1982-84=100)	168.1	171.8	176.1	181.4	186.8	192.4
PERSONAL INCOME (in million dollars)	29,184.1	29,913.7	31,289.7	32,885.5	34,595.6	36,394.5
PERSONAL INCOME (in \$1987 million)	19,945.7	20,005.5	20,405.6	20,813.8	21,250.8	21,718.4
TOTAL JOBS (in thousands)	576.2	570.4	577.9	589.4	601.8	614.4
GROSS STATE PRODUCT (in million dollars)	32,723.7	33,672.7	35,188.0	37,052.9	39,016.7	41,123.6
REAL GROSS STATE PRODUCT (in \$1987 million)	23,297.8	23,503.4	23,962.0	24,497.0	25,044.1	25,627.6
GROSS STATE PRODUCT DEFLATOR (1987=100)	140.5	143.3	146.8	151.3	155.8	160.5
Annual Percentage Growth						
TOTAL POPULATION (in thousands)	0.6	0.4	1.0	1.0	1.0	1.0
VISITOR ARRIVALS (in thousands)	3.2	3.4	3.0	3.0	3.5	3.5
HONOLULU CPI-U (1982-84=100)	2.2	2.2	2.5	3.0	3.0	3.0
PERSONAL INCOME (in million dollars)	3.1	2.5	4.6	5.1	5.2	5.2
PERSONAL INCOME (in \$1987 million)	0.9	0.3	2.0	2.0	2.1	2.2
TOTAL JOBS (in thousands)	(1.0)	(1.0)	1.3	2.0	2.1	2.1
GROSS STATE PRODUCT (in million dollars)	2.4	2.9	4.5	5.3	5.3	5.4
REAL GROSS STATE PRODUCT (in \$1987 million)	0.5	0.9	2.0	2.2	2.2	2.3
GROSS STATE PRODUCT DEFLATOR (1987=100)	1.9	2.0	2.5	3.0	3.0	3.0

## COUNTY ECONOMIC CONDITIONS

Economic performance for the individual counties was mixed in the first three quarters of 1996. Visitor arrivals rose in all counties except Maui. Maui experienced a 2.6 percent decline in visitor arrivals during the first nine months of 1996 relative to the same period in 1995 (table 4). The number of visitors in Hawaii county grew 4.9 percent, Kauai added 4.7 percent (table 5), and Honolulu had 1.4 percent growth in visitors over the same period (table 2). Hotel occupancy declined 1.8 percentage points in Honolulu (to 82.8 percent) in the first nine months of 1996 compared to a year earlier, but Hawaii, Maui and Kauai counties saw increases in their occupancy rates to 65.5 percent, 75.6 percent and 70.0 percent, respectively.

All counties experienced job loss during the first nine months of 1996. Honolulu county lost 1.2 percent of its jobs, followed by Maui (-1.0 percent), Kauai (-0.5 percent), and Hawaii (-0.4 percent). All counties experienced increases in civilian employment. The different directions in job and employment growth may indicate that people were losing their second or third jobs. Honolulu experienced a slight rise in the unemployment rate, while the unemploy-

ment rate fell in Hawaii, Kauai, and Maui counties.

Consistent with visitor arrivals, all counties except Maui experienced job gains in hotels. As a result of declining visitor arrivals, Maui county lost 0.9 percent of its hotel jobs in the first nine months of 1996 relative to the same period in 1995. The number of hotel jobs in Honolulu county grew by 2.5 percent, Hawaii county gained 7.2 percent, and Kauai had growth of 11.5 percent in hotel jobs during the first nine months of 1996. All the counties except Kauai gained jobs in agriculture. Kauai lost 5.6 percent of agricultural wage and salary jobs in the first three quarters of 1996.

Statewide, the GET collections, perhaps the broadest monthly measure of Hawaii's economic activity, grew 7.3 percent from the first nine months of 1995 to the same period in 1996 (table 1). The GET base rose 7.6 percent in the City and County of Honolulu, 11.9 percent in Maui County, and 2.1 percent in Hawaii County, but fell 3.4 percent in Kauai County. However, recent changes in the method of collections may have caused underreporting of economic activity on the Neighbor Islands.

Table 1  
**SELECTED ECONOMIC ACTIVITIES: STATE**

SERIES	UNIT	3rd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	591,233	1.9	589,550	1.6
Civilian Employment	PERSONS	555,000	2.1	554,000	1.5
Civilian Unemployment	PERSONS	36,250	3.8	35,500	2.3
UNEMPLOYMENT RATE 2/	%	6.1	-0.2	6.0	0.1
TOTAL JOBS	JOBS	562,893	-1.1	569,650	-1.0
TOTAL NON-AGR. WAGE & SALARY 1/	JOBS	520,367	-1.0	526,950	-1.0
Contract Construction	JOBS	24,200	-8.8	24,400	-7.6
Manufacturing	JOBS	16,517	-3.6	16,500	-2.4
Trans., Comm., Utilities	JOBS	40,417	-0.6	40,500	-0.2
Trade	JOBS	134,183	-1.4	134,400	-0.7
Retail	JOBS	112,883	-1.5	113,050	-0.7
Finance, Insur., & Real Estate	JOBS	36,433	-1.9	36,750	-0.9
Services & Miscellaneous	JOBS	165,400	0.8	165,150	0.4
Hotels	JOBS	39,183	3.8	38,900	3.0
Government	JOBS	103,183	-0.5	109,100	-1.9
State	JOBS	55,100	-1.3	61,750	-3.5
Federal	JOBS	30,667	-0.5	30,700	0.0
AGRICULTURE WAGES AND SALARIES	JOBS	7,183	-2.3	7,250	2.1
AGRICULTURE SELF-EMPLOYED	JOBS	3,968	1.7	3,800	1.3
NON-AGR. SELF-EMPLOYED	JOBS	31,375	-3.0	31,650	-2.5
STATE GENERAL FUND TAX					
REVENUES 3/	\$1,000	738,963	4.7	2,131,958	9.0
TRANS. ACCOM. TAX REVENUES 2/	\$1,000	32,397	21.8	96,736	19.7
GENERAL EXCISE & USE TAX BASE	\$MILL	11,864	3.6	35,849	4.4
Retailing Tax Base	\$MILL	3,948	2.7	11,911	4.9
Services Tax Base	\$1,000	1,438,654	7.2	4,241,167	5.4
Contracting Tax Base	\$1,000	812,061	8.1	2,448,494	7.0
Hotel Rental Tax Base	\$1,000	524,278	20.7	1,554,968	14.4
Producing Tax Base	\$1,000	106,310	-11.4	352,921	1.1
VISITOR ARRIVALS 4/	PERSONS	1,814,180	2.3	5,217,260	5.2
Westbound Visitors	PERSONS	1,025,810	4.1	3,071,970	3.5
Eastbound Visitors	PERSONS	788,370	0.1	2,145,290	7.7
HOTEL OCCUPANCY RATES 2/	%	78.5	-1.9	77.6	0.2

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/ 1996 figures are preliminary, therefore the growth rates were computed based on the 1995 preliminary (rather than the final) figures. These percentage growth rates differ from the percentage growth rates shown in tables D-2 and D-4 which are based on the final 1995 figures.

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	3rd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	427,767	2.1	428,050	1.7
Civilian Employment	PERSONS	405,883	1.9	406,700	1.4
Civilian Unemployment	PERSONS	21,900	4.9	21,300	9.2
UNEMPLOYMENT RATE 2/	%	4.9	-0.1	5.0	0.3
TOTAL JOBS	JOBS	419,547	-1.2	426,150	-1.2
TOTAL NON-AGR. WAGE & SALARY	JOBS	396,733	-1.2	403,250	-1.1
Contract Construction	JOBS	18,033	-11.7	18,450	-9.3
Manufacturing	JOBS	12,700	-1.9	12,650	-1.9
Trans., Comm., Utilities	JOBS	32,983	-0.7	33,050	-0.2
Trade	JOBS	100,533	-1.2	100,800	-0.2
Retail	JOBS	82,833	-1.3	83,050	-0.1
Finance, Insur., & Real Estate	JOBS	30,033	-1.5	30,250	-0.7
Services & Miscellaneous	JOBS	120,167	0.3	120,200	0.0
Hotels	JOBS	18,767	3.7	18,600	2.5
Government	JOBS	82,267	-0.7	87,700	-2.1
State	JOBS	41,383	-1.7	47,300	-4.1
Federal	JOBS	28,883	-0.6	28,900	0.0
AGRICULTURE WAGES AND SALARIES	JOBS	2,017	4.3	2,000	5.3
AGRICULTURE SELF-EMPLOYED	JOBS	685	-2.1	700	0.0
NON-AGR. SELF-EMPLOYED	JOBS	20,112	-2.4	20,200	-2.7
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	24,067	27.3	70,410	24.7
GENERAL EXCISE & USE TAX BASE	\$MILL	10,563	7.6	31,520	6.9
Retailing Tax Base	\$MILL	3,541	7.4	10,517	8.5
Services Tax Base	\$1,000	1,238,221	9.8	3,617,339	6.7
Contracting Tax Base	\$1,000	705,954	14.3	2,097,646	10.8
Hotel Rental Tax Base	\$1,000	413,572	31.1	1,180,062	20.0
Producing Tax Base	\$1,000	77,747	-1.5	251,670	12.8
VISITOR ARRIVALS 4/	PERSONS	1,343,840	0.1	3,851,080	1.4
Westbound Visitors	PERSONS	616,950	3.6	1,817,400	3.7
Eastbound Visitors	PERSONS	726,890	-2.7	2,033,680	8.1
HOTEL OCCUPANCY RATES 2/	%	84.9	-2.4	82.8	-1.8

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	3rd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	66,367	1.7	65,250	0.9
Civilian Employment	PERSONS	59,700	3.1	58,950	2.1
Civilian Unemployment	PERSONS	6,650	-9.9	6,300	-8.7
UNEMPLOYMENT RATE 2/	%	10.0	-1.3	9.7	-1.0
TOTAL JOBS	JOBS	56,018	0.1	55,950	-0.4
TOTAL NON-AGR. WAGE & SALARY	JOBS	46,517	0.3	46,600	-0.6
Contract Construction	JOBS	2,533	-1.9	2,400	-4.0
Manufacturing	JOBS	1,517	-13.3	1,550	-8.8
Trans., Comm., Utilities	JOBS	2,450	-2.0	2,450	-3.9
Trade	JOBS	12,133	-3.7	12,150	-3.6
Retail	JOBS	10,467	-4.0	10,500	-3.7
Finance, Insur., & Real Estate	JOBS	2,250	-3.6	2,250	-2.2
Services & Miscellaneous	JOBS	15,950	6.9	15,600	3.7
Hotels	JOBS	6,083	12.3	5,950	7.2
Government	JOBS	9,733	0.3	10,000	-0.5
State	JOBS	6,633	-0.3	7,000	-1.4
Federal	JOBS	900	0.0	850	0.0
AGRICULTURE WAGES AND SALARIES	JOBS	2,383	-6.5	2,450	4.3
AGRICULTURE SELF-EMPLOYED	JOBS	2,502	4.3	2,350	4.4
NON-AGR. SELF-EMPLOYED	JOBS	4,616	-0.4	4,550	-1.1
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	1,825	-0.8	5,901	-16.5
GENERAL EXCISE & USE TAX BASE	\$1,000	487,489	-26.5	1,653,153	-16.7
Retailing Tax Base	\$1,000	144,838	-34.1	518,388	-22.7
Services Tax Base	\$1,000	86,395	-11.9	277,351	-2.9
Contracting Tax Base	\$1,000	43,609	-23.1	143,541	-10.6
Hotel Rental Tax Base	\$1,000	15,632	-50.9	64,886	-41.3
Producing Tax Base	\$1,000	19,345	-31.2	70,927	-16.4
VISITOR ARRIVALS 4/	PERSONS	314,060	16.4	854,080	4.9
Westbound Visitors	PERSONS	214,990	8.1	664,530	4.0
Eastbound Visitors	PERSONS	99,070	39.8	189,550	8.4
HOTEL OCCUPANCY RATES 2/	%	66.5	7.5	65.5	4.9

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.

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	3rd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	67,900	1.3	67,150	1.1
Civilian Employment	PERSONS	63,317	2.3	62,550	1.7
Civilian Unemployment	PERSONS	4,583	-10.1	4,600	-6.1
UNEMPLOYMENT RATE 2/	%	6.8	-0.9	6.9	-0.5
TOTAL JOBS	JOBS	60,971	-1.0	61,000	-1.0
TOTAL NON-AGR. WAGE & SALARY	JOBS	53,567	-0.5	53,600	-0.7
Contract Construction	JOBS	2,133	4.9	2,100	5.0
Manufacturing	JOBS	1,800	-5.3	1,750	0.0
Trans., Comm., Utilities	JOBS	3,500	2.0	3,450	1.5
Trade	JOBS	14,700	-1.9	14,700	-2.0
Retail	JOBS	13,300	-2.1	13,300	-2.2
Finance, Insur., & Real Estate	JOBS	2,817	-4.5	2,850	-1.7
Services & Miscellaneous	JOBS	21,200	-0.2	21,200	-1.2
Hotels	JOBS	10,900	0.3	10,900	-0.9
Government	JOBS	7,383	1.8	7,400	0.0
State	JOBS	4,750	1.4	4,900	-1.0
Federal	JOBS	500	7.1	500	11.1
AGRICULTURE WAGES AND SALARIES	JOBS	2,050	3.4	1,900	2.7
AGRICULTURE SELF-EMPLOYED	JOBS	455	-2.6	400	0.0
NON-AGR. SELF-EMPLOYED	JOBS	4,899	-8.1	5,100	-3.8
TRANS. ACCOM. TAX REVENUES 3/	\$1,000	3,953	-17.1	17,193	14.2
GENERAL EXCISE & USE TAX BASE	\$1,000	601,307	-14.5	1,972,895	-5.3
Retailing Tax Base	\$1,000	197,065	-18.7	652,727	-9.2
Services Tax Base	\$1,000	80,846	-3.5	244,280	-0.9
Contracting Tax Base	\$1,000	44,340	-7.9	138,611	-2.5
Hotel Rental Tax Base	\$1,000	79,396	9.4	261,094	16.4
Producing Tax Base	\$1,000	6,040	-32.4	21,015	-27.9
VISITOR ARRIVALS 4/	PERSONS	595,260	-4.6	1,790,040	2.6
Westbound Visitors	PERSONS	466,160	-0.5	1,406,290	-0.1
Eastbound Visitors	PERSONS	129,100	-17.1	383,750	14.0
HOTEL OCCUPANCY RATES 2/ 5/	%	74.0	-4.2	75.6	1.0

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	3rd QUARTER 1996		YEAR-TO-DATE	
		NUMBER	% CHANGE YEAR AGO	NUMBER	% CHANGE YEAR AGO
CIVILIAN LABOR FORCE 1/	PERSONS	29,200	1.4	29,000	2.2
Civilian Employment	PERSONS	26,100	2.0	25,750	2.8
Civilian Unemployment	PERSONS	3,100	-3.1	3,250	-1.5
UNEMPLOYMENT RATE 2/	%	10.6	-0.5	11.2	-0.5
TOTAL JOBS	JOBS	26,357	-1.3	26,250	-0.5
TOTAL NON-AGR. WAGE & SALARY	JOBS	23,533	-0.6	23,400	0.0
Contract Construction	JOBS	1,467	-1.1	1,350	-10.0
Manufacturing	JOBS	517	-6.0	500	0.0
Trans., Comm., Utilities	JOBS	1,467	-3.3	1,450	-3.3
Trade	JOBS	6,817	1.2	6,650	0.8
Retail	JOBS	6,267	1.1	6,100	0.8
Finance, Insur., & Real Estate	JOBS	1,350	-2.4	1,350	0.0
Services & Miscellaneous	JOBS	8,117	-0.2	8,050	3.2
Hotels	JOBS	3,433	2.5	3,400	11.5
Government	JOBS	3,800	-3.0	3,900	-3.7
State	JOBS	2,333	-0.7	2,500	-2.0
Federal	JOBS	400	0.0	400	0.0
AGRICULTURE WAGES AND SALARIES	JOBS	750	-16.7	850	-5.6
AGRICULTURE SELF-EMPLOYED	JOBS	326	-2.1	300	0.0
NON-AGR. SELF-EMPLOYED	JOBS	1,748	-2.9	1,700	-2.9
TRANS. ACCOM. TAX REVENUES 3/ 5/	\$1,000	1,065	-2.3	3,231	43.3
GENERAL EXCISE & USE TAX BASE	\$1,000	212,216	-18.2	703,107	-11.1
Retailing Tax Base	\$1,000	64,612	-27.2	220,868	-17.8
Services Tax Base	\$1,000	33,191	1.5	102,196	-1.4
Contracting Tax Base	\$1,000	18,161	-37.6	68,702	-25.3
Hotel Rental Tax Base	\$1,000	15,677	8.5	48,923	18.9
Producing Tax Base	\$1,000	3,178	-21.6	9,305	-22.3
VISITOR ARRIVALS 4/	PERSONS	253,870	4.2	711,750	4.7
Westbound Visitors	PERSONS	216,170	5.6	630,570	6.9
Eastbound Visitors	PERSONS	37,700	-3.3	81,180	-6.0
HOTEL OCCUPANCY RATES 2/	%	71.0	2.3	70.0	3.5

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.

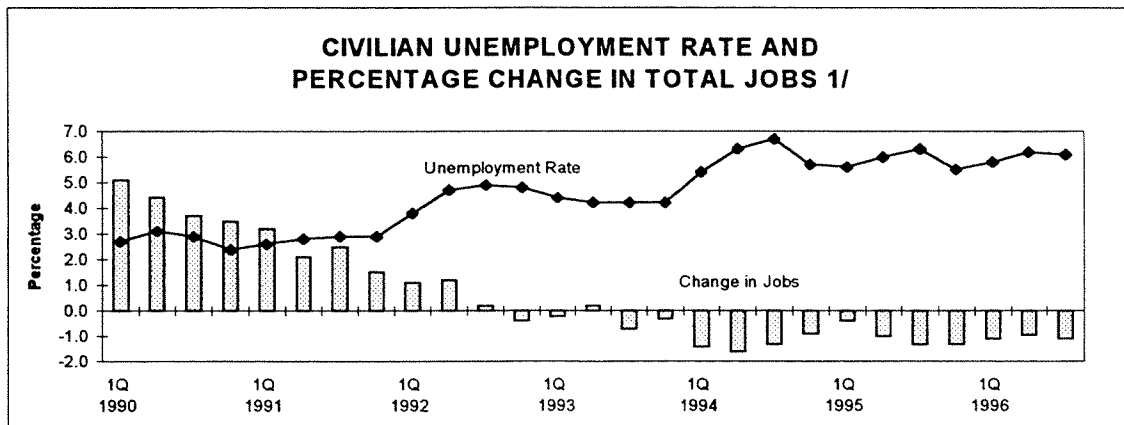


## LABOR FORCE AND JOBS

The contradictory labor market trends reported in the last three issues of this publication continued in the third quarter of 1996. According to the Hawaii Department of Labor and Industrial Relations' (DLIR), the total number of non-agricultural wage and salary jobs declined 1.0 percent from the third quarter of 1995 to the third quarter of 1996, continuing the trend of declining jobs since the fourth quarter of 1992 (table A-6). In contrast, the household survey conducted by the U.S. Census Bureau indicated that the number of civilian employed persons rose 2.1 percent in the third quarter 1996 over the same period the year earlier (table A-2).

Although the number of persons employed increased 2.1 percent in the third quarter, the unemployment rate remains above 6.0 percent because more people have entered the labor force (table A-4). The civilian labor force experienced positive growth in all three quarters of 1996 after nine quarters of continuous decline beginning with the fourth quarter of 1993 (table A-1).

Data on wage and salary jobs by industry indicate that almost all industries experienced job loss in the first three quarters of 1996 except communications, hotels and other services. Communications has shown positive job growth in all three quarters this year after five years of continuous decline (table A-10). Consistent with visitor arrival figures, hotel jobs grew 3.0 percent in the first three quarters of 1996 as compared with the same period in 1995 (table A-16). Services other than hotels, which constitutes almost one-third of total non-agricultural wage and salary jobs in the state, continues to show job growth (table A-15). Agricultural wage and salary jobs showed negative growth in the third quarter after positive growth in the first two quarters (table A-20). Other than agriculture, the major job losers in the third quarter of 1996 were construction and manufacturing which lost 8.8 percent and 3.6 percent of their jobs, respectively, as compared with the same period last year (tables A-7 and A-8).



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).

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	591.2	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	1.9	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	555.0	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	2.1	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	36.3	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	-0.9	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	6.1	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.

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	562.6	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	-1.1	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	520.4	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	-1.0	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	24.2	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	-8.8	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>
<b>In Thousands of Persons</b>					
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	16.5	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
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	-3.6	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	30.4	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	-0.7	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	6.4	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	0.5	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	3.7	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	-1.8	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	112.9	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	-1.5	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	21.3	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	-0.8	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	36.4	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	-1.9	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	165.4	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	0.8	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	39.2	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	3.8	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	30.7	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	-0.5	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	55.1	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	-1.3	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	17.5	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	2.2	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	7.4	7.2	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	6.0	-2.3	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>
<b>In Thousands of Persons</b>					
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	4.0	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
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	1.7	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	31.4	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	-3.0	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>
In Thousands 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	0.0	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Labor and Industrial Relations.



## INCOME AND PRICES

In late September this year, the U.S. Bureau of Economic Analysis (BEA) revised its estimates of Hawaii annual personal income back to 1969. However, revisions on quarterly personal income went back only to the first quarter of 1990. Therefore, quarterly estimates before 1990 are not consistent with their annual estimates. According to BEA, the revision of quarterly personal income from the first quarter of 1969 to the fourth quarter of 1989 will be made available in the second half of 1997.

When BEA released the second quarter estimate of 1996 personal income in early November, they reported a revised first quarter figure. According to the new and revised figures, personal income growth in the second quarter of 1996 remained the same as in the first quarter at 1.8 percent, as compared with the same periods in 1995 (table B-2). This growth rate is lower than that of consumer prices at 2.2 percent in the first half of 1996 (table B-9).

The increase in personal income in the first half of 1996 was mainly due to increases in transfer payments. Transfer payments increased 10.7 and 8.2 percent, respectively, in the first and second quar-

ters of 1996 over the year-earlier quarters (table B-7). The largest component of personal income, wage and salary disbursements, increased only 0.5 percent in the second quarter of 1996 following a zero percent increase in the first quarter (table B-3). Both other labor income and proprietors' income declined in the first half of 1996 relative to the first half of 1995 (tables B-4 and B-5). Dividends, interest, and rent continues to increase at a 2.0 to 3.0 percent rate in the first half of 1996 (table B-6).

By industry, earnings declined between the first half of 1995 and the first half of 1996 in farm (-10.1 percent), construction (-9.3 percent), mining (-7.0 percent), state and local government (-5.2 percent), manufacturing (-1.3 percent), and the federal military (-0.5 percent). Industries that experienced increases in earnings were transportation; communications and utilities (2.5 percent); services (2.9 percent); retail trade (1.6 percent); finance, insurance and real estate (1.4 percent); and wholesale trade (0.6 percent). The increases could not offset the decline in earnings, and therefore, state total earnings declined 0.2 percent in the first half of 1996 as compared with the same period in 1995 (table B-1).

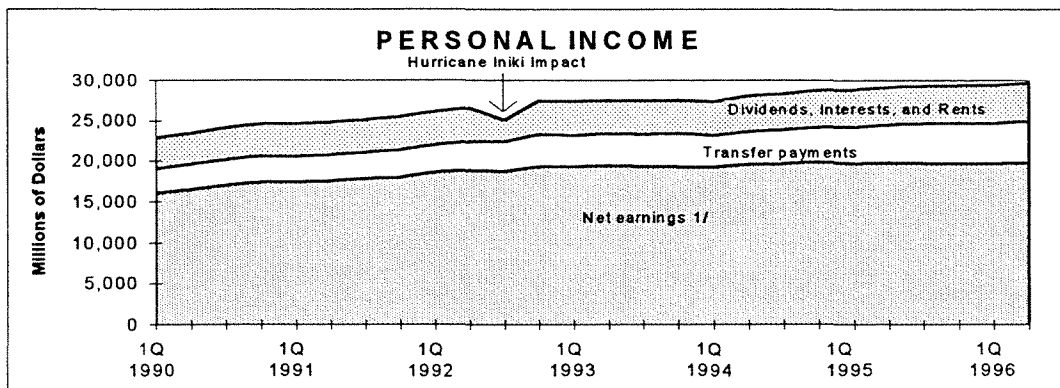


Table B-1  
**PERSONAL INCOME FOR HAWAII BY MAJOR SOURCES**

Series	1995	1st Half 1996	Percentage Change from previous year	
			1995	1st Half 1996
<b>Derivation of Personal Income:</b>				
Wage and salary disbursements	16,770	16,812	0.0	0.2
Plus: Other labor income	1,999	1,969	1.8	-1.4
Plus: Proprietors' income	2,359	2,333	5.1	-2.1
Total earnings	21,128	21,114	0.7	-0.2
Less: Personal contrib. for social insur.	1,380	1,373	1.1	-0.6
Net earnings	19,749	19,742	0.7	-0.1
Plus: Dividends, interest, rent	4,664	4,766	5.9	2.5
Plus: Transfer payments	4,771	5,035	11.2	9.4
Personal income	29,184	29,543	3.1	1.8
<b>Total Earnings by Industry:</b>	21,128	21,114	0.7	-0.2
Farm	161	152	-11.5	-10.1
Nonfarm	20,968	20,962	0.9	-0.1
Private	15,661	15,742	1.4	0.8
Agriculture forestry, fish., other	154	157	3.0	0.6
Mining	22	20	37.0	-7.0
Construction	1,677	1,543	-7.9	-9.3
Manufacturing	798	784	-0.5	-1.3
Transp., comm., utilities	1,715	1,747	2.5	2.5
Wholesale trade	803	810	1.3	0.6
Retail trade	2,654	2,692	3.8	1.6
Finance, insur., real estate	1,591	1,606	0.1	1.4
Services	6,248	6,383	3.4	2.9
Government & govt. enterprises	5,307	5,220	-0.8	-2.7
Federal civilian	1,218	1,232	-2.5	0.1
Federal military	1,508	1,516	-1.6	-0.5
State and local	2,581	2,473	0.4	-5.2

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

Table B-2  
**PERSONAL INCOME**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	10,148	10,126	10,501	10,950	10,514
1981	10,951	11,103	11,390	11,527	11,304
1982	11,563	11,889	12,108	12,171	11,997
1983	12,805	12,905	13,182	13,575	13,207
1984	13,531	13,928	14,132	14,284	14,066
1985	14,547	14,767	15,010	15,317	15,036
1986	15,590	15,841	16,283	16,505	16,106
1987	16,619	16,968	17,338	17,804	17,336
1988	18,298	18,661	19,040	19,696	19,195
1989	20,223	20,723	21,180	21,701	21,048
1990	22,801	23,438	24,123	24,603	23,741
1991	24,567	24,785	25,116	25,518	24,996
1992	26,121	26,573	25,059	27,489	26,311
1993	27,400	27,584	27,477	27,559	27,505
1994	27,546	28,235	28,520	28,916	28,304
1995	28,866	29,175	29,284	29,411	29,184
1996	29,398	29,687	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	7.5
1982	5.6	7.1	6.3	5.6	6.1
1983	10.7	8.5	8.9	11.5	10.1
1984	5.7	7.9	7.2	5.2	6.5
1985	7.5	6.0	6.2	7.2	6.9
1986	7.2	7.3	8.5	7.8	7.1
1987	6.6	7.1	6.5	7.9	7.6
1988	10.1	10.0	9.8	10.6	10.7
1989	10.5	11.0	11.2	10.2	9.7
1990	(X)	(X)	(X)	(X)	12.8
1991	7.7	5.7	4.1	3.7	5.3
1992	6.3	7.2	-0.2	7.7	5.3
1993	4.9	3.8	9.6	0.3	4.5
1994	0.5	2.4	3.8	4.9	2.9
1995	4.8	3.3	2.7	1.7	3.1
1996	1.8	1.8	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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

Table B-3  
TOTAL WAGE AND SALARIES

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	6,530	6,562	6,693	6,920	6,697
1981	7,029	7,141	7,218	7,357	7,187
1982	7,411	7,537	7,700	7,836	7,610
1983	8,008	8,078	8,079	8,320	8,114
1984	8,399	8,614	8,654	8,711	8,632
1985	8,940	9,077	9,224	9,397	9,215
1986	9,486	9,600	9,812	10,070	9,821
1987	10,262	10,520	10,794	11,119	10,771
1988	11,433	11,604	11,774	12,190	11,837
1989	12,467	12,820	13,176	13,527	13,083
1990	13,917	14,348	14,730	15,099	14,524
1991	15,152	15,249	15,495	15,694	15,398
1992	16,160	16,351	16,430	16,722	16,416
1993	16,604	16,811	16,610	16,526	16,638
1994	16,684	16,750	16,731	16,888	16,763
1995	16,723	16,821	16,795	16,741	16,770
1996	16,716	16,908	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	7.3
1982	5.4	5.5	6.7	6.5	5.9
1983	8.1	7.2	4.9	6.2	6.6
1984	4.9	6.6	7.1	4.7	6.4
1985	6.4	5.4	6.6	7.9	6.7
1986	6.1	5.8	6.4	7.2	6.6
1987	8.2	9.6	10.0	10.4	9.7
1988	11.4	10.3	9.1	9.6	9.9
1989	9.0	10.5	11.9	11.0	10.5
1990	(X)	(X)	(X)	(X)	11.0
1991	8.9	6.3	5.2	3.9	6.0
1992	6.7	7.2	6.0	6.6	6.6
1993	2.7	2.8	1.1	-1.2	1.4
1994	0.5	-0.4	0.7	2.2	0.8
1995	0.2	0.4	0.4	-0.9	0.0
1996	0.0	0.5	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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

Table B-4  
OTHER LABOR INCOME

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	500	520	539	547	529
1981	566	574	578	590	579
1982	607	631	657	680	647
1983	691	693	699	729	718
1984	744	773	776	777	794
1985	777	775	781	791	838
1986	817	850	888	925	940
1987	895	911	925	956	1,016
1988	985	994	1,019	1,064	1,091
1989	1,095	1,139	1,182	1,216	1,245
1990	1,367	1,420	1,477	1,540	1,451
1991	1,566	1,610	1,661	1,690	1,632
1992	1,740	1,755	1,781	1,793	1,767
1993	1,892	1,898	1,893	1,871	1,889
1994	1,961	1,946	1,969	1,981	1,964
1995	1,986	2,007	2,007	1,998	1,999
1996	1,967	1,971	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	9.4
1982	7.2	9.9	13.7	15.3	11.7
1983	13.8	9.8	6.4	7.2	11.1
1984	7.7	11.5	11.0	6.6	10.5
1985	4.4	0.3	0.6	1.8	5.6
1986	5.1	9.7	13.7	16.9	12.1
1987	9.5	7.2	4.2	3.4	8.1
1988	10.1	9.1	10.2	11.3	7.4
1989	11.2	14.6	16.0	14.3	14.2
1990	(X)	(X)	(X)	(X)	16.5
1991	14.6	13.4	12.5	9.7	12.5
1992	11.1	9.0	7.2	6.1	8.3
1993	8.7	8.1	6.3	4.4	6.9
1994	3.6	2.5	4.0	5.9	4.0
1995	1.3	3.1	1.9	0.9	1.8
1996	-1.0	-1.8	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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

Table B-5  
**PROPRIETORS' INCOME**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	917	829	921	1,013	887
1981	783	722	736	715	685
1982	691	833	834	866	753
1983	1,014	942	1,127	1,179	1,006
1984	998	1,096	1,157	1,181	953
1985	1,174	1,210	1,258	1,344	1,054
1986	1,399	1,421	1,596	1,543	1,136
1987	1,550	1,579	1,620	1,665	1,247
1988	1,768	1,900	1,986	2,094	1,648
1989	2,148	2,221	2,228	2,205	1,596
1990	1,798	1,804	1,935	1,899	1,859
1991	1,859	1,917	1,897	1,858	1,883
1992	1,998	2,029	1,782	2,115	1,981
1993	2,176	2,110	2,128	2,198	2,153
1994	1,921	2,279	2,358	2,420	2,244
1995	2,386	2,380	2,355	2,316	2,359
1996	2,321	2,344	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	-22.8
1982	-11.7	15.4	13.3	21.1	9.9
1983	46.7	13.1	35.1	36.1	33.6
1984	-1.6	16.3	2.7	0.2	-5.2
1985	17.6	10.4	8.7	13.8	10.6
1986	19.2	17.4	26.9	14.8	7.7
1987	10.8	11.1	1.5	7.9	9.8
1988	14.1	20.3	22.6	25.8	32.1
1989	21.5	16.9	12.2	5.3	-3.2
1990	(X)	(X)	(X)	(X)	16.5
1991	3.4	6.3	-2.0	-2.2	1.3
1992	7.5	5.8	-6.1	13.8	5.2
1993	8.9	4.0	19.4	3.9	8.7
1994	-11.7	8.0	10.8	10.1	4.2
1995	24.2	4.4	-0.1	-4.3	5.1
1996	-2.7	-1.5	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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

Table B-6  
**DIVIDENDS, INTEREST, AND RENT**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	1,417	1,411	1,413	1,505	1,549
1981	1,608	1,678	1,785	1,793	1,849
1982	1,787	1,801	1,781	1,589	1,883
1983	1,869	1,917	1,981	2,042	2,125
1984	2,094	2,154	2,243	2,285	2,413
1985	2,302	2,330	2,343	2,377	2,579
1986	2,441	2,500	2,501	2,220	2,760
1987	2,450	2,467	2,501	2,563	2,838
1988	2,591	2,636	2,728	2,819	3,112
1989	2,919	2,980	2,973	3,033	3,522
1990	3,804	3,877	3,974	4,016	3,918
1991	4,049	4,056	4,075	4,153	4,084
1992	4,166	4,212	2,645	4,184	3,802
1993	4,236	4,189	4,142	4,123	4,172
1994	4,190	4,404	4,494	4,532	4,405
1995	4,629	4,668	4,647	4,712	4,664
1996	4,757	4,775	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	19.3
1982	11.1	7.3	-0.2	-11.4	1.8
1983	4.6	6.4	11.2	28.5	12.9
1984	12.0	12.4	13.2	11.9	13.5
1985	9.9	8.2	4.5	4.0	6.9
1986	6.0	7.3	6.7	-6.6	7.0
1987	0.4	-1.3	0.0	15.5	2.8
1988	5.8	6.9	9.1	10.0	9.7
1989	12.7	13.1	9.0	7.6	13.2
1990	(X)	(X)	(X)	(X)	11.2
1991	6.4	4.6	2.5	3.4	4.2
1992	2.9	3.8	-35.1	0.7	-6.9
1993	1.7	-0.5	56.6	-1.5	9.7
1994	-1.1	5.1	8.5	9.9	5.6
1995	10.5	6.0	3.4	4.0	5.9
1996	2.8	2.3	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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

Table B-7  
**TRANSFER PAYMENTS**

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	1,215	1,233	1,370	1,410	1,304
1981	1,457	1,486	1,578	1,588	1,519
1982	1,605	1,637	1,699	1,767	1,670
1983	1,805	1,850	1,864	1,886	1,847
1984	1,902	1,913	1,924	1,950	1,920
1985	2,019	2,039	2,073	2,084	2,049
1986	2,145	2,178	2,208	2,220	2,189
1987	2,201	2,244	2,266	2,287	2,264
1988	2,373	2,390	2,409	2,434	2,420
1989	2,509	2,539	2,618	2,731	2,633
1990	3,019	3,115	3,167	3,235	3,134
1991	3,160	3,171	3,221	3,367	3,230
1992	3,349	3,526	3,725	3,968	3,642
1993	3,823	3,918	4,025	4,139	3,976
1994	3,961	4,041	4,161	4,300	4,292
1995	4,519	4,684	4,864	5,018	4,771
1996	5,004	5,066	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	16.5
1982	10.2	10.2	7.7	11.3	10.0
1983	12.5	13.0	9.7	6.7	10.6
1984	5.4	3.4	3.2	3.4	4.0
1985	6.2	6.6	7.7	6.9	6.7
1986	6.2	6.8	6.5	6.5	6.8
1987	2.6	3.0	2.6	3.0	3.4
1988	7.8	6.5	6.3	6.4	6.9
1989	5.7	6.2	8.7	12.2	8.8
1990	(X)	(X)	(X)	(X)	19.0
1991	4.7	1.8	1.7	4.1	3.0
1992	6.0	11.2	15.6	17.8	12.8
1993	14.2	11.1	8.1	4.3	9.2
1994	3.6	3.1	3.4	3.9	7.9
1995	14.1	15.9	16.9	16.7	11.2
1996	10.7	8.2	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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



Table B-8

## CONTRIBUTION TO SOCIAL INSURANCE

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual 1/
In Millions of Dollars					
1980	431	429	435	445	452
1981	491	497	504	516	514
1982	538	551	563	567	565
1983	582	576	568	581	604
1984	605	622	622	618	647
1985	664	665	668	676	700
1986	699	707	721	736	739
1987	740	753	768	785	800
1988	852	864	875	905	913
1989	951	976	996	1,011	1,031
1990	1,105	1,126	1,160	1,185	1,144
1991	1,219	1,218	1,234	1,244	1,229
1992	1,292	1,301	1,304	1,293	1,298
1993	1,331	1,341	1,321	1,298	1,323
1994	1,364	1,363	1,362	1,372	1,365
1995	1,376	1,385	1,383	1,373	1,380
1996	1,367	1,378	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	13.7
1982	9.6	10.9	11.7	9.9	9.9
1983	8.2	4.5	0.9	2.5	6.8
1984	4.0	8.0	9.5	6.4	7.2
1985	9.8	6.9	7.4	9.4	8.2
1986	5.3	6.3	7.9	8.9	5.6
1987	5.9	6.5	6.5	6.7	8.3
1988	15.1	14.7	13.9	15.3	14.2
1989	11.6	13.0	13.8	11.7	12.9
1990	(X)	(X)	(X)	(X)	10.9
1991	10.3	8.2	6.4	5.0	7.4
1992	6.0	6.8	5.7	3.9	5.6
1993	3.0	3.1	1.3	0.4	1.9
1994	2.5	1.6	3.1	5.7	3.2
1995	0.9	1.6	1.5	0.1	1.1
1996	-0.7	-0.5	n/a	n/a	n/a

Note: Quarterly estimates from 1st quarter 1990 to 4th quarter 1995 are consistent with the annual revisions.

Quarterly estimates prior to 1990 are not consistent with the annual revisions, these quarterly estimates will be revised by BEA at second half of 1997.

n/a = not available.

(X) = not applicable.

1/ Revised by BEA in September 1996.

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.

## TAX BASE AND REVENUES

State general fund tax revenues increased 4.7 percent from the third quarter of 1995 to the third quarter of 1996, following 15.6 percent growth in the second quarter (table C-2). As noted in the September 1996 issue of the *Quarterly Statistical & Economic Report*, the high second quarter growth reflected both economic improvement and changes in the tax rules. The more moderate third quarter growth rate better reflects economic conditions in the state.

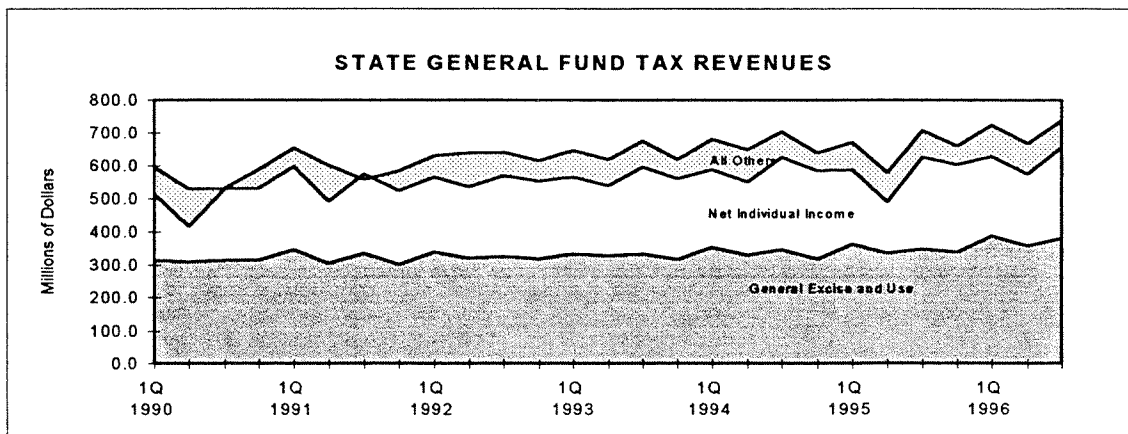
The largest source of general fund tax revenues, general excise and use tax collections, increased 8.9 percent in the third quarter of 1996 over the third quarter of 1995. This is the largest year-to-year growth since the first quarter of 1991. Some of this growth may be due to the move to electronic filing. The general excise use tax base rose only 3.6 percent from the third quarter of 1995 to the third quarter of 1996 (table C-7). Sales consist of sales to visitors and sales to local residents.

The visitor industry appears to be leading economic activity in the state. The hotel rental tax base increased 20.7

percent in the third quarter of 1996 from the same quarter a year earlier, and transient accommodation tax revenues also gained 21.8 percent over the same period (tables C-11 and C-6).

Net individual income tax revenues declined 0.1 percent in the third quarter of 1996 as compared with the year-earlier figure after an increase of 41.1 percent in the second quarter (table C-4). The increase of 41.1 percent individual income tax in the second quarter was mainly due to lower refunds for 1995 caused by elimination of the excise tax credit and the general medical credit, and a reduction by half of the food tax credit. The income tax revenue decline in the third quarter reflects the sluggish job market and relatively low income growth (see discussion on p. 11 and p. 35).

Net corporate income tax revenues fell 17.6 percent in the third quarter of 1996 relative to the year earlier following a 43.0 percent increase in the second quarter (table C-5). As pointed out in the previous issue of this report, net corporate tax revenues are particularly volatile.



Source: Research and Economic Analysis Division, DBEDT.

Table C-1

## GENERAL FUND TAX REVENUES AND MAJOR COMPONENTS

Year	<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
	3 Qtr.	379,032	276,895	9,908	738,963
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
	3 Qtr.	8.9	-0.1	-17.6	4.7

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>
<b>In Millions of Dollars</b>					
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	739.0	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
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	4.7	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	1096.5
1990	313.1	308.6	314.3	314.2	1250.2
1991	346.0	304.2	335.7	301.9	1287.8
1992	338.3	318.8	325.3	317.3	1299.8
1993	332.7	327.5	332.7	315.9	1308.8
1994	353.4	330.3	345.8	318.5	1347.9
1995	363.1	335.9	348.0	339.6	1386.7
1996	386.7	357.4	379.0	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	8.9	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	276.9	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	-0.1	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	9.9	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 1/	-39.4
1993	-62.5	-15.7	21.1	549.9 1/	-48.0
1994	59.9	96.0	-32.4	3.5 1/	53.9
1995	23.1	-24.4	31.7	-36.2 1/	9.1
1996	20.1	43.0	-17.6	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 ACCOMODATION 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					
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	32.4	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	21.8	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	11,864	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	3.6	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	1,606.0	1,713.0	1,750.0	1,631.0	6,700.0
1982	1,710.0	1,751.0	1,813.0	1,601.0	6,875.0
1983	1,948.0	1,886.0	1,830.0	1,774.0	7,438.0
1984	2,034.0	2,047.0	1,982.0	2,048.0	8,111.0
1985	2,148.0	2,102.0	2,137.0	2,112.0	8,499.0
1986	2,371.0	2,337.0	2,330.0	2,202.0	9,240.0
1987	2,393.0	2,277.0	2,374.0	2,405.0	9,449.0
1988	2,654.0	2,613.0	2,573.0	2,545.0	10,385.0
1989	3,017.0	2,814.0	2,884.0	2,893.0	11,608.0
1990	3,320.0	3,123.0	3,169.0	3,214.0	12,826.0
1991	3,659.0	3,068.0	3,525.0	3,146.0	13,398.0
1992	3,668.0	3,282.0	3,484.0	3,411.0	13,845.0
1993	3,617.0	3,395.0	3,594.0	3,370.0	13,976.0
1994	3,848.0	3,527.0	3,697.0	3,496.0	14,568.0
1995	3,932.0	3,576.0	3,846.0	3,697.0	15,051.0
1996	4,206.0	3,757.0	3,948.0	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	2.7	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	1,438.7	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	7.2	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.

Table C-10  
**CONTRACTING TAX BASE**

Year	<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	812.1	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	8.1	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>
<b>In Millions of Dollars</b>					
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	524.3	n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
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	20.7	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	106.3	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	-11.4	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	104.3	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	-4.5	n/a	n/a

Note: n/a = not available.

Source: Hawaii State Department of Taxation.



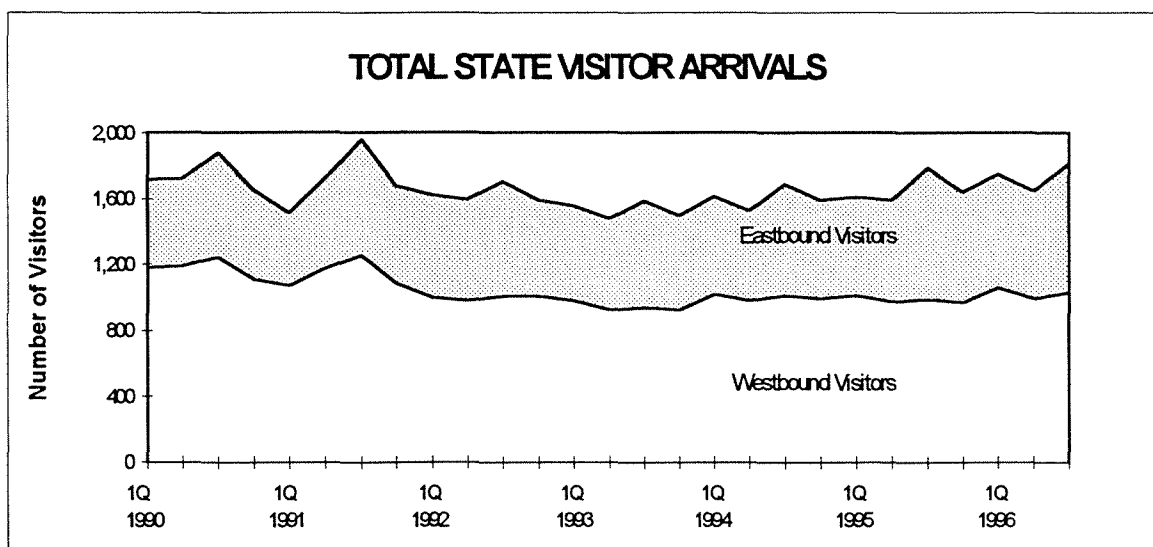
## TOURISM

Data from the Hawaii Visitors and Convention Bureau show that visitor growth has slowed in the third quarter of 1996 to 2.3 percent from the third quarter of 1995. Approximately 1.8 million visitors came to Hawaii in the quarter (table D-1). Over the same period, eastbound visitor arrivals increased only 0.1 percent while westbound visitors increased 4.1 percent over the third quarter of 1995 (table D-1). This reversed the trend of the first and second quarters when eastbound visitor growth exceeded westbound visitor growth.

Hotel occupancy rates declined in the third quarter of 1996 as compared with the same period in 1995 after four quarters of year-over-year increases (table D-7). Because of shorter average lengths of stay, the growth rate in the average daily visitor census in the third quarter of 1996 was down 2.1 percent (table D-6).

However tax data tell a more positive story. Data from the Department of Taxation show that both the hotel room rental tax base and transit accommodation tax collection increased by more than 20.0 percent in the third quarter of 1996 over the year earlier (tables C-11 and C-6). The increase in hotel-related taxes was partially due to an increase in hotel room rates and partly due to lags in tax collection.

DBEDT expects the number of visitors in the fourth quarter of 1996 will continue to grow at the rate of 2.3 percent experienced in the third quarter. The total number of visitor arrivals for 1996 should reach 6.9 million. If accurate, this level would be close to the peak achieved in 1990, and it would mark the third consecutive year of positive growth in the number of visitor arrivals to Hawaii after three years of decline in the years 1991 to 1993.



Source: Research and Economic Analysis Division, DBEDT.

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
3 Qtr.	1,025,810	788,370	1,814,180	110,463	48,760	159,223
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/ 1 Qtr.	4.4	18.2	9.5	1.9	10.5	4.1
2 Qtr.	2.1	7.4	4.1	0.7	2.3	1.1
3 Qtr.	4.1	0.1	2.3	0.3	-7.0	-2.1

1/ 1996 figures are preliminary, therefore the growth rates were computed based on the 1995 preliminary (rather than the final) figures. These percentage growth rates differ from the percentage growth rates shown in tables D-2 and D-4 which are based on the final 1995 figures.

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	1,814.2	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	5.7	2.8	3.1
1996	8.9	3.6	1.4	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	1,025.8	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	4.1	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	788.4	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	-1.9	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	147.2	162.6	156.1	158.4
1996	174.7	148.9	159.2	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	106.8	110.1	114.6	114.3
1996	128.3	107.5	110.5	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	48.8	n/a	n/a

Note: n/a = not available.

Source: Hawaii Visitors and Convention Bureau.

Table D-6

**AVERAGE DAILY VISITOR CENSUS**

(percentage change from the same period in previous year)

<i>Year</i>	<i>First Quarter</i>	<i>Second Quarter</i>	<i>Third Quarter</i>	<i>Fourth Quarter</i>	<i>Annual</i>
<b>Total Daily Visitors</b>					
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	2.6	3.3	-3.3	-0.5
1996	4.1	1.1	-2.1	n/a	n/a
<b>Average Daily Westbound Visitors</b>					
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	0.5	0.4	-2.5	-0.8
1996	1.9	0.7	0.3	n/a	n/a
<b>Average Daily Eastbound Visitors</b>					
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	-7.0	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	72.6	80.4	75.4	77.2
1996	82.1	72.5	78.5	n/a	n/a

Note: n/a = not available.

Source: PKF Hawaii.



# CONSTRUCTION

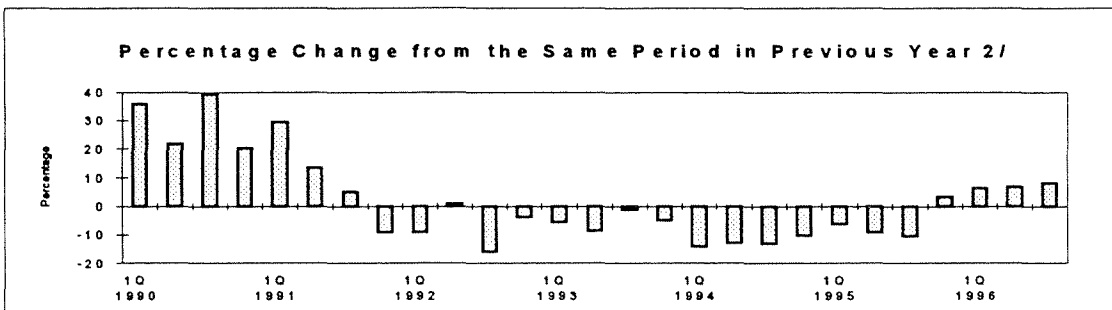
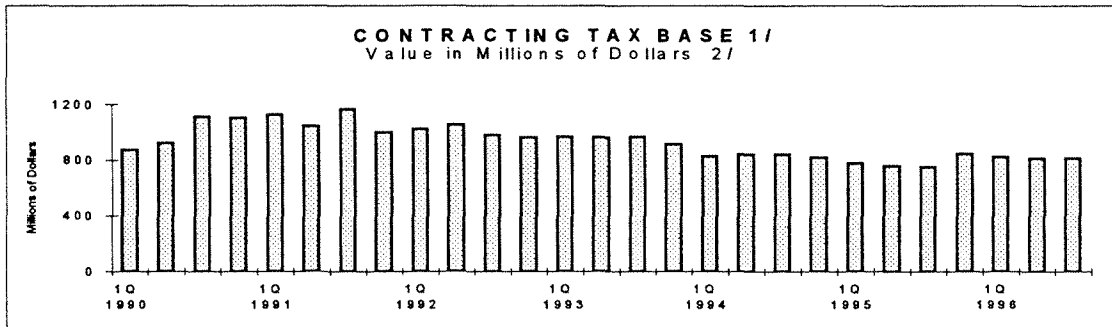
The value of construction completed slowed in the third quarter of 1996. It declined 0.2 percent in the third quarter of 1996 following an increase of 6.0 percent and 9.0 percent in the first and second quarters, respectively, all relative to previous-year periods (table E-2). In the first nine months of 1996, the value of construction completed increased 4.8 percent over the same period in 1995.

Although construction output rose, the number of wage and salary jobs in the industry declined 7.6 percent from the first nine months of 1995 to the first nine months of 1996 (table 1). These apparently contradictory trends may indicate that either the number of proprietors in the industry grew or the construction industry is in a period of transition.

The value of private building authorizations, an indicator of future construction, continued to decline in the third

quarter of 1996. As a result, the value of private building authorizations for the first nine months registered growth of -32.0 percent as compared with the same period in 1995 (table E-2). Government contracts awarded increased about three-fold in the third quarter of 1996 from the same quarter in 1995 (table E-2). The major components of this increase include a federal Navy housing project for the 1996-97 fiscal year, state H-3 construction, and construction of Kapolei Elementary School on Oahu, and Kekaulike High School on Maui.

Construction costs for a single-family residence have been increasing since the first quarter of 1996 with a jump in the third quarter as compared with the same period in 1995 (table E-5). The major causes of increases in construction costs are wage rate increases of unionized workers and an increase in lumber prices.



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.

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	1,532.7	745.5	368.3	417.5	490.2
1996 1Qtr.	803.0	280.5	118.3	78.4	83.7	162.5
2 Qtr.	824.1	268.2	99.2	25.0	106.4	78.0
3 Qtr.	809.9	321.0 3/	160.2 3/	55.9 3/	104.8 3/	314.0

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 up to the month of July only.

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	-5.0	-12.2	-0.5	6.1	-29.3
1996 1Qtr.	6.0	-33.6	-47.0	-23.6	-13.3	8.8
2 Qtr.	9.0	-26.1	-35.9	-61.9	-25.2	-29.3
3 Qtr.	-0.2	-10.2	3/ -23.6	3/ -1.8	3/ 15.5	3/ 198.4

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 for the month of July only, percentage change was calculated by subtracting Maui figure from the 1995 first quarter.

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	1,180	778	3,892
1996	756	630	752 1/	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	-17.3	-36.5	-14.9
1996	-5.0	-44.6	-32.4 1/	n/a	n/a

Notes: n/a = not available.

1/ Maui county data for the month of July only.

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	469	1/ n/a	n/a
<b>Percentage Change from the Same Period in Previous Year</b>					
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	-42.1	1/ n/a	n/a

Notes: n/a = not available.

1/ Maui county data for the month of July only.

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

Table E-5

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, SINGLE FAMILY RESIDENCE (Jan. 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	122.5	128.8	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	4.0	8.9	n/a	n/a

Note: n/a = not available.

Source: First Hawaiian Bank

Table E-6

**HONOLULU CONSTRUCTION COST INDEX:  
1980-1995, HIGH-RISE BUILDING (Jan. 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	116.8	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	2.2	n/a	n/a

Note: n/a = not available.

Source: First Hawaiian Bank

Table E-7  
**ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION  
 AUTHORIZATIONS, BY COUNTY: 1980 TO 1996**

Year	State	City & County of Honolulu	Hawaii County	Kauai County	Maui County
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	1,532,732	980,757	267,108	80,279	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.	380,104	285,052	43,702	19,451	31,900
4 Qtr.	254,562	150,654	55,147	24,716	24,045
1996 1 Qtr.	280,480	193,018	27,283	23,487	36,691
2 Qtr.	268,220	146,189	65,975	23,486	32,570
3 Qtr.	320,950 1/	228,620	36,385	39,484	16,462 1/

Notes: n/a = not available.

1/ Maui County data for the month of July only.

Source: County building permits.



Table E-7 (con.)

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

Year	State	City & County of Honolulu	Hawaii County	Kauai County	Maui County
Percentage Change From The Same Period in Previous Year					
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	-5.0	-8.6	47.5	-51.3	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.	-35.8	-42.3	-3.8	-34.7	-40.4
1996 1 Qtr	-33.6	-29.1	-73.1	82.7	2.3
2 Qtr.	-43.6	-46.4	-1.2	1.0	-71.1
3 Qtr.	-10.2	1/	-19.8	103.0	78.5

Notes: n/a = not available.

1/ Maui County data for the month of July only.

Source: County building permits.

Table E-8

**STATE GOVERNMENT CAPITAL IMPROVEMENT PROJECT EXPENDITURES:  
1986 to 1996**

<i>Year</i>	<i>Total Expenditures</i>	<i>General Obligation Bond 1/</i>	<i>Revenue Bond 2/</i>	<i>General Fund (Cash)</i>	<i>Special Fund</i>	<i>Federal Fund 3/</i>
<i>In Thousands of Dollars</i>						
1986	n/a	159,320	92,491	n/a	n/a	n/a
1987	n/a	169,979	89,342	n/a	n/a	n/a
1988	n/a	150,460	60,572	n/a	n/a	n/a
1989	n/a	210,757	127,083	n/a	n/a	n/a
1990	995,163	248,379	368,502	133,529	79,998	164,755
1991	1,027,189	210,022	326,414	121,108	164,915	204,730
1992	1,323,450	331,720	512,432	138,867	124,605	215,826
1993	1,188,315	472,515	225,431	89,917	147,351	253,101
1994	1,214,487	492,048	327,980	56,662	135,440	202,357
1995	822,327	342,423	77,560	19,672	169,901	212,772
1996 1 Qtr	137,754	38,512	27,497	1,592	30,358	39,794
2 Qtr.	245,839	133,694	16,626	2,480	40,695	52,345
3 Qtr.	176,195	54,642	10,163	1,915	54,990	54,485
<i>Percentage Change From Corresponding Period in Previous Year</i>						
1987	n/a	6.7	-3.4	n/a	n/a	n/a
1988	n/a	-11.5	-32.2	n/a	n/a	n/a
1989	n/a	40.1	109.8	n/a	n/a	n/a
1990	n/a	17.9	190.0	n/a	n/a	n/a
1991	3.2	-15.4	-11.4	-9.3	106.1	24.3
1992	28.8	57.9	57.0	14.7	-24.4	5.4
1993	-10.2	42.4	-56.0	-35.2	18.3	17.3
1994	2.2	4.1	45.5	-37.0	-8.1	-20.0
1995	-32.3	-30.4	-76.4	-65.3	25.4	5.1
1996 1 Qtr	-21.2	-41.0	139.8	-73.6	-28.5	-19.9
2 Qtr.	-15.9	-20.1	-4.5	-58.9	6.6	-17.4
3 Qtr.	5.2	11.1	-38.9	-55.3	17.7	7.4

Notes: This table is not directly comparable to Contracts Awarded data in Table E-1.

n/a = not available.

1/ Consists of general obligation bonds and reimbursable general obligation bonds.

2/ Consists of revenue bonds and special purpose revenue bonds.

3/ Includes special federal aid interstate; special federal aid primary; special federal aid secondary and federal funds.

Source: Department of Accounting and General Services, Report 300S.

## 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.

**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.