# W2200.6 LI13 2002/10

**O**CTOBER 2002

## INDICATORS

Texas Unem	ployment Rate	
Sentember	2002	6 2%
August	2002	6 20/
August	2002	0.370
September	2001	5.2%
Seasonally A	djusted	
September	2002	6.1%
August	2002	6.1%
September	2001	5.1%
U.S. Unemp	oyment Rate	
Actual Serie	S	
September	2002	5.4%
August	2002	5.7%
September	2001	4.7%
Seasonally A	djusted	
September	2002	5.6%
August	2002	5.7%
Sentember	2001	5.0%
September		51070

## Texas Nonagricultural Wage

or Salary Employment	
Actual Series	9,446,370
OTM Change	45,633
OTY Change	-66,412
Seasonally Adjusted	9,425,000
OTM Change	1,900
OTY Change	-76,600
Intra Lands Top	

Unempioyin	cint Denemits	
September	2002	88,175
August	2002	89,469
September	2001	76,310

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## Texas Nonagricultural Wage and Salary Employment ublic Library (Seasonally Adjusted)

otal Nonagricultural Employment in Texas edged up by 1,900 positions in September, its second consecutive over-the-month increase. Employment in Government and Services showed the largest increases over the month, while Manufacturing and Mining experienced the biggest employment declines. The annual growth rate for Total Nonagricultural Employment improved for the second straight month, climbing from -1.0 percent in August to -0.8 percent in September.

Government employment posted a gain of 4,300 jobs over the month. Due in part to the transition of airline security screeners from the private sector to federal payrolls, Federal Government employment grew by 2,300 jobs. Local Government employment increased by 2,600 jobs, while State Government employment fell by 600 positions. The annual growth rate for Government remained at 2.3 percent in September with an over-the-year gain of 36,300 jobs.

The Mining industry suffered its largest over-the-month loss in three years as employment dropped by 2,100 positions. A contributing factor to this substantial decrease was the disruption of mining operations on the Gulf Coast due to recent hurricane activity. The annual growth rate dropped to -5.0 percent, its lowest level since December 1999. A total of 6,300 jobs have been lost in this industry since January 2002.

Following an increase of 5,900 jobs in August, the Services industry experienced an increase of 1,900 employees in September. Membership Organizations, Health Services, and Social Services posted the largest growth within the industry, while Educational Services displayed the biggest drop. The annual growth rate for Services improved to 0.1 percent, the first positive overthe-year change registered in the industry since August 2001.

Employment in Manufacturing continued a string of over-the-month losses that began in December 2000 with a 3,000-job decline in September. Manufacturing employment has dropped by 41,400 jobs over the year, for an annual growth rate of -4.0 percent.

Finance, Insurance, and Real Estate (FIRE) employment increased by 600 jobs in September. Depository Institutions, Nondepository Institutions, and Real Estate industries each experienced a growth of 300 positions, while Insurance Carriers and Insurance Agents employment exhibited small decreases. FIRE employment has contracted by 5,500 jobs since September 2001.

## Metropolitan Statistical Area (MSA) Employment (Non-Seasonally Adjusted)

or the month of September, Total Nonagricultural F Employment grew by 32,900 jobs throughout the MSAs. This over-the-month job growth was below the average September gain of 54,300 over the past ten years. The largest employment gains were seen in the Houston and the Bryan-College Station MSAs, which accounted for 32 percent of the total growth.

Throughout the MSAs, Local Government added 43,000 jobs over the month of September. This increase can be attributed to school staff returning for the 2002-2003 school year. Although significant, the over-the-month gain was the smallest September increase recorded since 1997. The Houston MSA produced the largest monthly growth by adding 10,800 jobs. The Dallas and San Antonio MSAs posted the second and third highest overthe-month gains with the addition of 5,800 and 5,100 jobs, respectively.

The Construction industry within the MSAs experienced a loss of 3,900 jobs, a drop slightly larger than the average September decrease over the previous ten years. The Houston MSA, as a result of inclement weather, accounted for 41 percent of the drop. The Fort Worth-Arlington and Austin-San Marcos MSAs combined for another 38.5 percent of the total job reductions.

Seasonal factors drove the losses seen in Retail Trade. The Houston, Dallas, and Fort Worth-Arlington MSAs led the decline with drops of 2,100 jobs (32.8 percent), 1,000 jobs (15.6 percent), and 1,300 jobs (20.3 percent), respectively. The primary cause for these contractions was centered on a reduction in summer help for Eating and Drinking Establishments.



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## TEXAS AND U.S. CIVILIAN LABOR FORCE ESTIMATES

		TEXAS*			UNITED STATES**						
Actual	CLF	Employment	Unemp.	Rate	CLF	Employment	Unemp.	Rate			
September '02	10,744,000	10,081,600	662,400	6.2	142,745,000	135,063,000	7,683,000	5.4			
August '02	10,749,200	10,070,900	678,300	6.3	143,176,000	135,028,000	8,148,000	5.7			
September '01	10,494,300	9,950,000	544,300	5.2	141,576,000	134,868,000	6,708,000	4.7			
Seas. Adjusted	CLF	Employment	Unemp.	Rate	CLF	Employment	Unemp.	Rate			
September '02	10,738,100	10,081,600	656,500	6.1	143,277,000	135,185,000	8,092,000	5.6			
August '02	10,698,700	10,040,800	657,900	6.1	142,616,000	134,474,000	8,142,000	5.7			
September '01	10,488,400	9,950,700	537,700	5.1	142,068,000	135,004,000	7,064,000	5.0			

Note: Only the actual series estimates for Texas and the U.S. are comparable to sub-state estimates. Current month estimates for Texas are preliminary. All estimates are subject to revision. In seasonally adjusted estimates all elements of seasonality are factored out to achieve an estimate which reflects the basic underlying trend.

\*Source - Labor Market Information Department, Texas Workforce Commission (model-based methodology)

\*\*Source - Bureau of Labor Statistics, U.S. Department of Labor (Current Population Survey)

## TEXAS NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT SEASONALLY ADJUSTED<sup>+</sup>

				Aug. '02 to	Sep. '02	Sep. '01 to Sep. '02		
INDUSTRY TITLE	Sep. 2002*	Aug. 2002	Sep. 2001	Absolute	Percent	Absolute	Percent	
				Change	Change	Change	Change	
TOTAL NONAG. W&S EMPLOYMENT	9,425,000	9,423,100	9,501,600	1,900	0.0	-76,600	-0.8	
GOODS PRODUCING	1,714,000	1,718,800	1,769,100	-4,800	-0.3	-55,100	-3.1	
Mining	156,100	158,200	164,300	-2,100	-1.3	-8,200	-5.0	
Construction	558,500	558,200	564,000	300	0.1	-5,500	-1.0	
Manufacturing	999,400	1,002,400	1,040,800	-3,000	-0.3	-41,400	-4.0	
Durable Goods	605,600	607,500	634,000	-1,900	-0.3	-28,400	-4.5	
Nondurable Goods	393,800	394,900	406,800	-1,100	-0.3	-13,000	-3.2	
SERVICE PRODUCING	7,711,000	7,704,300	7,732,500	6,700	0.1	-21,500	-0.3	
Transportation, Comm., Utilities	573,600	573,200	596,500	400	0.1	-22,900	-3.8	
Trade	2,238,100	2,238,600	2,269,500	-500	0.0	-31,400	-1.4	
Wholesale Trade	521,500	521,300	530,400	200	0.0	-8,900	-1.7	
Retail Trade	1,716,600	1,717,300	1,739,100	-700	0.0	-22,500	-1.3	
Finance, Insurance, & Real Estate	529,700	529,100	535,200	600	0.1	-5,500	-1.0	
Services	2,743,000	2,741,100	2,741,000	1,900	0.1	2,000	0.1	
Government	1,626,600	1,622,300	1,590,300	4,300	0.3	36,300	2.3	

Note: The number of nonagricultural jobs in Texas is without reference to place of residence of workers.

\*Estimates for the current month are preliminary. All estimates are subject to revision.

\*All elements of seasonality are factored out to achieve an estimate which reflects the basic underlying trend.

The Goods Producing Sector and Wholesale Trade estimates are probability-based. (See text box on page 9 for more information)

## The Texas Landscape: A Snapshot from the 2000 Census

by Bryce Bayles, Robert Crawley and David Mass

The Census Bureau released detailed demographic information for Texas in September 2002. This data was compiled from people who completed the Census 2000 long form questionnaire. A vast amount of data is available; however, this article will focus on information that will give a greater depth and understanding about the state's population and labor force.

The Census Bureau showed the Texas population to be 20.8 million in April 2000. Females outnumbered males by 146,000, accounting for 50.4 percent of the total population. Much attention has been paid to the age group known as the "baby boomers" which range from individuals born from approximately 1945 to 1964. Included in this age group are 5.9 million people or about 28.5 percent of all Texans. The baby boomers accounted for 41 percent of the labor force in 2000, a growth of 6.8 percent since 1990.

## **Economic Characteristics**

Economic characteristics gathered by the Census Bureau include data on employment status of the labor force, commuting to work statistics, income, industry attachment of workers, and occupational information. This data helps to understand some of the changes that have occurred in the world of business.

### **Employment Status**

The civilian labor force\*, which includes Texans age 16 years and older, totaled 9.8 million by April 2000. This represents a 17.7 percent gain from April 1990 or 1.6 million people. The civilian labor force includes employed and unemployed workers; both groups recorded increases over the decade. The majority of the labor force gain occurred in the employed sector as the unemployed sector rose by only 11,438 workers. Job creation kept pace with job demand, sending the unemployment rate downward to 6.1 percent in 2000 from 7.1 percent in 1990. The percentage of the population that was active in the labor force in April 2000 was 62.9 percent as compared to 64.9 percent in 1990. This drop in the labor force participation rate might help to explain worker shortages experienced in the Texas labor market by the end of the decade.

The majority of workers in Texas were employed by private businesses while government employed 14.6 percent of the working population, a number that dropped from 1990 to 2000. Workers that were selfemployed and unpaid family workers in family businesses made up 8.1 percent of the employed.

## **Industry and Occupational Attachment of Workers**

The three largest industries in Texas as measured by the number of workers they employ were *Educational, health and social services, Retail trade,* and *Manufacturing.* The smallest industry with 247,697 workers was *Agriculture, forestry, fishing and hunting, and mining.* 

A comparison of industrial change from the 1990 Census to the 2000 Census is difficult at best as the industry classification system has changed over the decade. (The NAICS conversion was discussed in the December 2000 TLMR article entitled "New Classification System Impacts Statistics" <u>http://www.twc.state.tx.us/lmi/publications/tlmr/</u>tlmr0012art.pdf). Fully one-third of all working Texans in April 2000 were in management, professional and related occupations. Sales and office occupations accounted for 27.2 percent of employment.

## **Migration inflation**

Since the boom of the Texas economy in the mid-1990s, Texas has been flooded with new faces looking for employment opportunities. So where have all these recent Texans come from? According to the 2000 Census, approximately 1.4 million residents have traveled from other states since 1995. This is a 17.1 percent increase over the previous Census, which showed a gain of 1.1 million new out-ofstate residents. The majority of this increase in the population came from other Southern states (38.9 percent), while the Northeast lost the fewest to Texas with 9.2 percent. Texas ranked only behind Florida and California as the state with the most new residents migrating from other states. The data also showed that Metropolitan Statistical Areas (MSAs), benefited the most from this influx of new Texans. Since 1995, the MSAs have accounted for 89.3 percent of the total gain of new residents from other states. The Dallas-Fort Worth Combined Metropolitan Statistical Area (CMSA) recorded the largest addition in out-of-state residents with 421,949 more people, followed by the Houston CMSA (Houston MSA-Galveston MSA-Brazoria MSA) with 259,919 and the San Antonio MSA with 116,599.

### **Urban or Rural**

Between the 1990 and 2000 Census, Texas gained 3.8 million people. Urban areas in Texas grew by 3.5 million people while rural Texas added a mere 298,485 residents. None of the twenty-eight Workforce Development Areas (WDAs) in Texas had a decrease in urban population since the last census. In fact, there were actually four WDAs with an urban population increase of at least 50 percent. The largest impact was felt in the Rural Capital Area WDA with a gain of over 80 percent and the Lower Rio Grande WDA with a 79 percent gain. The Lower Rio Grande gain can be partially attributed to the WDA's success in luring top retailers and global manufacturers to the area. The Rural Capital's growth through the 1990s was aided by a boom in the computer manufacturing and a high tech sector in Round Rock and Austin. The Gulf Coast WDA registered the largest total increase in urban population with an addition of 981,200 residents.

Rural areas are comprised of both farming and non-farming populations. The rural area's farming populations suffered a loss of 3.4 percent. Non-farming population areas managed to grow by 9.7 percent offsetting the loss in the farming communities. Decreases in

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farming communities occurred along the Texas-Mexico border, comprised of Cameron, Lower Rio Grande, Middle Rio Grande, South Texas, and Upper Rio Grande WDAs. This region accounted for 77 percent of the total loss accrued in the farming communities throughout Texas since 1990. North Central WDA showed the largest growth in the farming population with a gain of 919 people. One of the contributing factors for this loss of farm population is a continuing six-year drought felt along the Rio Grande border. With reservoirs at some of the lowest levels ever, the farming communities in border areas could continue to decrease in the future. Gains witnessed in urban populations may suggest a movement of workers from rural communities toward urban areas, as residents seek new job opportunities not available in their farming communities.

### **Commuting Patterns**

As more people flock to urban areas looking for employment opportunities, individuals are faced with a question, "How far am I willing to travel for work?" In 1990, 1.2 million Texans commuted to another county for work. By 2000, this number rose to 1.8 million, an increase of 50 percent. The majority of these new commuters traveled from counties adjacent to major metropolitan areas. The majority of Texans recorded 15-19 minutes of drive time in 1990. While the "15-19 minute"drive time was still the most common, there was a 31 percent increase in the number of Texans commuting for 20 minutes or longer than in 1990. In search of lower costs of living, workers are willing to increase their daily drive time by residing in low cost/low populated suburbs. Census data indicated that over 15 percent of all Texas counties had more than 50 percent of its working population commuting daily to another county for work.

Due to the advances in telecommunications and the rise of the Internet, the dynamics of modern business have changed. Working from home is now a viable option for businesses looking to reduce operating costs. In 1990, 185,380 Texans worked from home, but in 2000 that number rose to 252,024 home-based workers, a gain of 35.9 percent. This could be expected to grow in the future as technology continues to improve and this method of conducting business is more fully embraced.

### **Social Characteristics**

The Census long form also provided data on selected social characteristics including figures on school enrollment, educational attainment, marital status, grandparents as caregivers, veteran status, disability status, and residence 5 years ago. Also included were counts of native and foreign born (both citizens and non-citizens) persons, region of birth for foreign-born persons, language spoken at home, and counts for 28 ancestry categories. These social characteristics can also be used to tell a story about the makeup of the Texas labor market. Changes that have occurred over the past decade can be determined along with new findings which will have implications on the economy in the future.

## **Educational Attainment**

Delving further into the data released in September offered more of an insight into the composition of the labor force. Educational attainment refers to the highest level of education completed in terms of the highest degree or the highest level of schooling completed. The population surveyed were those persons 25 years of age and over. Of this group in Texas, approximately one quarter had less than a high school diploma or its equivalent. Another quarter of those surveyed hold at least a high school diploma or its equivalent. Twenty-two percent of the population reported having some college with no degree, five percent reported having an associate degree, and twenty-three percent had a bachelor's degree or higher, seven percent of which included persons with a graduate or professional degree in their reportoire.

Since the 1990 Census, the 25 and over population grew by about 2.4 million. With that, the educational attainment levels of these Texans showed signs of improvement. Fewer Texas residents have less than a high school education than in 1990 (3.5 percent fewer than in 1990) and more Texans attained a bachelors degree and above (2.8 percent more than 1990). Texans became more educated over the past decade adding better-educated workers to the labor force.



## **School Enrollment**

An additional social characteristic related to education in Texas is the percentage of students enrolled in school. The total number of Texans enrolled in school increased by 1.1 million from the 1990 Census. Census 2000 data revealed that students enrolled in college or graduate school have decreased by approximately 5 percent, students enrolled in high school and elementary schools have decreased by 1.4 percent, however, students in the primary school category (defined in the Census as including preschool and kindergarten) have doubled.

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## **Highlights of Local Area Unemployment Statistics** (Not Seasonally Adjusted)

The Texas actual series unemployment rate decreased for the third consecutive month, falling one-tenth of a percentage point from August's 6.3 to 6.2 The Texas actual series unemployment rate decreased for the unit consecutive month, ranning one-tenth of a percentige percent) – at a time percent in September. September's rate was the highest Texas has experienced for the month since 1994 (when it also stood at 6.2 percent) – at a time when the economy was continuing to recover from the national recession of 1991-92. September's decrease matches the average one-tenth of a percentage point reduction that is typically seen from August to September but is still a full percentage point higher than last September's rate of 5.2 percent. For the first three quarters of 2002, the Texas rate averaged its highest level in six years, matching the 1995 rate of 6.1 percent. Nationally, the United States unemployment rate dipped for a second consecutive month by three-tenths of a percentage point to 5.4 percent in September. Since May, the state rate has been higher than the national rate by an average of seven-tenths of a percentage point.

Employment increased by 10,700 in September, rebounding from a loss in August of 34,500. This gain brought the employment level up from August's 10,070,900 to 10,081,600 in September. September's increase was somewhat atypical since this was the first time since 1978 that employment rose between August and September (on average, employment typically decreases by 27,100). This September's employment level was 131,600 higher than last September's 9,950,000. Overall, employment was at the highest level ever recorded for the month and has remained above the 10 million mark since April of this year.

The number of unemployed Texans decreased for the third straight month, dipping by 15,900 over the month from 678,300 in August to 662,400 in September. Although September's unemployment level was the highest reported for the month since 1992, it also represented the largest over-the-month reduction for the month since 1997. September's decline of 15,900 was larger than the average August-to-September drop of 8,200. Despite September's larger than expected reduction, the level was still 118,100 higher than last year's level of 544,300.

The number of claims for unemployment benefits without earnings declined for the second straight month in September. Claims fell by 11,700 over the month, from 169,800 in August to 158,100 in September. When comparing current claims activity with that of the previous economic slowdown, claims in 1992 averaged 119,400 per month, 55,800 fewer than this year's average of 175,200. In a year-to-date comparison, September's claims were 31,200 lower than in January and are at their lowest level since October 2001. Despite the year-to-date decline, claims are 22,600 higher than last year's level of 135,500. For the second straight month, all industry super sectors registered over-the-month decreases in claims.

## **Civilian Labor Force Estimates for Texas Metropolitan Statistical Areas**

				(In ]	Thousands	)						(In Inousands)													
		September	2002*			August 2	:002			September	2001														
	C.L.F.	Emp.	Unemp.	Rate	C.L.F.	Emp.	Unemp.	Rate	C.L.F.	Emp.	Unemp.	Rate													
State of Texas	10,744.0	10,081.6	662.4	6.2	10,749.2	10,070.9	678.3	6.3	10,494.3	9,950.0	544.3	5.2													
Abilene	56.7	54.3	2.4	4.2	56.5	54.0	2.5	4.4	57.1	55.0	2.1	3.7													
Amarillo	112.2	107.9	4.3	3.8	112.1	107.8	4.3	3.8	111.6	108.2	3.4	3.0													
Austin-San Marcos	772.4	730.2	42.2	5.5	775.6	732.4	43.2	5.6	754.9	718.7	36.2	4.8													
<b>Beaumont-Port Arthur</b>	178.3	163.6	14.7	8.2	179.1	163.8	15.3	8.6	176.5	161.6	14.9	8.4													
Brazoria	111.4	103.0	8.4	7.6	110.8	102.1	8.7	7.9	107.4	100.7	6.7	6.2													
<b>Brownsville-Harlingen</b>	137.2	122.9	14.3	10.4	137.5	122.7	14.8	10.8	133.1	120.4	12.7	9.5													
<b>Bryan-College Station</b>	79.1	77.7	1.4	1.8	74.7	73.2	1.5	2.1	77.8	76.5	1.3	1.7													
Corpus Christi	177.3	166.4	10.9	6.2	177.4	166.1	11.3	6.4	174.0	164.0	10.0	5.7													
Dallas	2,060.3	1,918.2	142.1	6.9	2,069.4	1,924.6	144.8	7.0	2,014.8	1.900.8	114.0	5.7													
El Paso	285.1	261.4	23.7	8.3	285.1	260.8	24.3	8.5	286.4	260.9	25.5	8.9													
Fort Worth-Arlington	953.4	896.9	56.5	5.9	956.0	898.2	57.8	6.0	934.0	892.1	41.9	4.5													
<b>Galveston-Texas City</b>	120.1	110.8	9.3	7.7	120.7	111.0	9.7	8.1	117.1	109.6	7.5	6.4													
Houston	2,275.7	2,141.4	134.3	5.9	2,277.6	2,141.5	136.1	6.0	2,215.5	2,113.6	101.9	4.6													
Killeen-Temple	118.7	112.7	6.0	5.0	118.9	112.9	6.0	5.1	116.4	111.1	5.3	4.5													
Laredo	77.7	72.5	5.2	6.7	77.5	72.3	5.2	6.7	75.0	70.1	4.9	6.6													
Longview-Marshall	103.7	96.8	6.9	6.7	103.4	96.3	7.1	6.8	102.4	96.9	5.5	5.4													
Lubbock	129.2	125.6	3.6	2.8	129.9	125.8	4.1	3.2	126.2	123.2	3.0	2.4													
McAllen-Edinburg-Mission	212.0	185.3	26.7	12.6	211.2	184.2	27.0	12.8	203.4	177.9	25.5	12.5													
Odessa-Midland	124.5	116.9	7.6	6.1	123.7	116.1	7.6	6.1	121.1	116.1	5.0	4.1													
San Angelo	51.8	49.8	2.0	3.8	51.6	49.7	1.9	3.8	50.4	48.9	1.5	3.0													
San Antonio	812.9	771.3	41.6	5.1	812.6	769.5	43.1	5.3	793.4	760.4	33.0	4.2													
Sherman-Denison	49.4	46.2	3.2	6.5	49.9	46.5	3.4	6.8	50.2	47.0	3.2	6.3													
Texarkana	56.3	53.5	2.8	5.0	55.7	52.8	2.9	5.2	55.2	52.8	2.4	4.4													
Tyler	95.3	91.1	4.2	4.4	95.8	91.5	4.3	4.5	91.9	87.9	4.0	4.4													
Victoria	45.1	42.7	2.4	5.3	45.0	42.6	2.4	5.4	44.0	42.1	1.9	4.4													
Waco	102.4	97.9	4.5	4.4	101.1	96.2	4.9	4.9	101.5	97.6	3.9	3.9													
Wichita Falls	65.1	61.3	3.8	5.9	64.4	60.9	3.5	5.5	63.2	61.0	2.2	3.6													

\*Estimates for the current month are preliminary. All estimates are subject to revision. Estimates reflect actual (not seasonally adjusted) data. Civilian Labor Force (C.L.F.) includes wage and salary workers, self-employed, unpaid family, domestics in private households, agricultural workers, workers involved in labor disputes and the unemployed, all by place of residence. Employment and Unemployment data are first rounded then added together to derive the rounded CLF total. Because of this rounding technique, this rounded total of the CLF may not agree with a rounding of the CLF total itself. Percent Unemployed is based upon unrounded Labor Force, Employment and Unemployment numbers. Estimates of the TWC are in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor.

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### **OCTOBER 2002 Employment and Unemployment Estimates for Texas** Counties - September 2002 Rate Rate Rate County Emp. Unemp. County Emp. Unemp. County County Emp. Unemp. Emp. Unemp. Rate Anderson 19,226 951 4.7 Donley 1,600 42 2.6 Kaufman 33.169 3.074 8.5 Real 1,351 4.7 66 4.758 238 4.8 5.021 529 9.5 Kendall 16.623 500 2.9 Red River 4.841 7.0 Andrews Duval 363 Angelina 34,485 2.313 6.3 Eastland 9,422 299 3.1 Kenedy 221 6 2.6 Reeves 6,475 1.433 18.1 Aransas 10.358 617 5.6 Ector 57,234 4.761 7.7 Kent 384 10 2.5 Refugio 2,510 110 4.2 Archer 3,943 135 3.3 Edwards 835 32 3.7 Kerr 18,036 605 3.2 389 9 2.3 Roberts Ellis Armstrong 1.149 15 1.3 55.835 3,400 5.7 Kimble 2.365 49 2.0 Robertson 6.448 375 5.5 19,169 1.034 El Paso 261.428 23.668 8.3 King 5 2.9 Rockwall Atascosa 5.1 170 22.924 1.351 5.6 Austin 3.6 14,512 578 3.8 Erath 16,701 434 2.5 Kinney 1,062 56 5.0 Runnels 4,681 176 Rusk Bailey 3,500 167 Falls 270 Kleberg 12,080 729 5.7 20,848 4.6 7,433 3.5 1,286 5.8 Bandera 7,457 257 3.3 Fannin 12.561 877 6.5 Knox 1,828 69 3.6 Sabine 3,728 451 10.8 Bastron 28.954 1.825 5.9 Favette 11.194 341 3.0 Lamar 20.758 1.340 6.1 San Augustine 225 3.165 6.6 Baylor 1,584 71 4.3 Fisher 1,834 69 3.6 Lamb 6,413 306 4.6 San Jacinto 9.202 483 5.0 Bee 9,906 573 5.5 Floyd 2,961 189 10,062 3.2 San Patricio 28,456 1,835 6.0 Lampasas 328 6.1 Bell 91,816 4.944 5.1 Foard 686 32 4.5 La Salle 2.601 191 6.8 San Saba 2.595 66 2.5 Bexar 671.768 36,020 5.1 Fort Bend 189,963 9,082 4.6 8.152 172 2.1 Schleicher 1.555 44 Lavaca 2.8 Blanco 3,744 174 4.4 Franklin 4.662 154 3.2 Lee 6.360 267 4.0 Scurry 6.875 301 4.2 Borden 412 5 1.2 Freestone 8.379 414 4.7 6,671 488 6.8 Shackelford 1.323 Leon 49 3.6 5,099 6.384 475 Shelby Bosque 311 4.6 Frio 8.5 Liberty 28,463 2.745 8.8 8.359 669 7.4 36,696 2,090 6,752 279 4.3 Bowie 5.4 Gaines 4.0 Limestone 9.890 441 Sherman 2.096 32 1.5 Brazoria 102,950 8,419 7.6 Galveston 110,771 9.289 7.7 Lipscomb 1.480 42 2.8 Smith 91,117 4.180 4.4 Brazos 77,685 1,429 1.8 Garza 2,795 93 3.2 Live Oak 4,537 115 2.5 Somervell 2,175 7.3 172 Gillesnie 240 5.649 135 2.3 23 Llano 250 4.4 Starr Brewster 9.982 5.466 17.725 3.087 14.8 Briscoe 725 37 4.9 Glasscock 703 17 2.4 52 2 198 Loving 3.7 Stephens 3.633 5.2 Brooks 3,649 287 7.3 Goliad 2.664 135 4.8 Lubbock 125.641 3.627 2.8 Sterling 592 29 4.7 Brown 17.031 708 4.0 Gonzales 7,613 431 5.4 Lynn 2.432 103 4.1 Stonewall 553 12 2.1 Mc Culloch Burleson 7.336 314 4.1 Grav 8.321 503 5.7 3.314 3.8 Sutton 2.210 130 59 2.6 Burnet 15.085 696 4.4 Grayson 46,196 3.237 6.5 Mc Lennan 97.872 4,543 4.4 Swisher 3,530 172 4.6 Caldwell 16,501 1,029 5.9 Gregg 54,919 4.182 7.1 Mc Mullen 290 10 3.3 Tarrant 774,952 49,698 6.0 Calhoun 8.871 752 7.8 Grimes 7.844 691 8.1 Madison 4.296 152 54.298 2.369 3.4 Taylor 4.2 Callahan 6,900 289 4.0 Guadalupe 43,623 2.406 5.2 Marion 3,112 218 6.5 Terrell 658 27 3.9 Cameron 122,918 14,295 10.4 Hale 16,340 823 4.8 Martin 2,221 88 3.8 Terry 5,334 250 4.5 Camp 5.369 301 5.3 Hall 1.848 4.3 Mason 83 1.468 34 2.3 Throckmorton 692 25 3.5 Carson 3,148 132 4.0 Hamilton 4,423 108 2.4 14,306 12,723 Matagorda 1.811 11.2 Titus 693 5.2 Cass 14,090 978 6.5 Hansford 2,468 56 2.2 Maverick 14.072 3.043 17.8 Tom Green 49.807 1.955 3.8 Castro 3,210 130 3.9 Hardeman 1,746 93 5.1 Medina 14,928 679 4.4 Travis 476,770 28,315 5.6 Hardin Chambers 11.728 663 5.4 21.456 1.721 Menard 32 7.4 888 3.5 Trinity 4.811 304 5.9 Cherokee 18.348 931 4.8 Harris 1.753.617 113.891 6.1 Midland 59,624 2.862 4.6 Tyler 6.125 696 10.2 Childress 3,157 100 3.1 Harrison 25.828 1.810 6.5 Milam 9.281 617 6.2 Upshur 16,041 905 5.3 Clay 247 5.356 4.4 Hartley 2.995 Mills 1.534 37 1.2 2.372 49 2.0 Upton 81 5.0 Cochran 1.088 83 7.1 Haskell 3,209 120 3.6 Mitchell 3,267 181 5.2 Uvalde 9.774 973 9.1 Coke 1,492 42 2.7 54,289 3,197 Val Verde Havs 5.6 Montague 6.458 426 6.2 17.918 1.012 5.3 Coleman 2.875 208 6.7 Hemphill 1.890 37 1.9 Montgomery 144,940 6.995 4.6 Van Zandt 20,482 1.071 5.0 Collin 283,313 19.800 1,657 6.5 Henderson 30.251 5.2 Victoria Moore 9.256 331 3.5 42.666 2.372 5.3 630 Collingsworth 1.680 17 1.0 Hidalgo 185.281 26.660 12.6 Morris 6,013 521 8.0 Walker 21.536 2.8 Colorado 8,010 292 3.5 Hill 14,631 767 5.0 Motley 563 10 1.7 Waller 12,725 921 6.7 Comal 40.085 2.541 6.0 Hockley 11.550 458 985 Ward 3,496 3.8 Nacogdoches 26.780 3.5 365 9.5 Comanche 6,257 208 3.2 Hood 17,215 1.034 5.7 Navarro 21,039 1.360 6.1 Washington 14,767 402 2.7 Webb Concho 1,610 20 1.2 Hopkins 13,822 750 5.1 Newton 4,776 1,078 18.4 72,532 5,207 6.7 Cooke 17.887 747 4.0 Houston 10.006 444 4.2 Nolan 6.571 311 4.5 Wharton 18,780 1.098 5.5 Coryell 20.846 1.010 4.6 Howard 13,816 828 5.7 Nueces 137,913 9,111 6.2 Wheeler 93 2.559 3.5 Cottle 878 29 3.2 Hudspeth 74 Ochiltree 1.332 5.3 4.819 115 2.3 Wichita 57.338 3.683 6.0 Crane 14.0 1.299 211 Hunt 36.096 2 289 6.0 Oldham 1.248 20 1.6 Wilbarger 7.588 245 3.1 Crockett 1,718 3.4 Hutchinson 747 61 8.726 7.9 Orange 36.813 3.814 9.4 Willacy 5.037 970 16.1 Crosby 2,862 130 4.3 Irion 820 25 3.0 **Palo** Pinto 11.377 640 5.3 Williamson 153,654 7,824 4.8 Culberson 992 100 9.2 Jack 3,048 113 3.6 Panola 7,816 7.3 Wilson 15,816 613 639 3.9 Dallam 3.593 93 2.5 Iackson 333 3.9 Parker 42.812 Winkler 8.154 2.033 4.5 2.666 343 11.4 Dallas 1.202.306 98.040 7.5 Jasper 12,268 1,659 11.9 4,378 103 Wise Parmer 2.3 25.880 1.186 4.4 6,235 346 5.3 Jeff Davis 34 Dawson 1.217 2.7 Pecos 5.566 417 7.0 Wood 13,906 777 5.3

Estimates reflect actual (not seasonally adjusted) data. Estimates are preliminary and subject to revision. To obtain the civilian labor force, add total employment to total unemployment. Estimates of the TWC are in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor.

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**Jefferson** 

Jim Hogg

**Jim Wells** 

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### TEXAS LABOR MARKET REVIEW

## Employment and Unemployment Estimates for Texas Cities - September 2002

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City	Emp	Unemp	Rate	City	Emp	Unemp	Rate	City	Emp	Unemp	Rate	City	Emp	Unemp	Rate
Abilene	47,963	2,201	4.4	Denton	56,560	4,078	6.7	La Joya	1,079	248	18.7	Quanah	1,088	67	5.8
Addison	7,989	488	5.8	Diboll	1,657	226	12.0	La Marque	6,600	807	10.9	Rankin	346	25	6.7
Alamo Hoighta	2,506	256	9.3	Dickinson	4,824	491	9.2	La Porte	17,367	834	4.6	Raymondville	2,511	517	17.1
Aldine	6,079	477	2.0	Donna Drinning Springs	5,009	1,069	16.0	Lago Vista	1,516	101	6.2	Rendon	4,821	254	5.0
Alice	9,439	707	7.0	Dumas	6.749	20	3.5	Lake Jackson	13,/15	707	4.9	Richardson Dichland Hills	55,443	3,171	5.4
Allen	19,566	1,255	6.0	Duncanville	23,747	1.382	5.5	Lamesa	4.603	309	6.3	Richmond	7 358	748	4.5
Alton	1,369	234	14.6	Eagle Pass	8,361	1,592	16.0	Lampasas	4,358	188	4.1	Rio Grande City	4.954	641	11.5
Alvarado	1,589	52	3.2	Edcouch	1,126	292	20.6	Lancaster	13,955	968	6.5	River Oaks	3,646	316	8.0
Alvin	10,798	784	6.8	Edinburg	16,231	2,035	11.1	Laredo	67,992	4,737	6.5	Roanoke	1,429	70	4.7
Amarillo	89,839	3,845	4.1	El Campo	4,788	321	6.3	League City	17,896	644	3.5	Robert Lee	560	16	2.8
Andrews	3 503	184	5.0	El Paso	235,780	20,391	8.0	Leander	3,569	115	3.1	Robinson	4,315	89	2.0
Angleton	9,570	800	7.7	Electra	1.294	93	6.7	Levelland	6 755	225	3.5	Robstown	4,449	444	9.1
Arlington	189,327	10,548	5.3	Elgin	3,208	280	8.0	Lewisville	45.340	1.978	4.2	Rockwall	9 384	714	5.9
Athens	6,002	338	5.3	Elsa	2,365	317	11.8	Liberty	4,154	627	13.1	Rosenberg	15.890	965	5.7
Atlanta	3,072	170	5.2	Ennis	8,488	589	6.5	Linden	1,095	65	5.6	Round Rock	35,084	1,651	4.5
Austin	385,504	24,457	6.0	Euless	29,918	1,363	4.4	Littlefield	2,738	136	4.7	Rowlett	16,707	653	3.8
Azle Rolah Springs	5,742	358	5.9	Everman	3,410	373	9.9	Live Oak	6,810	194	2.8	Saginaw	5,587	488	8.0
Bastron	2 895	277	87	Fabens	1,952	259	11.7	Liano	1,751	103	5.6	San Angelo	42,166	1,769	4.0
Bay City	7,206	924	11.4	Falfurrias	2,454	101	3.5	Lockhart	37 140	2 010	0.9	San Antonio	520,020	30,796	5.5
Baytown	34,854	2,608	7.0	Farmers Branch	16.587	1.148	6.5	Lubbock	106.121	3.082	2.8	San Juan	5 295	1,140	11.7
Beaumont	51,959	4,370	7.8	First Colony	15,646	349	2.2	Lufkin	15,187	968	6.0	San Marcos	22.686	1.973	8.0
Bedford	34,168	1,318	3.7	Flower Mound	13,815	565	3.9	Lumberton	4,053	196	4.6	Santa Fe	4,433	276	5.9
Beeville	5,439	371	6.4	Forest Hill	6,983	472	6.3	Mc Allen	47,983	4,728	9.0	Schertz	7,439	393	5.0
Bellaire	9,953	240	2.4	Fort Stockton	3,275	279	7.9	Mc Gregor	2,284	92	3.9	Seabrook	5,442	240	4.2
Belton	6 348	332	5.0	Fort worth	20/,/8/	23,015	7.9	Mc Kinney	18,857	2,357	11.1	Seagoville	4,736	436	8.4
Benbrook	13.818	554	3.9	Freeport	5,705	858	13.8	Marble Falls	3,002	509	3.4	Seguin	11,133	855	7.1
Bertram	523	42	7.4	Friendswood	14,194	564	3.8	Marlin	2,625	125	4.5	Sherman	15 564	1 204	2.9
Big Lake	1,282	50	3.8	Frisco	6,249	522	7.7	Marshall	10,211	725	6.6	Silsbee	3.177	299	8.6
Big Spring	9,453	636	6.3	Gainesville	7,686	381	4.7	Marshall Creek	231	18	7.2	Sinton	2,346	183	7.2
Blanco	708	44	5.9	Galena Park	4,871	384	7.3	Mason	807	33	3.9	Smithville	2,053	147	6.7
Borger	2,908	288	8.8	Galveston	28,772	3,195	10.0	Mathis	1,994	224	10.1	Snyder	4,597	218	4.5
Bowie	1,799	134	6.9	Catesville	3 360	142	5.9	Monord	1,132	02	5.2	Socorro	9,003	1,386	13.3
Brady	2,069	92	4.3	Georgetown	14,606	912	5.9	Mercedes	5.547	1.006	15.4	South Houston	7 358	573	2.5
Brenham	6,327	202	3.1	Gladewater	2,755	254	8.4	Merkel	1.108	72	6.1	South Padre Island	1,290	44	3.3
Bridge City	3,723	347	8.5	Glen Rose	613	88	12.6	Mertzon	366	10	2.7	Southlake	5,022	167	3.2
Bridgeport	2,371	113	4.5	Graham	3,810	230	5.7	Mesquite	67,965	4,103	5.7	Spring	21,964	896	3.9
Brownsville	45,412	6,209	12.0	Granbury Grand Brainia	2,415	103	4.1	Mexia	3,153	159	4.8	Stafford	7,522	358	4.5
Bryan	36,865	688	1.8	Grand Prairie Granevine	03,912	4,800	7.0	Midland	50,279	2,387	4.5	Stanton	1,145	53	4.4
Buda	1.572	59	3.6	Greenville	12.832	809	5.9	Mineral Wells	6 387	448	5.0	Sterling City	0,102	258	5.1
Burkburnett	5,065	384	7.0	Gregory	1,281	92	6.7	Mission Bend	19,858	705	3.4	Sugar Land	21.471	844	3.8
Burleson	10,649	631	5.6	Groesbeck	1,472	70	4.5	Mission	13,439	1,599	10.6	Sulphur Springs	6,586	432	6.2
Cameron	2,183	187	7.9	Groves	7,134	367	4.9	Missouri City	32,941	1,024	3.0	Sweetwater	4,643	250	5.1
Canyon Canyon Laka	6,925	126	1.8	Haltom City	20,977	1,312	5.9	Monahans	2,177	236	9.8	Taylor	10,376	929	8.2
Carrollton	71 228	3 201	0.1	Harker Heights	0,551	216	3.2	Mount Pleasant	6,495	246	3.6	Temple	27,017	1,057	3.8
Carthage	2.299	181	7.3	Haslet	20,000	2,111	41	Nacogdoches	1,235	648	4.0	Teverkono	13 451	9/5	12.1
Cedar Hill	12,947	591	4.4	Henderson	5.394	313	5.5	Navasota	2.820	202	6.7	Texas City	19 579	1 949	0.4
Cedar Park	5,515	394	6.7	Henrietta	1,535	91	5.6	Nederland	8,204	325	3.8	The Colony	19,296	1.012	5.0
Channelview	14,767	976	6.2	Hereford	5,233	395	7.0	New Braunfels	20,296	1,259	5.8	The Woodlands	23,990	695	2.8
Clarksville	1,478	138	8.5	Hewitt	5,920	89	1.5	Nocona	1,067	67	5.9	Trophy Club	3,624	125	3.3
Clifton	1 2,080	1,045	4.1	Highland Park	1,314	147	10.1	N Richland Hills	33,002	1,598	4.6	Tyler	45,210	2,465	5.2
Cloverleaf	10.805	812	7.0	Highland Village	6,154	246	3.8	Olney	43,905	3,395	6.4	Universal City	13 366	292	3.0
Clute	5,105	382	7.0	Hillsboro	3,508	235	6.3	Orange	8.060	891	10.0	Uvalde	5.957	693	10.4
College Station	30,906	599	1.9	Houston	1,006,755	78,414	7.2	Ozona	1,371	55	3.9	Vernon	5,775	200	3.3
Colleyville	8,638	293	3.3	Humble	8,241	391	4.5	Paducah	675	28	4.0	Victoria	31,640	1,869	5.6
Commonoo	1,400	45	3.1	Huntsville	11,567	401	3.4	Paint Rock	151	2	1.3	Vidor	5,045	424	7.8
Conroe	21.843	1,117	4.9	Iowa Park	3 021	1,442	5.1	Palacios	1,503	333	18.1	Wato	49,157	3,018	5.8
Converse	5,588	208	3.6	Irving	114,193	7.652	6.3	Pampa	6.944	432	5.5	Watanga	13 721	488	4.0
Cooper	949	109	10.3	Jacinto City	4,443	540	10.8	Paris	10,966	793	6.7	Waxahachie	11.304	860	7.1
Coppell	12,368	349	2.7	Jacksonville	5,681	335	5.6	Pasadena	69,066	4,811	6.5	Weatherford	9,103	405	4.3
Copperas Cove	10,351	557	5.1	Jasper	2,875	288	9.1	Pearland	11,934	578	4.6	Webster	3,701	98	2.6
Corpus Christi	124,010	8,126	6.1	Johnson City	533	38	6.7	Pearsall	2,506	316	11.2	Wells Branch	7,714	209	2.6
Cotulla	1 823	131	6.7	Jonestown	980	30	8.1	Pecan Grove	8,428	231	2.7	Weslaco	10,431	1,923	15.6
Crane	998	171	14.6	Katy	4 954	166	32	Perryton	4,990	1,285	20.4	West University Pl	7,339	627	7.9
Crockett	3,382	197	5.5	Keller	9.488	299	3.1	Pflugerville	3.863	123	3.1	Wharton	3 921	325	1.4
Crowley	4,504	281	5.9	Kennedale	2,658	99	3.6	Pharr	14,308	2,522	15.0	White Settlement	9.110	585	6.0
Cuero	2,824	151	5.1	Kermit	2,053	291	12.4	Plainview	10,443	504	4.6	Wichita Falls	44,303	2,912	6.2
Dalhart	4,407	102	2.3	Kerrville	8,076	311	3.7	Plano	139,713	8,322	5.6	Wink	399	29	6.8
Daingerfield	1 134	05,287	0.0	Killeen	5,793	410	6.6	Pleasanton	4,747	268	5.3	Woodway	5,434	63	1.1
De Soto	21.307	1,109	4.9	Kingsville	10 223	627	5.8	Port Isabel	21,993	3,195	6.0	Voskum	8,470	086	7.5
Deer Park	17,389	848	4.6	Kingwood	23,033	501	2.1	Port Lavaca	4,993	534	9.7	avanu	2,449	00	5.4
Del Rio	14,817	876	5.6	Kirby	5,138	317	5.8	Port Neches	6,355	389	5.8				1
Denison	9,985	782	7.3	Kyle	1,521	137	8.3	Portland	7,370	262	3.4				1

Estimates reflect actual (not seasonally adjusted) data. Estimates are preliminary and subject to revision. To obtain the civilian labor force, add total employment to total unemployment. Estimates of the TWC are in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor.

## **Texas Nonagricultural Wage and Salary Employment**

				Aug. '02 to	Sept. '02	Sept. '01 to	Sept. '02
	Sept. '02	Aug. '02	Sept. '01	Change	% Change	Change	% Change
TOTAL NONAG. W & S EMPLOYMENT	9,446,500	9,400,900	9,512,700	45,600	0.5	-66,200	-0.7
GOODS PRODUCING	1.719.900	1.729.700	1.771.700	-9.800	-0.6	-51,800	-2.9
Mining	156,400	159,000	164,200	-2,600	-1.6	-7,800	-4.8
Oil & Gas Extraction	147,700	150,200	155,200	-2,500	-1.7	-7,500	-4.8
Construction	561,800	565,400	565,900	-3,600	-0.6	-4,100	-0.7
Manufacturing	1,001,700	1,005,300	1,041,600	-3,600	-0.4	-39,900	-3.8
Durable Goods	606,700	608,800	634,700	-2,100	-0.3	-28,000	-4.4
Lumber & Wood Products	45,000	45,300	46,100	-300	-0.7	-1,100	-2.4
Lumber Camps, Sawmills, Planing Mills	6,400	6,700	6,900	-300	-4.5	-500	-7.2
Furniture & Fixtures	19,700	19,900	20,500	-200	-1.0	-700	-1.5
Stone, Clay, & Glass Froducts	45,900	24 600	24,700	-100	-0.4	-200	-0.8
Primary Metal Industries	29,200	29,300	31,200	-100	-0.3	-2.000	-6.4
Fabricated Metal Industries	98,600	98,600	103.000	0	0.0	-4,400	-4.3
Fabricated Structural Metal Products	53,100	53,200	54,800	-100	-0.2	-1,700	-3.1
Industrial Machinery & Equipment	128,900	129,700	135,200	-800	-0.6	-6,300	-4.7
Oil & Gas Field Machinery	30,600	30,700	31,400	-100	-0.3	-800	-2.5
Electronic & Other Electrical Equipment	113,500	114,600	123,700	-1,100	-1.0	-10,200	-8.2
Transportation Equipment	73,700	72,700	74,800	1,000	1.4	-1,100	-1.5
Aircraft & Parts	38,200	38,300	39,900	-100	-0.3	-1,700	-4.3
Instruments & Related Products	33,400	33,700	34,400	-300	-0.9	-1,000	-2.9
Miscellaneous Manufacturing	18,800	18,900	19,400	-100	-0.5	-600	-3.1
Nondurable Goods	395,000	396,500	406,900	-1,500	-0.4	-11,900	-2.9
Food & Kindred Products	98,700	98,100	99,900	500	0.0	-1,200	-1.2
Meat Products	57,200	50,700	50,200	500	1.4	-100	-1.0
Dairy Products	9,200	9,400	9,500	100	11	-100	-1.9
Bakery Froducts Malt Bayergaes	9,500	1,700	1,800	100	0.0	-100	-5.6
Mau Deverages Taxtile Mill Products	3 900	4,000	4,100	-100	-2.5	-200	-4.9
Annarel & Other Finished Textile Products	30,800	31,300	35,500	-500	-1.6	-4,700	-13.2
Paper & Allied Products	26,300	26,400	27,200	-100	-0.4	-900	-3.3
Printing & Publishing	72,800	73,300	74,300	-500	-0.7	-1,500	-2.0
Newspapers, Periodicals, Books, & Miscellaneous	34,900	35,100	35,000	-200	-0.6	-100	-0.3
Chemicals & Allied Products	80,900	81,200	81,500	-300	-0.4	-600	-0.7
Petroleum & Coal Products	24,800	24,900	24,800	-100	-0.4	0	0.0
Petroleum Refining	21,100	21,200	21,200	-100	-0.5	-100	-0.5
Rubber & Miscellaneous Plastics	52,200	52,700	54,400	-500	-0.9	-2,200	-4.0
Leather & Leather Products	4,500	4,700	5,200	-200	-4.3	-700	-13.5
SERVICE PRODUCING	7,726,600	7,671,200	7,741,000	55,400	0.7	-14,400	-0.2
Transportation, Communications, Utilities	574,200	574,300	596,000	-100	0.0	-21,800	-3.7
Transportation	356,700	356,400	367,900	300	0.1	-11,200	-3.0
Railroad Transportation	15,800	15,800	16,000	0	0.0	-200	-1.3
Transportation by Air	116,500	116,900	124,800	-400	-0.3	-8,300	-6.7
Communications	142,800	143,000	150,200	-200	-0.1	-7,400	-4.9
Electric, Gas, & Sanitary Services	74,700	74,900	77,900	-200	-0.5	-5,200	-4.1
Electric Services	35,700	35,800	35,000	-100	-0.5	-3 600	-14.3
Gas Production & Distribution	2 237 900	2 247 900	2 261 900	-10 000	-0.5	-24,000	-14.5
I rade Wholesale Trade	521 800	522,600	529.700	-10,000	-0.2	-7.900	-1.5
Retail Trade	1 716 100	1 725 300	1.732.200	-9.200	-0.5	-16,100	-0.9
Building Materials & Gardening Supplies	67,800	68,700	66,400	-900	-1.3	1,400	2.1
General Merchandise Stores	219,400	218,800	230,700	600	0.3	-11,300	-4.9
Food Stores	242,500	244,700	251,600	-2,200	-0.9	-9,100	-3.6
Automotive Dealers & Service Stations	181,100	182,200	181,100	-1,100	-0.6	0	0.0
Apparel & Accessory Stores	80,200	83,000	82,300	-2,800	-3.4	-2,100	-2.6
Home Furniture, Furnishings, & Equipment Stores	82,600	82,300	82,900	300	0.4	-300	-0.4
Eating & Drinking Places	659,300	662,500	648,000	-3,200	-0.5	11,300	1.7
Other Retail Trade	183,200	183,100	189,200	100	0.1	-6,000	-3.2
Finance, Insurance, & Real Estate	530,700	532,300	535,600	-1,600	-0.3	-4,900	-0.9
Depository Institutions including Banks	132,200	132,500	132,600	-300	-0.2	-400	-0.3
Insurance Carriers, Agents, Brokers, & Service	105,100	105,500	100,400	-400	-0.2	-1,500	-0.0
Other Finance Insurance & Keal Estate	255,400	2 760 300	2 751 400	-5400	-0.4	2 500	-1.4
Services Hotel & Other Lodging Places	2,755,900	2,700,500	94 700	-2,700	-2.8	300	0.3
Personal Services	91 900	91,700	92,600	200	0.2	-700	-0.8
Rusiness Services	668.800	669,100	695,900	-300	0.0	-27,100	-3.9
Auto Renair Services	96,600	97.400	96,200	-800	-0.8	400	0.4
Miscellaneous Repair Services	33,500	33,500	34,200	0	0.0	-700	-2.0
Amusement & Recreation, including Motion Pictures	121,200	127,900	123,300	-6,700	-5.2	-2,100	-1.7
Health Services	742,100	741,000	724,700	1,100	0.1	17,400	2.4
Legal Services	71,100	71,700	71,100	-600	-0.8	0	0.0
Educational Services	128,100	119,500	125,400	8,600	7.2	2,700	2.2
Social Services	208,000	207,700	202,400	300	0.1	5,600	2.8
Membership Organizations	144,800	146,300	144,500	-1,500	-1.0	300	0.2
Engineering & Management Services	269,200	271,400	267,400	-2,200	-0.8	1,800	0.7
Agricultural Services	63,400	64,900	61,500	-1,500	-2.3	1,900	3.1
Government	1,629,900	1,556,400	1,596,100	73,500	4.7	33,800	2.1
Federal	181,400	180,300	178,700	1,100	0.6	2,700	1.5
State	337,300	323,700	332,000	13,600	4.2	5,300	1.6
Local	1,111,200	1,052,400	1,085,400	58,800	5.6	25,800	2.4

\*Estimates for the current month are preliminary. All estimates are subject to revision. The number of nonagricultural jobs in Texas is without reference to place of residence of workers. Estimates of the TWC are in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor. Wholesale Trade estimates are probability-based. (See text box on page 9 for more information)

(In Thousands)															
INDUCTORY	G	ABILENE		A	MARILL	0	AUSTI	IN-SAN MA	ARCOS	BMT	PT. ART	HUR	F	RAZORI	A
INDUSTRY	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01
Mining	0.9	1.0	0.9	0.7	0.7	0.7	1.7	1.7	0/0.7	157.5	150.0	0.8	/8.0	1.5	1.5
Construction	2.4	2.4	2.3	4.9	5.1	5.3	39.7	40.4	40.0	15.9	15.7	15.6	11.3	11.1	10.7
Manufacturing-Dur.	1.5	1.5	1.6	3.2	3.2	3.3	55.7	56.2	62.0	7.6	7.6	7.7	3.3	3.4	3.7
Manufacturing-Nondur.	1.5	1.6	1.6	5.9	5.8	5.6	13.1	13.0	13.0	13.7	13.8	14.3	10.2	10.3	10.4
Wholesale Trade	2.4	2.6	2.4	4.0	4.0	4.9	20.4	20.5	21.2	8.1	8.1	8.5	3.0	3.1	2.8
Retail Trade	11.3	11.3	11.6	21.4	21.5	21.2	116.3	116.4	116.3	30.9	31.2	30.7	13.3	13.3	13.8
Fin., Ins., & Real Est.	2.5	2.5	2.5	5.1	5.2	5.4	34.4	34.6	34.0	5.2	5.2	5.2	2.1	2.1	2.1
Services	18.7	18.5	19.3	28.9	29.1	28.8	203.2	203.3	201.8	44.3	44.2	42.7	16.1	16.2	15.6
State Government	2.0	2.0	2.1	4.3	4.1	1.9	10.0	9.9	9.0 67 3	2.9	2.9	3.0	0.5	0.5	0.5
Local Government	6.4	6.0	6.2	9.8	9.3	10.8	70.3	68.0	66.3	17.8	16.9	18.3	11.7	10.8	11.7
	BROW	NSVILLE	-HARL.	BRYA	AN-COLL.	. STA.	COL	<b>RPUS CHR</b>	ISTI		DALLAS			EL PASO	
INDUSTRY	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01
Mining	112.0	**	111.0	0.9	0.9	0.9	100.5	159.4	100.3	1981.2	19/8.0	1989.7	253.1	251.8	255.8
Construction	4.4	4.4	4.4	3.6	3.7	3.6	13.9	13.9	12.9	106.5	106.9	107.8	12.3	12.2	11.8
Manufacturing-Dur.	5.6	5.6	5.6	2.8	2.8	2.9	5.0	5.0	5.1	154.9	155.8	160.5	14.0	14.1	14.9
Manufacturing-Nondur.	5.1	5.2	5.9	2.4	2.4	2.5	7.9	7.9	8.0	75.4	75.5	74.8	18.5	18.5	20.1
Wholesale Trade	5.5	4.5	4.3	1.4	1.4	1.5	5.8	5.0	5.9	138.2	138.2	140.9	14.1	14.1	15.0
Retail Trade	23.0	22.9	22.5	14.4	14.1	14.6	30.3	30.5	30.5	342.9	343.9	344.2	49.2	49.3	48.8
Fin., Ins., & Real Est.	3.9	3.9	3.9	2.8	2.8	2.7	6.4	6.4	6.4	157.0	157.3	158.0	11.3	11.3	11.3
Services	33.3	33.4	33.0	17.3	17.1	17.5	50.1	50.1	50.5	622.8	624.2	621.2	62.5	62.5	63.5
State Covernment	2.5	3.8	2.5	22.9	19.6	22.1	0.1	6.0	0.1	31.8	31.0	31.0	8.7	8.0	8.7
Local Government	21.1	19.8	20.2	7.0	5.9	7.0	20.3	19.1	20.2	171.0	165.2	166.1	41.7	41.2	41.2
	FT.	WORTH-	ARL.	GALVE	STON-TY	K. CITY		HOUSTON	1	KILI	EEN-TEN	APLE		LAREDO	-11.5
INDUSTRY	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01
TOTAL Mining	193.5	192.1	799.7	86.5	86.4	86.8	2122.9	2117.2	2122.1	103.5	103.5	103.5	71.8	71.3	70.3
Construction	46.2	47.0	45.7	4.2	4.1	4.0	162.5	164.1	159.4	4.7	4.7	4.7	2.3	2.3	2.3
Manufacturing-Dur.	69.2	69.5	72.1	2.3	2.3	2.6	129.9	130.4	132.1	3.9	3.9	4.0	0.9	0.9	0.9
Manufacturing-Nondur.	35.7	35.9	35.4	5.0	5.0	5.0	80.6	81.1	82.0	4.7	4.8	4.9	0.5	0.5	0.6
Wholesale Trade	42.5	42.8	42.6	5.7	3.7	3.7	145.4	145.9	155.8	3.9	3.9	3.7	12.0	12.0	12.2
Retail Trade	152.5	153.8	155.6	18.2	18.4	18.0	354.3	356.4	350.2	21.3	21.5	21.1	16.1	16.2	15.2
Fin., Ins., & Real Est.	41.6	41.6	41.5	5.4	5.4	5.5	115.7	116.3	115.8	4.3	4.4	4.4	3.0	3.0	2.9
Services	217.8	219.1	218.5	20.2	20.4	20.1	666.1	667.6	660.0	28.2	28.6	28.5	15.8	15.9	15.5
State Government	9.3	9.2	9.3	11.6	11.7	11.8	20.3	20.2	20.0	37	1.9	8.0	2.1	2.1	2.1
Local Government	80.1	75.9	79.7	12.8	12.3	12.9	199.9	189.1	198.6	17.1	16.3	16.5	13.6	13.0	13.0
	LONGV	IEW-MAI	RSHALL	I	LUBBOCK	5	MCAL	LEN-EDIN	NMIS.	ODES	SSA-MIDI	LAND	SA	N ANGEI	LO
INDUSTRY	Sept. '02 91.7	Aug. 02	Sept. '01 03.1	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01	Sept. '02	Aug. '02	Sept. '01
Mining	4.1	4.0	4.2	0.1	0.1	0.1	1.6	1.6	101.5	105.5	12.5	12.6	45.5	45.1	45.0
Construction	4.8	4.8	4.7	5.1	5.2	4.9	8.6	8.7	8.2	5.4	5.5	5.7	2.1	2.2	2.2
Manufacturing-Dur.	11.1	11.1	11.6	4.0	4.0	4.0	3.4	3.4	3.6	5.3	5.2	5.2	2.5	2.5	2.5
Trans Comm & Util.	4.0	4.0	4.9	5.0	3.0	3.0	0.5	0.8	7.3	1.7	1.7	1.9	2.3	2.3	2.1
Wholesale Trade	4.2	4.1	4.1	7.5	7.4	7.4	6.5	6.4	6.6	6.9	7.0	6.8	1.8	1.8	1.8
Retail Trade	19.7	19.6	19.9	26.3	26.4	25.8	36.3	36.6	35.6	20.6	20.7	21.0	8.5	8.5	8.6
Fin., Ins., & Real Est.	3.6	3.6	3.6	6.5	6.6	6.5	6.0	6.0	5.8	4.1	4.1	4.1	1.8	1.8	1.8
Services Federal Government	0.5	0.5	0.5	1.1	1.1	37.1	47.2	40.9	44.5	25.5	25.4	25.5	13.3	13.3	13.2
State Government	0.8	0.8	0.8	13.0	12.7	12.9	4.8	4.9	4.8	2.0	2.0	1.9	2.6	2.3	2.6
Local Government	10.6	10.1	11.0	11.9	11.7	11.9	35.5	33.9	34.3	15.6	14.6	15.4	5.9	5.7	5.5
INDUSTRY	Sent '02	Aug 202	IO Sont '01	SHER	MAN-DEN	VISON	Fort 202	EXARKAN	A Sant 201	G-mt 202	TYLER	G 201	0	VICTORIA	A
TOTAL	733.0	729.1	731.5	42.9	43.2	44.6	52.6	Aug. 02 51.6	53.3	Sept. 02 86.6	Aug. 02 86.3	Sept. 01 84.3	Sept. 02 37.2	Aug. 02 37.0	Sept. 01 37.5
Mining	2.4	2.4	2.2	**	**	**	**	**	**	1.4	1.4	1.4	2.4	2.4	2.5
Construction	44.3	44.5	42.7	2.8	2.8	2.9	2.8	2.8	2.8	3.4	3.5	3.4	2.1	2.1	2.0
Manufacturing-Dur. Manufacturing-Nondur.	23.4	23.4	23.7	1.8	5.5	2.0	2.0	2.8	2.8	3.9	3.9	7.0	1.0	1.0	1.1
Trans., Comm. & Util.	34.3	34.3	36.4	2.0	2.0	1.9	2.8	2.8	3.0	3.5	3.4	3.6	1.7	1.7	1.7
Wholesale Trade	31.5	31.5	31.2	1.1	1.1	1.1	2.7	2.7	2.8	3.9	3.9	3.9	1.8	1.8	1.9
Retail Trade	144.1	144.8	146.2	8.4	8.5	8.8	10.7	10.8	11.1	19.1	19.0	19.1	7.6	7.6	7.8
Services	237.1	237.8	234.6	12.7	12.8	12.7	14.6	14.7	1.8	4.4	4.4	4.3	1.0	1.0	1.0
Federal Government	28.7	28.8	28.6	0.3	0.4	0.4	3.3	3.3	3.3	1.0	1.0	1.0	0.2	0.2	0.2
State Government	15.4	14.6	15.2	0.2	0.2	0.2	1.8	1.7	1.7	3.0	2.8	2.9	0.5	0.5	0.5
Local Government	91.0	85.9	88.5	5.2 WIC	5.1	5.5	6.3	5.2	6.2	7.9	7.6	7.7	6.1	5.8	6.0
INDUSTRY	Sent. '02	Ang. '02	Sent '01	Sent '02	Aug '02	LLS Sent '01	Tana							1	
TOTAL	100.2	98.5	101.4	59.8	59.2	60.3	In ac	cordance w	ith Bureau	of Labor 3	statistics (I	BLS) proce	dures, estin	mates	
Mining	**	**	**	1.0	1.0	1.0	produ	uced for the	e Goods Pro	oducing see	ctor and W	/holesale T	rade indust	try, beginn	ing
Construction	5.7	5.7	5.6	2.0	2.0	2.1	with t	the release	of the 2001	Benchman	k data, wi	ll incorpor	ate a new p	robability	-
Manufacturing-Dur.	63	63	8.1	0.0	0.0	0.5	based	d sample de	sign for the	e payroll su	irvey. The	e areas affe	ected by this	s change	
Trans., Comm. & Util.	4.4	4.4	4.5	2.7	2.6	2.7	inclu	de: Statewie	de, Austin-	San Marco	s MSA, Be	eaumont-Pe	ort Arthur	MSA, Cor	pus
Wholesale Trade	4.5	4.5	4.6	2.3	2.3	2.2	Chris	sti MSA, Da	allas MSA,	El Paso M	SA, Fort V	Worth-Arli	ington MSA	, Houston	
Retail Trade	17.9	18.0	18.1	12.0	11.8	12.0	MSA	, Odessa-M	lidland MS	A, San An	tonio MSA	, Tyler MS	SA and the	Waco MS	A.
Fin., Ins., & Real Est.	30.1	0.5	0.4	2.3	2.3	2.3									
Federal Government	3.5	3.5	3.5	2.6	2.6	2.6									
State Government	2.6	2.6	2.5	3.3	3.2	3.5									
Local Government	11.1	10.5	10.7	6.9	6.7	7.1									

Texas Metropolitan Statistical Areas Nonagricultural Wage and Salary Employment

\*Estimates for the current month are preliminary. All estimates are subject to revision. The number of nonagricultural jobs in the MSAs is without reference to place of residence of workers. \*\*Mining estimates are included in Construction estimates for these MSAs. Estimates of the TWC are in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor.

W O R K F O R C E C O M M I S S I O N LABOR MARKET INFORMATION DEPARTMENT www.texasworkforce.org/lmi

# "Ask the Expert"

# "What is the role of consumer confidence in the business cycle, and how does it affect the

## economy?" by Professor Jim Lee

Consumers play a major role in the economy. This is because consumer spending accounts for two-thirds of U.S. output. Since households' economic outlook affects their spending behavior, their expectations influence the direction of economic activity in the business cycle.

Consumer confidence, or optimism about the overall economy, is commonly referred to as "animal spirits" after a famous economist, John Maynard Keynes. Keynes asserted that the Great Depression of the 1930s was largely attributable to a collapse of public confidence, which led to dramatic declines in consumer and business spending.

Today, consumer confidence receives a great deal of media attention. Rising consumer confidence is widely interpreted as a precursor to higher future household spending. It is therefore a leading indicator of the overall economy. If consumers are more optimistic about the economy, they will tend to spend more, especially on durable goods and other large purchases. A higher overall demand for goods and services will subsequently lead to higher output and employment.

Higher consumer spending, however, may also lead to higher inflation. For this reason, the Federal Reserve, which seeks to maintain price stability, also pays close attention to changes in households' attitudes toward the economy. The Federal Reserve may raise interest rates in an effort to reduce any anticipated pressure on inflation. Since changes in interest rates affect financial markets, investors also watch closely any signs of change in consumer confidence.

The two most often cited measures of U.S. public confidence in the economy are the Confidence Board's Consumer Confidence Index and the University of Michigan's Consumer Sentiment Index. Both indexes are based on monthly surveys of a large sample of U.S. households. In particular, the Conference Board's survey asks about 5,000 households nationwide questions concerning the present and future business conditions, employment prospects, and income expectations.

The accompanying figure shows over the past 12 years the patterns of the Consumer Confidence Index and a key measure of economic activity—U.S. employment as a percentage of the labor force. The shaded areas represent periods of recession. Note that the two variables tend to move in tandem over the business cycles since 1990. First, both consumer confidence and employment declined during the 1990-91 recession. The recession ended officially in March 1991, but most people felt that bad economic times extended well into 1992. Indeed, the employment condition did not improve until the Consumer Confidence Index reversed its downward trend.

During the subsequent recovery in the 1990s, movements in employment also closely mirrored movements in the level of consumer confidence. After reaching a peak of 144.7 in January 2001, the confidence index fell precipitously. Two months later, the U.S. entered a recession as employment began to decline as well, along with lower spending by households and business firms.

The close correlation between the ups and downs in household sentiment and the ups and downs in economic activity, however, does not necessarily mean consumer confidence drives the economy. Such a relationship may also reflect that, for instance, rising employment and thus brighter economic prospects boost confidence among households, rather than the other way around. For this reason, the role of any measure of consumer confidence in forecasting business cycle turning points remains debatable. Nonetheless, the fact that consumer confidence and economic activity have generally moved in the same directions over the business cycle highlights the importance of household sentiment in understanding the present and future economic conditions.



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## Have a question for us?

If you have a question regarding labor markets, the economy, or anything related, please let us hear from you. All questions will be answered, with selected questions being featured in this section of the *Texas Labor Market Review*. Depending on the topic, questions will be answered by LMI staff or by guest "experts" from academia or government who have graciously volunteered their expertise.

## Continued from page 4

This shift in school enrollment tells us that over the past decade a large number of students in the primary school age bracket entered the education system. What are the implications? Expectations are that the demand for qualified teachers will remain high for primary and elementary grade levels. The slight reduction in the number of college graduates could result in a tight labor market for workers with college degrees.

### Language Spoken at Home

The Census Bureau also released information on the language spoken at home, from which some interesting observations can be made. For example, there are 5.8 percent fewer Texans who spoke only the English language at home from the 1990 Census to 2000. The 1990 Census reported that 25.4 percent (22.1 percent were Spanish speakers) of the population of persons age 5 and above spoke a language other than English at home. This percentage rose to 31.2 percent (27 percent were Spanish speakers) by 2000. This shows that Texas has a growing Hispanic population and the labor force has experienced a significant increase in the number of bilingual workers and students who will eventually enter the labor market.

### Summary

The Census long form data provided a detailed portrait of the Texas population and labor force. Texas' workers have increased in ratio of women to men; the labor force grew while the participation rate declined, possibly explaining worker shortages late in the decade. Services positioned itself as the leading industry in the state. The majority of new Texans migrated from other Southern states into Texas Metropolitan Statistical Areas. With over a 50 percent increase in people who commute from a different county to work, Texas realized a "suburban creep" in population, meaning more workers were willing to increase their driving distance to work to reside in lower-cost suburban areas. Advances in telecommunications and the acceptance of the Internet as a means of commerce led to an increase in the number of Texans working from home. A shift in school enrollment occurred as students transferred from the education system into the labor force. Texas experienced a surge in the number of students enrolled in primary school. And lastly, the data illustrated that Texas' Hispanic population grew along with the number of bilingual workers. The analysis of this Census data provided a clearer picture of the dynamic growth of Texas' diverse labor market over the past decade and its potential in the years to come.

\*The Census 2000 civilian labor force (CLF) figures are not comparable to the CLF figures produced monthly by the Labor Market Information Department of the Texas Workforce Commission due to methodological differences, including data collection and reference periods.

## "HAPPENINGS AROUND THE STATE"

## High Tech Business to Open in McAllen

MCALLEN, Tex. (McAllen Monitor-Stephen W. Spivey)—Jabil Global Services plans on opening a distribution center in November. The new firm, which provides technical support to companies that manufacture electronics, will employ 223 people. According to Stephanie Gitkin Hawk of the McAllen Economic Development Corporation, the new jobs will pay between \$7.50 and \$12 an hour. Jabil is headquartered in St. Petersburg, Fla. and employs about 17,00 worldwide. Jabil will be partnered with Seagate Technology, which repairs computer disks and tape drives in Reynosa, Mexico.

### Austin Airport Ranks as One of the Best Worldwide

AUSTIN, Tex. (Austin Business Journal-John Egan)—Austin-Bergstrom International Airport ranked second best in the world according to the J.D. Powers and Associates Global Airport Satisfaction Study. The airport was the only small airport, a classification that includes airports with less than 10 million annual passengers, which made the survey scoring 129 points behind only Singapore's Changi International Airport.

The average airport scored 100 according to Rick Bourdeau, senior research manager for J.D. Powers' airport practice. Bourdeau said, "Austin did very, very well. Compared to the other airports in the study it's a very high satisfaction score." Senior director of travel services at J.D. Powers, Michael Taylor added, "with its unique touches, such as live music and locally themed shops and restaurants, Austin passengers are enthusiastic about the design and services of that airport."

### **Rubbermaid Plant to Expand**

GREENVILLE, Tex. (Wright Review: Texas Business Report)—A \$26.8 million dollar expansion in the Rubbermaid Home Products plant in Greenville should mean an additional 32 employees in 2003. Rubbermaid will launch a new product from the plant, which currently employs 670, making Greenville the single-source manufacturer and distributor for the new plastic goods. This is the sixth significant expansion for Rubbermaid during its 20 years in the 800-acre Greenville Industrial Park.

## New 14-Story Hotel Planned for Downtown San Antonio

SAN ANTONIO, Tex. (San Antonio Business Journal-W. Scott Bailey)—La Quinta Corp. plans to build a 300 room, 14-story hotel just north of their current downtown location. La Quinta Executive Vice President Alan Tallis says, "The downtown area of San Antonio is a vibrant hotel market." Construction on the new hotel, located between the Alamodome and Rivercenter Mall, is scheduled to begin in early 2003. Tallis says the current 24-year-old property will eventually be razed to make room for additional parking and other uses.

### **Oilrig Plant to Add More Jobs**

ARANSAS PASS, Tex (Wright Review: Texas Business Report)—A new production line for offshore oilrigs by Gulf Marine Fabricators could add more than 700 jobs in the next few years. Around 170 new workers have been added since January of this year on the existing production line and 160 more new employees will be needed by the end of the year to start work on the offshore oilrig hull designs. The Paris-based Technip Offshore Inc. currently employs 869 people at yards in Aransas Pass, Ingleside and Refugio.

## Unemployment Rates by County September 2002



## Texas Labor Market Review Labor Market Information



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