

Economic Outlook

1994

ECONOMIC DEVELOPMENT
TENNESSEE VALLEY AUTHORITY

Summary Outline and Statistical Tables

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Economic Outlook

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TENNESSEE VALLEY AUTHORITY

Summary Outline and Statistical Tables

This report presents a summary outline of TVA's 1994 Economic Outlook and detailed statistical tables on the corresponding economic forecasts. Comments and suggestions are welcome. Please contact:
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Summary & Tables--Contents

1994

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THE 1994 LONG-TERM ECONOMIC OUTLOOK: SUMMARY OUTLINE

The Tennessee Valley¹ economy is heavily influenced by the national economy. However, the relation is not a straightforward translation of national trends since the region's economic structure differs from that of the U.S. The region is considerably more rural and has a much greater dependence on manufacturing than the nation.

Given the factors below, the expected outlook is for the region to continue to outperform the nation. Gross regional product (GRP) is forecasted to grow 3.9 percent annually from 1993 to 2000 and 2.5 percent from 2000 to 2015 while national gross domestic product (GDP) is expected to grow at 2.6 and 1.9 percent over the respective periods. Regional per capita income is expected to continue to converge towards the national average, but at a slower rate in the long term than has been the case in recent history.

REGIONAL ECONOMIC FACTORS

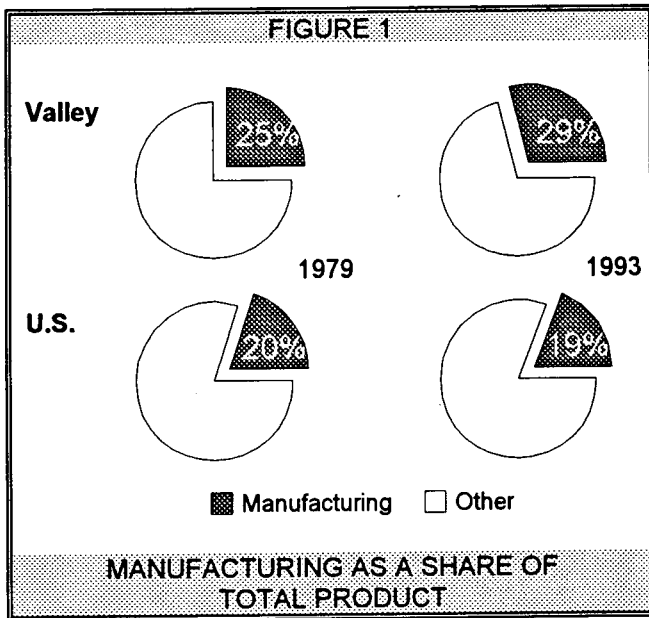
MANUFACTURING'S ROLE IN THE REGIONAL ECONOMY

The region's economy is more dependent on manufacturing than the nation's. In 1993, about 29 percent of total product in the region was in manufacturing as compared to 19 percent for the U.S. The trends over time have also been different between the region and the U.S. The national share of manufacturing product represents a decline from its 20 percent share in 1979, while the region's share increased from a 25 percent share in that year. (See Figure 1 following.)

The region has comparative advantages for manufacturing that have helped it in the past and will continue to help it in the future. These include:

- a location in the South between the major markets of the Northeast, the Midwest, the Southwest, and Florida;
- a good transportation system to ship goods to these markets--interstate, rail, and barge;
- a good low-wage (for the U.S.), non-union workforce; and
- relatively low-cost abundant resources including water and land.

¹The Tennessee Valley consists of all of Tennessee and parts of the surrounding states of Alabama, Georgia, Kentucky, Mississippi, North Carolina, and Virginia.



The region is holding on to nondurables manufacturing better than the U.S. as a whole, even though many of the industries in this sector are experiencing long-term employment declines. At the same time, the region is developing a durables manufacturing sector that is still growing and maturing as compared to the nation. This is especially true of the region's auto-related manufacturing.

THE REGION'S COMMERCIAL SECTOR²

Although the Valley has a comparative advantage for manufacturing, it generally does not in the private commercial sector. While it has been experiencing commercial sector growth, this has been mainly in the areas of internal regional consumer and business support services. Export services--services where the income earned comes in large part from outside the region (for instance, tourism)--have been growing, but lag the national average.

NATIONAL AND INTERNATIONAL FACTORS

WORLDWIDE COMPETITION

The U.S. economy has greatly opened up to the world markets and competition with foreigners has

²The private commercial sector consist of a broad grouping of industries: transportation, communications, public utilities, trade, finance, insurance, real estate, and services.

intensified. Both imports and exports as a percent of gross domestic product (GDP) have about doubled in the past two decades.

Exports and imports are expected to come close to doubling their shares of GDP again in the next two decades. The value of the dollar is expected to remain relatively low and stable overall allowing the U.S. to expand exports to growing Third World markets and to compete with imports at home.

Although the Valley is not a major exporter, exports from the Valley are expected to increase along with those of the nation as a whole.

The Valley is very vulnerable to competition from imports. While less than 6 percent of the nation's total manufacturing employees worked in the 50 most vulnerable industries, almost two and one-half times that number (14 percent) were so employed in the Valley. Because of this, regional manufacturing was hurt by the sharp rise in the value of the dollar in the mid-1980s. The dollar's value has since dropped, increasing the regional industries' international competitiveness. Some Valley industries--such as apparel--will nevertheless continue to lose out to lower cost imports; however, with the value of the dollar expected to remain relatively low in the future, this will allow Valley industries overall to remain competitive.

Trends towards fewer trade barriers will increase competition further. There is considerable debate as to what the probable impacts of the North American Free Trade Agreement (NAFTA) and other trade agreements will be. Although overall net effects on the regional economy are expected to be small, some industry mix shifts are expected. There is uncertainty about this, however. The region does have considerable low-wage manufacturing which is potentially threatened. Likewise, the region produces goods, such as capital equipment, that potentially can greatly benefit.

NATIONAL DEMAND

The current highly competitive business environment is expected to be maintained in the future. Businesses will hold down labor costs as much as possible, and downsizing and relatively slow wage growth will persist. The cutbacks in defense are also expected to continue to have a dampening effect on employment over the rest of the decade.

However, lower labor costs combined with continued investment by industry are expected to help to increase productivity and national competitiveness as they have over the recent past. Overall gross domestic product (GDP) for the nation is expected to see faster growth over the rest of the decade. This national growth implies a healthy rate of growth of demand for the region's products.

Over the longer term, GDP growth--which is a function of productivity and employment/labor force growth--is expected to slow. Labor force growth is expected to slow as the rise in labor force participation, especially by women, and population growth are expected to be slower in the future. Employment growth is expected to follow labor force growth so that an unemployment rate of close to 6 percent is maintained, with historically slower income growth. Although somewhat faster productivity increases are expected than over the past couple of decades as businesses continue to invest, these are not enough to make up for the slower employment/labor force growth. A slowing national growth rate means a slowing growth rate of demand for the region's products.

INTEREST RATES AND INFLATION

Inflation, which was dampened considerably by the recession and the sluggish recovery, is expected to rise somewhat from current low levels but remain well in control because of several factors. The Fed continues to show that inflation is its foremost concern. Investment will be adding to capacity to keep utilization at non-inflationary levels. Businesses will continue to minimize their costs and workforces due to competitive pressures, constraining wage growth. Even health care costs have shown some restraint, and reform is expected to help curb costs in the long term.

With lower inflation, interest rates came down considerably in 1993. Although the Federal Reserve has increased short term rates and long term rates have increased even more, they still remain low enough to not stifle the nation's economic growth. Inflation is expected to remain relatively low in the future and will help to keep long term interest rates down. However, factors such as the Federal budget deficit and the worldwide demand for capital investment will tend to

put upward pressure on rates. Overall, long term rates are expected to stay at around current levels.

ENERGY PRICES

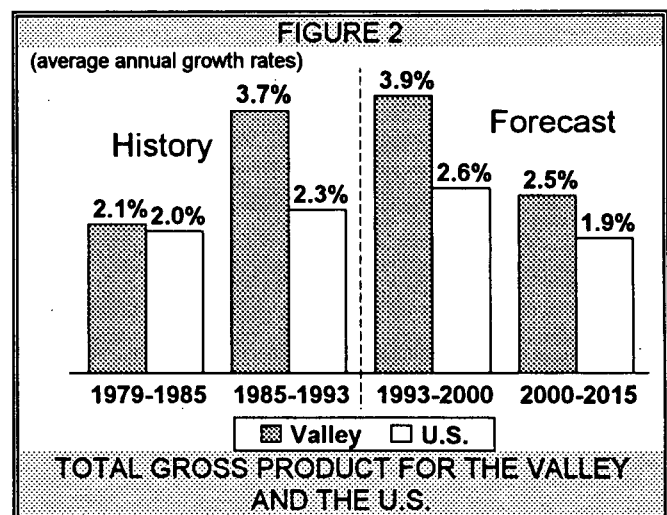
Since 1973, energy prices have been a major influence on inflation and the overall economy. All the recessions in the past two decades have had some relation to sharp increases in energy (oil) prices.

Looking at the long term trends, however, oil supplies appear plentiful, especially with increased supply from Kuwait and Iraq. With the breakup of the Soviet Union, the considerable oil resources to be found in this part of the world will be introduced into the world oil markets. Thus, slowly rising oil prices are expected to hold in the outlook, and this will greatly help to moderate energy price increases.

THE ECONOMIC FORECAST

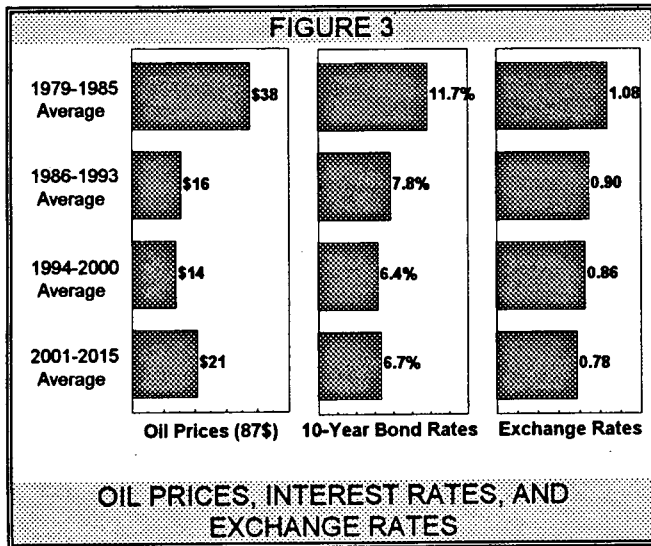
THE FORECAST OVER THE REST OF THE DECADE

Because of the region's comparative advantages for manufacturing and that sector's large role in the regional economy, the region will outperform the U.S. given national conditions that are favorable to manufacturing. As seen in Figure 2 below, the Valley has enjoyed good growth since 1985.



This growth has been due to the expansion of national demand and to the reversal of certain factors that adversely affected manufacturing in the early to

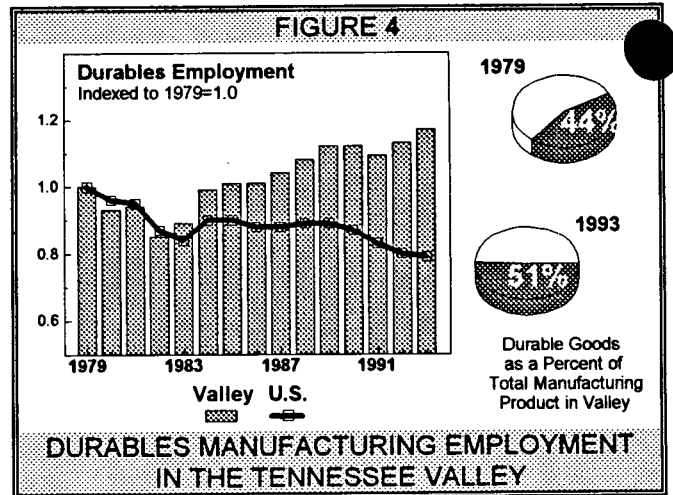
mid 1980s. Three main factors that caused slow growth back then were exceptionally high oil/energy prices, interest rates, and foreign exchange rates. (See Figure 3 below.)



The high oil/energy prices during that period greatly affected the costs of industries, especially energy intensive ones. High interest rates also cut back demand for the region's construction-related manufacturing, such as carpets, and durable goods (goods which last three or more years, such as appliances). The high value of the dollar caused the region's products to be less competitive relative to foreign goods. These factors have returned to relatively lower levels and are expected to remain relatively low, setting up favorable conditions for regional manufacturing growth.

The forecast reflects not only relatively favorable national conditions for manufacturing, but also what is occurring within the region's manufacturing. Durables manufacturing, with the bulk of newer industries that are expanding in the Valley, has been growing, both in levels and as a share of overall manufacturing. (See Figure 4 following.)

Although there are several examples of newer durables industries that are growing in the Valley such as machineries and furniture, the prime example is motor vehicles. Motor vehicles employment has grown much faster in the region than the nation over the past decade. This is still a very new industry in the Valley and is still a small part (less than 4 percent) of the national industry with considerable potential for continuing expansion in the Valley.



This industry has done especially well in the last few years. Relatively lower interest rates have helped the demand for autos. More importantly, the lower value of the dollar has made autos and parts produced in the region highly competitive with imports. While Nissan is laying off workers in Japan, for example, it has been expanding in the Valley. Further, Nissan, along with other Japanese firms, is using more and more parts made in the region as opposed to those imported. This is a trend we can expect to continue.

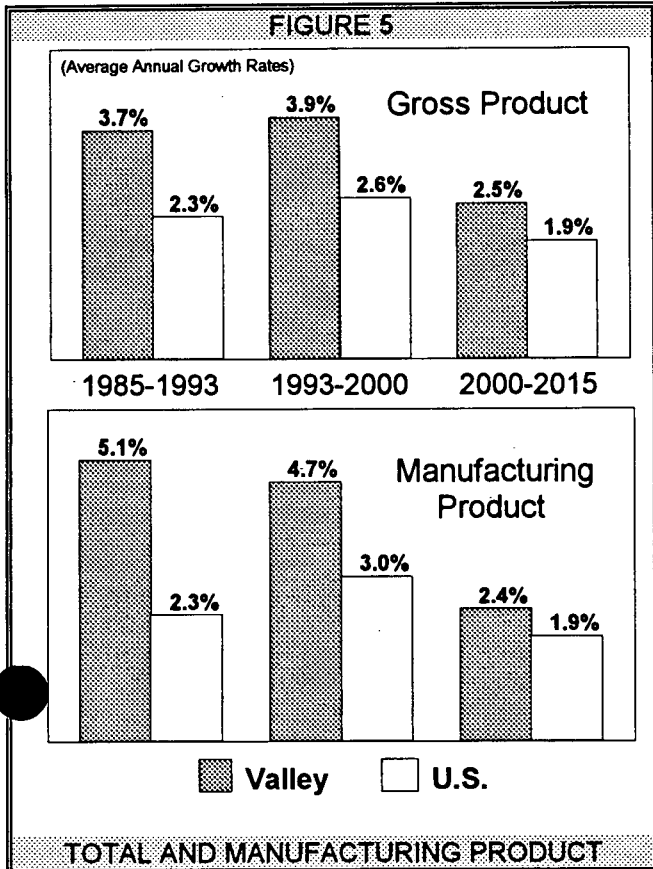
Two other factors that have been helping the Valley's position relative to the nation are electricity rates and defense.

The Valley has enjoyed relatively low and stable electric rates for the past few years which have contributed to the increased competitiveness of the Valley's manufacturing industries. Electric rates are expected to become even more competitive versus the U.S. average in the future.

The Valley only marginally shared in the big defense buildup of the 1980s which led other regions of the country to strong growth, especially California and New England. Although this was a relative detriment to the Valley's growth over this period, it will benefit the Valley in the future as the retrenchment of defense continues over the decade. However, just like the Valley was not disproportionately helped by the defense buildup, it will not be disproportionately hurt by the cutback.

All of these factors have contributed to the Valley's better than national performance and are expected to continue to do so in the future. Over the rest of the decade, the Valley's performance is expected to be

similar to that over the 1985-1993 period as the Valley's newer manufacturing industries continue to develop and expand further and national influences remain similar to those in the historical period. (See Figure 5 below.)



THE FORECAST AFTER 2000

As these trends continue into the future, the region's manufacturing will continue to dominate and lead the region's economy, although without being the engine of job growth that it was in the past. As the durables industries begin to mature by the end of the century, the region will see long-term manufacturing employment declines similar to those in the nation.

As manufacturing takes a less significant role in the region's employment picture, the private commercial sector will gain a more prominent role and become more like the national sector. However, the Valley's commercial sector is expected to remain highly dependent on the income generated by the Valley's manufacturing.

The government sector will decline as a share of the total in both the region and the U.S. reflecting public

sentiment for restraint in public service growth in exchange for tax constraint.

Regional population is expected to grow between 2000 and 2015 at about 0.8 percent per year, approximately matching national population growth. However, the Valley's labor force faces considerable problems despite strong labor force growth and the healthy recovery the region is currently experiencing. Workers will continue to be displaced as employment shifts from manufacturing to services and from declining to growing manufacturing industries. The region's education and skills gaps relative to national averages (as indicated by statistics such as a lower average level of regional educational attainment) will also hinder the efforts of the region's unemployed workers to find new jobs for which they are qualified.

Thus, although the manufacturing intensiveness of the region is expected to continue to provide enough impetus for the region to expand at a somewhat faster rate than the U.S., the region's growth is expected to slow considerably as the Valley's newer manufacturing industries reach maturity. The Valley does not have particular advantages for services as it does for manufacturing. As seen in Figure 5, with the slowing down of growth in manufacturing, the whole regional economy is expected to slow.

UNCERTAINTIES

To account for uncertainty, high and low economic forecasts are derived by using national high and low economic forecasts and the TVA low and high electricity price forecasts, respectively. In addition, explicit assumptions are made as to possible events that are not considered most likely but are feasible developments from emerging historical events. In the high scenario, the assumption is made that the region will develop a commercial sector that more closely matches that of the nation. Likewise in the low scenario, the assumption is made that the Valley is more affected by foreign competition (such as NAFTA) and that the commercial sector does not develop further.

Further, the long-term forecast is based on trend growth; that is, it reflects the average path of the economy. The real path will cycle around the average path, however. Because of the region's continued reliance on manufacturing, it is expected that the

regional economy will continue to be more volatile than the nation's during business cycles. Interest rates, oil prices, and foreign exchange rates have all seriously affected the regional economy in the past. These are expected to continue to be volatile and have cyclical effects on the Valley economy. However, fluctuations of all of these factors are expected to be more moderate in the future than what occurred in the early to mid 1980s period. Should greater than expected variations in these factors occur in intensity and duration, these may cause the region's growth to be higher or lower than expected depending on whether the factors are favorable or unfavorable to the regional economy.

Finally, implicit in the expected regional economic forecast summarized above is the continuation of certain trends in the development of the Valley's economic capacity. As mentioned, the region's manufacturing base will continue to face an environment of difficult domestic and international competition. To compete, industries will need continued investment in modern automated machinery to improve productivity. Labor force education and training must also continue to be enhanced to prepare workers to use new automated equipment and perform the higher-skill jobs of the future. Roads, waste management systems, and other infrastructure must also expand to support the economic growth. Again, significant variations from trends would lead to higher or lower Valley economic growth than expected.

Economic Outlook Tables

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STATISTICAL TABLES

LONG-TERM FORECASTS

The regional control economic forecast presented in this section was completed in January 1994. It is based on DRI/McGraw-Hill's national economic forecast as reported in the January 1994 Review of the U.S. Economy. The high and low regional forecasts were completed in March 1994. They are based on DRI's high and low national forecasts as reported in the Winter 1993-1994 Review of the U.S. Economy.

The peak years 1969, 1979, and 1989 were chosen as historical benchmarks for these tables because growth rates between them are representative of long-term trends.

Table A.1
Selected Indicators for the United States
Long-Term Trends, History, and Forecast

Year	GDP Deflator			Personal Consumption Expenditure Deflator			Consumer Price Index		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	0.33	0.33	0.33	0.34	0.34	0.34	0.37	0.37	0.37
1979	0.66	0.66	0.66	0.65	0.65	0.65	0.73	0.73	0.73
1989	1.09	1.09	1.09	1.09	1.09	1.09	1.24	1.24	1.24
2000	1.49	1.42	1.66	1.57	1.50	1.74	1.81	1.73	2.01
2005	1.75	1.60	2.13	1.88	1.71	2.28	2.20	2.00	2.66
2010	2.08	1.82	2.76	2.24	1.95	2.97	2.65	2.31	3.49
2015	2.47	2.06	3.55	2.67	2.21	3.83	3.17	2.65	4.51

Average Annual Growth Rates

1969-1979	7.0%	7.0%	7.0%	6.6%	6.6%	6.6%	7.1%	7.1%	7.1%
1979-1989	5.2%	5.2%	5.2%	5.4%	5.4%	5.4%	5.4%	5.4%	5.4%
1989-2000	2.9%	2.5%	3.9%	3.4%	2.9%	4.3%	3.5%	3.1%	4.5%
1989-2010	3.2%	2.5%	4.5%	3.5%	2.8%	4.9%	3.7%	3.0%	5.0%
1989-2015	3.2%	2.5%	4.7%	3.5%	2.7%	4.9%	3.7%	3.0%	5.1%
2000-2015	3.4%	2.5%	5.2%	3.6%	2.6%	5.4%	3.8%	2.9%	5.5%

Year	Consumer Price Index (Excluding Food & Energy)			Producer Price Index			Producer Price Index (Industrial Commodities)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	0.38	0.38	0.38	0.38	0.38	0.38	0.34	0.34	0.34
1979	0.72	0.72	0.72	0.78	0.78	0.78	0.76	0.76	0.76
1989	1.29	1.29	1.29	1.14	1.14	1.14	1.12	1.12	1.12
2000	1.92	1.83	2.12	1.52	1.44	1.70	1.43	1.36	1.60
2005	2.32	2.12	2.79	1.83	1.64	2.25	1.72	1.55	2.12
2010	2.80	2.45	3.66	2.19	1.87	2.94	2.08	1.77	2.79
2015	3.36	2.81	4.75	2.59	2.10	3.76	2.46	1.99	3.56

Average Annual Growth Rates

1969-1979	6.5%	6.5%	6.5%	7.4%	7.4%	7.4%	8.4%	8.4%	8.4%
1979-1989	6.0%	6.0%	6.0%	3.9%	3.9%	3.9%	3.9%	3.9%	3.9%
1989-2000	3.6%	3.2%	4.6%	2.7%	2.2%	3.7%	2.3%	1.8%	3.4%
1989-2010	3.8%	3.1%	5.1%	3.2%	2.4%	4.6%	3.0%	2.2%	4.5%
1989-2015	3.7%	3.0%	5.1%	3.2%	2.4%	4.7%	3.1%	2.2%	4.6%
2000-2015	3.8%	2.9%	5.5%	3.6%	2.6%	5.4%	3.7%	2.6%	5.5%

Table A.1
Selected Indicators for the United States
Long-Term Trends, History, and Forecast

Year	Federal Funds Rate			Prime Rate (4-6 Months)			3-Month Treasury Bills		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	8.2%	8.2%	8.2%	8.0%	8.0%	8.0%	6.7%	6.7%	6.7%
1979	11.2%	11.2%	11.2%	12.7%	12.7%	12.7%	10.1%	10.1%	10.1%
1989	9.2%	9.2%	9.2%	10.9%	10.9%	10.9%	8.1%	8.1%	8.1%
2000	5.2%	4.0%	7.0%	7.0%	5.7%	8.9%	4.7%	3.4%	6.2%
2005	5.2%	4.0%	6.9%	7.0%	5.6%	8.8%	4.6%	3.3%	6.1%
2010	5.0%	3.8%	6.8%	6.8%	5.5%	8.7%	4.4%	3.1%	5.9%
2015	4.8%	3.6%	6.6%	6.7%	5.3%	8.6%	4.2%	2.9%	5.8%
Average Rate Over Period									
1969-1979	7.2%	7.2%	7.2%	8.1%	8.1%	8.1%	6.3%	6.3%	6.3%
1979-1989	10.1%	10.1%	10.1%	11.9%	11.9%	11.9%	8.9%	8.9%	8.9%
1989-2000	5.0%	4.4%	5.7%	7.2%	6.7%	8.0%	4.6%	4.0%	5.2%
1989-2010	5.1%	4.2%	6.2%	7.1%	6.2%	8.3%	4.6%	3.7%	5.6%
1989-2015	5.0%	4.1%	6.3%	7.0%	6.0%	8.4%	4.5%	3.5%	5.6%
2000-2015	5.1%	3.8%	6.8%	6.9%	5.5%	8.7%	4.5%	3.2%	6.0%
Year	10-Year Treasury Bonds			30-Year Treasury Bonds*			30-Year Fixed Mortgage Rate		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	6.7%	6.7%	6.7%	N/A	N/A	N/A	7.8%	7.8%	7.8%
1979	9.4%	9.4%	9.4%	9.3%	9.3%	9.3%	10.8%	10.8%	10.8%
1989	8.5%	8.5%	8.5%	8.4%	8.4%	8.4%	10.1%	10.1%	10.1%
2000	6.9%	5.6%	8.9%	7.2%	5.8%	9.2%	8.2%	7.0%	9.9%
2005	6.9%	5.5%	8.9%	7.1%	5.7%	9.2%	8.2%	7.0%	9.9%
2010	6.7%	5.3%	8.7%	6.8%	5.4%	8.9%	8.0%	6.8%	9.7%
2015	6.4%	5.0%	8.5%	6.6%	5.1%	8.6%	7.8%	6.6%	9.5%
Average Rate Over Period									
1969-1979	7.4%	7.4%	7.4%	2.3%	2.3%	2.3%	8.7%	8.7%	8.7%
1979-1989	10.5%	10.5%	10.5%	10.4%	10.4%	10.4%	11.7%	11.7%	11.7%
1989-2000	6.9%	6.3%	7.6%	7.2%	6.6%	7.9%	8.2%	7.7%	8.7%
1989-2010	6.8%	5.9%	8.2%	7.1%	6.1%	8.4%	8.1%	7.3%	9.2%
1989-2015	6.8%	5.8%	8.2%	7.0%	6.0%	8.5%	8.1%	7.2%	9.3%
2000-2015	6.7%	5.4%	8.8%	6.9%	5.5%	9.0%	8.0%	6.8%	9.7%

* 30-Year Treasury Bonds were first issued in June, 1977.

Table A.1
Selected Indicators for the United States
Long-Term Trends, History, and Forecast

Year	Car Sales (Millions)			Housing Starts (Millions)			Federal Budget Surplus (Billions)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	9.58	9.58	9.58	1.49	1.49	1.49	\$5.4	\$5.4	\$5.4
1979	10.56	10.56	10.56	1.72	1.72	1.72	-\$28.4	-\$28.4	-\$28.4
1989	9.91	9.91	9.91	1.38	1.38	1.38	-\$155.0	-\$155.0	-\$155.0
2000	9.55	9.92	9.05	1.42	1.73	1.08	-\$248.6	-\$170.2	-\$305.8
2005	9.56	10.18	8.80	1.46	1.81	1.12	-\$319.7	-\$165.2	-\$411.7
2010	9.77	10.74	8.67	1.60	2.01	1.21	-\$392.1	-\$167.3	-\$509.9
2015	9.81	11.14	8.40	1.63	2.08	1.20	-\$491.2	-\$133.9	-\$685.0

Average Annual Growth Rates

1969-1979	1.0%	1.0%	1.0%	1.5%	1.5%	1.5%	18.0%	18.0%	18.0%
1979-1989	-0.6%	-0.6%	-0.6%	-2.1%	-2.1%	-2.1%	18.5%	18.5%	18.5%
1989-2000	-0.3%	0.0%	-0.8%	0.2%	2.0%	-2.2%	4.4%	0.9%	6.4%
1989-2010	-0.1%	0.4%	-0.6%	0.7%	1.8%	-0.6%	4.5%	0.4%	5.8%
1989-2015	0.0%	0.5%	-0.6%	0.6%	1.6%	-0.5%	4.5%	-0.6%	5.9%
2000-2015	0.2%	0.8%	-0.5%	0.9%	1.2%	0.7%	4.6%	-1.6%	5.5%

Year	U.S. Dollar Exchange Rate			Exports (Billions 1987 \$)			Price/Barrel of Foreign Crude Oil		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	1.15	1.15	1.15	\$147.8	\$147.8	\$147.8	\$3.03	\$3.03	\$3.03
1979	0.91	0.91	0.91	\$293.6	\$293.6	\$293.6	\$21.53	\$21.53	\$21.53
1989	0.91	0.91	0.91	\$471.8	\$471.8	\$471.8	\$18.07	\$18.07	\$18.07
2000	0.83	0.85	0.81	\$938.0	\$980.2	\$895.6	\$24.89	\$22.71	\$28.85
2005	0.79	0.82	0.75	\$1,273.3	\$1,374.1	\$1,172.5	\$35.81	\$30.31	\$45.81
2010	0.76	0.81	0.71	\$1,603.3	\$1,784.6	\$1,421.8	\$50.61	\$39.50	\$70.80
2015	0.75	0.81	0.68	\$1,866.9	\$2,141.2	\$1,592.0	\$65.14	\$46.54	\$98.95

Average Annual Growth Rates

1969-1979	-2.3%	-2.3%	-2.3%	7.1%	7.1%	7.1%	21.7%	21.7%	21.7%
1979-1989	0.1%	0.1%	0.1%	4.9%	4.9%	4.9%	-1.7%	-1.7%	-1.7%
1989-2000	-0.9%	-0.6%	-1.1%	6.4%	6.9%	6.0%	3.0%	2.1%	4.3%
1989-2010	-0.8%	-0.5%	-1.2%	6.0%	6.5%	5.4%	5.0%	3.8%	6.7%
1989-2015	-0.8%	-0.5%	-1.1%	5.4%	6.0%	4.8%	5.1%	3.7%	6.8%
2000-2015	-0.7%	-0.3%	-1.1%	4.7%	5.3%	3.9%	6.6%	4.9%	8.6%

Table A.2
Selected Indicators for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Nonfarm Payroll Employment			Income (1987 \$)			Income (Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	1,871.3	1,871.3	1,871.3	\$48,057	\$48,057	\$48,057	\$16,375	\$16,375	\$16,375
1979	2,549.7	2,549.7	2,549.7	\$74,027	\$74,027	\$74,027	\$47,877	\$47,877	\$47,877
1989	3,116.7	3,116.7	3,116.7	\$94,620	\$94,620	\$94,620	\$103,396	\$103,396	\$103,396
2000	4,029.4	4,294.7	3,704.9	\$131,267	\$139,982	\$121,287	\$206,132	\$209,461	\$211,648
2005	4,280.7	4,812.3	3,706.1	\$142,820	\$161,372	\$124,408	\$267,842	\$275,612	\$283,177
2010	4,577.2	5,450.5	3,710.1	\$158,322	\$191,658	\$128,570	\$355,173	\$373,573	\$381,405
2015	4,817.3	6,039.5	3,688.9	\$175,327	\$225,778	\$134,008	\$467,640	\$498,518	\$513,168

Average Annual Growth Rates

1969-1979	3.1%	3.1%	3.1%	4.4%	4.4%	4.4%	11.3%	11.3%	11.3%
1979-1989	2.0%	2.0%	2.0%	2.5%	2.5%	2.5%	8.0%	8.0%	8.0%
1989-2000	2.4%	3.0%	1.6%	3.0%	3.6%	2.3%	6.5%	6.6%	6.7%
1989-2010	1.8%	2.7%	0.8%	2.5%	3.4%	1.5%	6.1%	6.3%	6.4%
1989-2015	1.7%	2.6%	0.7%	2.4%	3.4%	1.3%	6.0%	6.2%	6.4%
2000-2015	1.2%	2.3%	0.0%	1.9%	3.2%	0.7%	5.6%	6.0%	6.1%

United States

Year	Nonfarm Payroll Employment			Income (1987 \$)			Income (Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	70.4	70.4	70.4	\$2,270.6	\$2,270.6	\$2,270.6	\$773.7	\$773.7	\$773.7
1979	89.8	89.8	89.8	\$3,143.6	\$3,143.6	\$3,143.6	\$2,033.1	\$2,033.1	\$2,033.1
1989	107.9	107.9	107.9	\$4,008.5	\$4,008.5	\$4,008.5	\$4,380.3	\$4,380.3	\$4,380.3
2000	125.2	127.3	122.6	\$5,025.2	\$5,132.7	\$4,913.8	\$7,891.1	\$7,680.3	\$8,574.7
2005	133.2	136.5	129.7	\$5,476.5	\$5,682.5	\$5,279.1	\$10,270.4	\$9,705.3	\$12,016.2
2010	140.5	145.6	135.2	\$5,993.2	\$6,352.6	\$5,639.0	\$13,444.8	\$12,382.2	\$16,728.1
2015	146.6	153.7	139.2	\$6,570.3	\$7,120.5	\$6,026.0	\$17,524.5	\$15,722.0	\$23,075.9

Average Annual Growth Rates

1969-1979	2.5%	2.5%	2.5%	3.3%	3.3%	3.3%	10.1%	10.1%	10.1%
1979-1989	1.8%	1.8%	1.8%	2.5%	2.5%	2.5%	8.0%	8.0%	8.0%
1989-2000	1.4%	1.5%	1.2%	2.1%	2.3%	1.9%	5.5%	5.2%	6.3%
1989-2010	1.3%	1.4%	1.1%	1.9%	2.2%	1.6%	5.5%	5.1%	6.6%
1989-2015	1.2%	1.4%	1.0%	1.9%	2.2%	1.6%	5.5%	5.0%	6.6%
2000-2015	1.1%	1.3%	0.8%	1.8%	2.2%	1.4%	5.5%	4.9%	6.8%

PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table A.2
Selected Indicators for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Population (Thousands)			Per Capita Income (1987 \$)			Per Capita Income (Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	5,843.9	5,843.9	5,843.9	\$8,223	\$8,223	\$8,223	\$2,802	\$2,802	\$2,802
1979	6,778.6	6,778.6	6,778.6	\$10,921	\$10,921	\$10,921	\$7,063	\$7,063	\$7,063
1989	7,219.9	7,219.9	7,219.9	\$13,105	\$13,105	\$13,105	\$14,320	\$14,320	\$14,320
2000	8,075.5	8,262.6	7,900.6	\$16,255	\$16,942	\$15,352	\$25,526	\$25,351	\$26,790
2005	8,410.9	8,799.4	8,024.5	\$16,980	\$18,339	\$15,504	\$31,844	\$31,322	\$35,290
2010	8,762.7	9,375.9	8,117.6	\$18,068	\$20,442	\$15,838	\$40,533	\$39,845	\$46,984
2015	9,118.2	10,009.6	8,231.2	\$19,228	\$22,556	\$16,280	\$51,286	\$49,804	\$62,342

Average Annual Growth Rates

1969-1979	1.5%	1.5%	1.5%	2.9%	2.9%	2.9%	9.7%	9.7%	9.7%
1979-1989	0.6%	0.6%	0.6%	1.8%	1.8%	1.8%	7.3%	7.3%	7.3%
1989-2000	1.0%	1.2%	0.8%	2.0%	2.4%	1.4%	5.4%	5.3%	5.9%
1989-2010	0.9%	1.3%	0.6%	1.5%	2.1%	0.9%	5.1%	5.0%	5.8%
1989-2015	0.9%	1.3%	0.5%	1.5%	2.1%	0.8%	5.0%	4.9%	5.8%
2000-2015	0.8%	1.3%	0.3%	1.1%	1.9%	0.4%	4.8%	4.6%	5.8%

United States

Year	Population (Millions)*			Per Capita Income (1987 \$)			Per Capita Income (Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	203.0	203.0	203.0	\$11,195	\$11,195	\$11,195	\$3,815	\$3,815	\$3,815
1979	225.4	225.4	225.4	\$13,958	\$13,958	\$13,958	\$9,027	\$9,027	\$9,027
1989	247.7	247.7	247.7	\$16,185	\$16,185	\$16,185	\$17,686	\$17,686	\$17,686
2000	275.6	279.3	271.6	\$18,232	\$18,378	\$18,091	\$28,630	\$27,500	\$31,569
2005	287.1	293.8	279.9	\$19,074	\$19,344	\$18,859	\$35,771	\$33,038	\$42,927
2010	298.9	308.7	288.3	\$20,049	\$20,577	\$19,558	\$44,977	\$40,108	\$58,019
2015	311.2	324.3	297.0	\$21,113	\$21,956	\$20,287	\$56,314	\$48,479	\$77,687

Average Annual Growth Rates

1969-1979	1.1%	1.1%	1.1%	2.2%	2.2%	2.2%	9.0%	9.0%	9.0%
1979-1989	0.9%	0.9%	0.9%	1.5%	1.5%	1.5%	7.0%	7.0%	7.0%
1989-2000	1.0%	1.1%	0.8%	1.1%	1.2%	1.0%	4.5%	4.1%	5.4%
1989-2010	0.9%	1.1%	0.7%	1.0%	1.1%	0.9%	4.5%	4.0%	5.8%
1989-2015	0.9%	1.0%	0.7%	1.0%	1.2%	0.9%	4.6%	4.0%	5.9%
2000-2015	0.8%	1.0%	0.6%	1.0%	1.2%	0.8%	4.6%	3.9%	6.2%

*The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are included in the total. Heretofore, the data reflected only the nation's resident population.

Table A.2
Selected Indicators for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Households (Thousands)			Gross Regional Product (Millions of 1987 \$)			Gross Regional Product (Millions of Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	1,776.4	1,776.4	1,776.4	\$59,088	\$59,088	\$59,088	\$19,750	\$19,750	\$19,750
1979	2,373.2	2,373.2	2,373.2	\$85,667	\$85,667	\$85,667	\$56,155	\$56,155	\$56,155
1989	2,708.6	2,708.6	2,708.6	\$113,922	\$113,922	\$113,922	\$123,662	\$123,662	\$123,662
2000	3,075.1	3,155.4	3,003.7	\$168,522	\$184,233	\$150,356	\$250,813	\$261,775	\$248,659
2005	3,247.7	3,415.7	3,088.4	\$190,018	\$224,142	\$156,228	\$332,455	\$358,071	\$332,117
2010	3,429.6	3,698.1	3,160.6	\$217,234	\$279,225	\$162,748	\$450,985	\$505,732	\$447,427
2015	3,611.5	4,006.3	3,235.4	\$243,242	\$337,794	\$167,432	\$598,105	\$692,022	\$592,016
Average Annual Growth Rates									
1969-1979	2.9%	2.9%	2.9%	3.8%	3.8%	3.8%	11.0%	11.0%	11.0%
1979-1989	1.3%	1.3%	1.3%	2.9%	2.9%	2.9%	8.2%	8.2%	8.2%
1989-2000	1.2%	1.4%	0.9%	3.6%	4.5%	2.6%	6.6%	7.1%	6.6%
1989-2010	1.1%	1.5%	0.7%	3.1%	4.4%	1.7%	6.4%	6.9%	6.3%
1989-2015	1.1%	1.5%	0.7%	3.0%	4.3%	1.5%	6.2%	6.8%	6.2%
2000-2015	1.1%	1.6%	0.5%	2.5%	4.1%	0.7%	6.0%	6.7%	6.0%

Year	United States								
	Households (Millions)			Gross Domestic Product (Billions of 1987 \$)			Gross Domestic Product (Billions of Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	62.2	62.2	62.2	\$2,873.0	\$2,873.0	\$2,873.0	\$959.5	\$959.5	\$959.5
1979	78.8	78.8	78.8	\$3,796.8	\$3,796.8	\$3,796.8	\$2,488.7	\$2,488.7	\$2,488.7
1989	92.8	92.8	92.8	\$4,838.1	\$4,838.1	\$4,838.1	\$5,250.8	\$5,250.8	\$5,250.8
2000	103.6	105.3	102.0	\$6,145.0	\$6,355.7	\$5,915.2	\$9,160.5	\$9,043.3	\$9,799.2
2005	109.5	112.6	106.4	\$6,815.5	\$7,196.1	\$6,424.6	\$11,954.1	\$11,520.9	\$13,693.0
2010	115.5	120.3	110.9	\$7,521.5	\$8,136.1	\$6,895.2	\$15,670.0	\$14,781.7	\$19,022.3
2015	121.7	128.2	115.3	\$8,170.2	\$9,051.8	\$7,279.0	\$20,182.4	\$18,619.6	\$25,848.6
Average Annual Growth Rates									
1969-1979	2.4%	2.4%	2.4%	2.8%	2.8%	2.8%	10.0%	10.0%	10.0%
1979-1989	1.6%	1.6%	1.6%	2.5%	2.5%	2.5%	7.8%	7.8%	7.8%
1989-2000	1.0%	1.2%	0.9%	2.2%	2.5%	1.8%	5.2%	5.1%	5.8%
1989-2010	1.0%	1.2%	0.8%	2.1%	2.5%	1.7%	5.3%	5.1%	6.3%
1989-2015	1.0%	1.2%	0.8%	2.0%	2.4%	1.6%	5.3%	5.0%	6.3%
2000-2015	1.1%	1.3%	0.8%	1.9%	2.4%	1.4%	5.4%	4.9%	6.7%

Table A.2
Selected Indicators for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Unemployment Rate*			Gross Regional Product (Millions of 1987 \$)			Gross Regional Product (Millions of Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	N/A	N/A	N/A	\$59,088	\$59,088	\$59,088	\$19,750	\$19,750	\$19,750
1979	6.0%	6.0%	6.0%	\$85,667	\$85,667	\$85,667	\$56,155	\$56,155	\$56,155
1989	5.7%	5.7%	5.7%	\$113,922	\$113,922	\$113,922	\$123,662	\$123,662	\$123,662
2000	6.0%	5.0%	7.9%	\$168,522	\$184,233	\$150,356	\$250,813	\$261,775	\$248,659
2005	6.1%	4.8%	8.6%	\$190,018	\$224,142	\$156,228	\$332,455	\$358,071	\$332,117
2010	6.0%	4.7%	8.5%	\$217,234	\$279,225	\$162,748	\$450,985	\$505,732	\$447,427
2015	6.1%	4.8%	8.6%	\$243,242	\$337,794	\$167,432	\$598,105	\$692,022	\$592,016

Average Annual Growth Rates

1969-1979	3.8%	3.8%	3.8%	11.0%	11.0%	11.0%
1979-1989	2.9%	2.9%	2.9%	8.2%	8.2%	8.2%
1989-2000	3.6%	4.5%	2.6%	6.6%	7.1%	6.6%
1989-2010	3.1%	4.4%	1.7%	6.4%	6.9%	6.3%
1989-2015	3.0%	4.3%	1.5%	6.2%	6.8%	6.2%
2000-2015	2.5%	4.1%	0.7%	6.0%	6.7%	6.0%

United States

Year	United States								
	Unemployment Rate*			Gross National Product (Billions of 1987 \$)			Gross National Product (Billions of Current \$)		
	Control	High	Low	Control	High	Low	Control	High	Low
1969	3.5%	3.5%	3.5%	\$2,890.9	\$2,890.9	\$2,890.9	\$966.3	\$966.3	\$966.3
1979	5.9%	5.9%	5.9%	\$3,845.3	\$3,845.3	\$3,845.3	\$2,520.6	\$2,520.6	\$2,520.6
1989	5.3%	5.3%	5.3%	\$4,852.7	\$4,852.7	\$4,852.7	\$5,267.6	\$5,267.6	\$5,267.6
2000	6.1%	5.9%	6.4%	\$6,116.3	\$6,333.5	\$5,882.2	\$9,103.0	\$8,999.2	\$9,728.1
2005	6.2%	6.3%	6.2%	\$6,785.5	\$7,173.2	\$6,394.4	\$11,871.9	\$11,459.4	\$13,593.6
2010	6.2%	6.3%	6.2%	\$7,493.6	\$8,116.8	\$6,873.1	\$15,557.0	\$14,701.1	\$18,895.5
2015	6.3%	6.3%	6.3%	\$8,135.8	\$9,029.7	\$7,253.8	\$20,005.1	\$18,498.6	\$25,648.4

Average Annual Growth Rates

1969-1979	2.9%	2.9%	2.9%	10.1%	10.1%	10.1%
1979-1989	2.4%	2.4%	2.4%	7.6%	7.6%	7.6%
1989-2000	2.1%	2.5%	1.8%	5.1%	5.0%	5.7%
1989-2010	2.1%	2.5%	1.7%	5.3%	5.0%	6.3%
1989-2015	2.0%	2.4%	1.6%	5.3%	4.9%	6.3%
2000-2015	1.9%	2.4%	1.4%	5.4%	4.9%	6.7%

*Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

Table A.3
Employment, Earnings, and Output for the Manufacturing Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	678.2	\$12,781	\$13,918	678.2	\$12,781	\$13,918	678.2	\$12,781	\$13,918
1979	811.7	\$17,857	\$21,770	811.7	\$17,857	\$21,770	811.7	\$17,857	\$21,770
1989	862.0	\$19,956	\$31,503	862.0	\$19,956	\$31,503	862.0	\$19,956	\$31,503
2000	945.9	\$25,686	\$51,926	1,034.5	\$28,400	\$58,324	830.4	\$22,296	\$44,411
2005	924.3	\$26,522	\$59,417	1,096.6	\$32,289	\$74,160	722.8	\$20,264	\$44,403
2010	906.0	\$27,967	\$67,984	1,170.2	\$37,679	\$94,304	623.3	\$18,573	\$44,213
2015	837.4	\$27,853	\$73,598	1,166.5	\$41,047	\$111,888	504.2	\$16,104	\$41,980

Average Annual Growth Rates

1969-1979	1.8%	3.4%	4.6%	1.8%	3.4%	4.6%	1.8%	3.4%	4.6%
1979-1989	0.6%	1.1%	3.8%	0.6%	1.1%	3.8%	0.6%	1.1%	3.8%
1989-2000	0.8%	2.3%	4.6%	1.7%	3.3%	5.8%	-0.3%	1.0%	3.2%
1989-2010	0.2%	1.6%	3.7%	1.5%	3.1%	5.4%	-1.5%	-0.3%	1.6%
1989-2015	-0.1%	1.3%	3.3%	1.2%	2.8%	5.0%	-2.0%	-0.8%	1.1%
2000-2015	-0.8%	0.5%	2.4%	0.8%	2.5%	4.4%	-3.3%	-2.1%	-0.4%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	20.168	\$510.0	\$619.4	20.168	\$510.0	\$619.4	20.168	\$510.0	\$619.4
1979	21.044	\$608.8	\$777.0	21.044	\$608.8	\$777.0	21.044	\$608.8	\$777.0
1989	19.390	\$582.8	\$932.5	19.390	\$582.8	\$932.5	19.390	\$582.8	\$932.5
2000	17.069	\$584.7	\$1,191.5	17.465	\$600.2	\$1,237.7	16.574	\$567.5	\$1,140.4
2005	16.364	\$591.8	\$1,332.2	16.913	\$618.6	\$1,416.4	15.760	\$565.2	\$1,245.9
2010	15.637	\$606.5	\$1,471.8	16.401	\$649.9	\$1,605.9	14.818	\$562.8	\$1,335.5
2015	14.403	\$601.1	\$1,570.5	15.332	\$660.3	\$1,755.8	13.424	\$541.5	\$1,382.9

Average Annual Growth Rates

1969-1979	0.4%	1.8%	2.3%	0.4%	1.8%	2.3%	0.4%	1.8%	2.3%
1979-1989	-0.8%	-0.4%	1.8%	-0.8%	-0.4%	1.8%	-0.8%	-0.4%	1.8%
1989-2000	-1.2%	0.0%	2.3%	-0.9%	0.3%	2.6%	-1.4%	-0.2%	1.8%
1989-2010	-1.0%	0.2%	2.2%	-0.8%	0.5%	2.6%	-1.3%	-0.2%	1.7%
1989-2015	-1.1%	0.1%	2.0%	-0.9%	0.5%	2.5%	-1.4%	-0.3%	1.5%
2000-2015	-1.1%	0.2%	1.9%	-0.9%	0.6%	2.4%	-1.4%	-0.3%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.

U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.3
Employment, Earnings, and Output for the Construction Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	96.6	\$2,524	\$4,503	96.6	\$2,524	\$4,503	96.6	\$2,524	\$4,503
1979	126.5	\$3,609	\$4,506	126.5	\$3,609	\$4,506	126.5	\$3,609	\$4,506
1989	140.0	\$4,021	\$4,814	140.0	\$4,021	\$4,814	140.0	\$4,021	\$4,814
2000	164.7	\$5,420	\$5,915	183.0	\$6,011	\$6,539	140.3	\$4,623	\$5,066
2005	169.9	\$5,928	\$6,171	201.5	\$7,002	\$7,297	137.5	\$4,821	\$5,002
2010	175.6	\$6,501	\$6,408	221.6	\$8,148	\$8,060	133.2	\$4,969	\$4,864
2015	179.6	\$7,042	\$6,586	238.5	\$9,249	\$8,704	129.7	\$5,145	\$4,756
Average Annual Growth Rates									
1969-1979	2.7%	3.6%	0.0%	2.7%	3.6%	0.0%	2.7%	3.6%	0.0%
1979-1989	1.0%	1.1%	0.7%	1.0%	1.1%	0.7%	1.0%	1.1%	0.7%
1989-2000	1.5%	2.8%	1.9%	2.5%	3.7%	2.8%	0.0%	1.3%	0.5%
1989-2010	1.1%	2.3%	1.4%	2.2%	3.4%	2.5%	-0.2%	1.0%	0.0%
1989-2015	1.0%	2.2%	1.2%	2.1%	3.3%	2.3%	-0.3%	1.0%	0.0%
2000-2015	0.6%	1.8%	0.7%	1.8%	2.9%	1.9%	-0.5%	0.7%	-0.4%
United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	3.573	\$119.0	\$212.4	3.573	\$119.0	\$212.4	3.573	\$119.0	\$212.4
1979	4.459	\$160.4	\$200.3	4.459	\$160.4	\$200.3	4.459	\$160.4	\$200.3
1989	5.170	\$177.8	\$212.8	5.170	\$177.8	\$212.8	5.170	\$177.8	\$212.8
2000	5.483	\$211.2	\$230.5	5.904	\$225.9	\$245.7	4.993	\$194.1	\$212.7
2005	5.723	\$233.4	\$243.0	6.262	\$252.5	\$263.1	5.152	\$213.4	\$221.4
2010	5.936	\$256.5	\$252.8	6.634	\$282.1	\$279.0	5.202	\$229.6	\$224.7
2015	6.034	\$275.7	\$257.8	6.867	\$307.2	\$289.1	5.168	\$242.7	\$224.4
Average Annual Growth Rates									
1969-1979	2.2%	3.0%	-0.6%	2.2%	3.0%	-0.6%	2.2%	3.0%	-0.6%
1979-1989	1.5%	1.0%	0.6%	1.5%	1.0%	0.6%	1.5%	1.0%	0.6%
1989-2000	0.5%	1.6%	0.7%	1.2%	2.2%	1.3%	-0.3%	0.8%	0.0%
1989-2010	0.7%	1.8%	0.8%	1.2%	2.2%	1.3%	0.0%	1.2%	0.3%
1989-2015	0.6%	1.7%	0.7%	1.1%	2.1%	1.2%	0.0%	1.2%	0.2%
2000-2015	0.6%	1.8%	0.7%	1.0%	2.1%	1.1%	0.2%	1.5%	0.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.3
Employment, Earnings, and Output for the Private Commercial Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	745.7	\$16,065	\$27,238	745.7	\$16,065	\$27,238	745.7	\$16,065	\$27,238
1979	1,107.3	\$24,394	\$42,786	1,107.3	\$24,394	\$42,786	1,107.3	\$24,394	\$42,786
1989	1,599.8	\$33,904	\$60,689	1,599.8	\$33,904	\$60,689	1,599.8	\$33,904	\$60,689
2000	2,296.7	\$51,183	\$92,046	2,427.9	\$54,482	\$100,083	2,141.5	\$47,536	\$83,032
2005	2,522.7	\$56,939	\$105,274	2,795.6	\$64,168	\$122,322	2,238.7	\$50,002	\$88,942
2010	2,799.8	\$65,276	\$123,340	3,276.0	\$79,427	\$155,512	2,344.1	\$53,336	\$95,910
2015	3,070.5	\$74,237	\$143,273	3,782.2	\$97,415	\$195,118	2,439.4	\$56,707	\$103,144

Average Annual Growth Rates

1969-1979	4.0%	4.3%	4.6%	4.0%	4.3%	4.6%	4.0%	4.3%	4.6%
1979-1989	3.7%	3.3%	3.6%	3.7%	3.3%	3.6%	3.7%	3.3%	3.6%
1989-2000	3.3%	3.8%	3.9%	3.9%	4.4%	4.7%	2.7%	3.1%	2.9%
1989-2010	2.7%	3.2%	3.4%	3.5%	4.1%	4.6%	1.8%	2.2%	2.2%
1989-2015	2.5%	3.1%	3.4%	3.4%	4.1%	4.6%	1.6%	2.0%	2.1%
2000-2015	2.0%	2.5%	3.0%	3.0%	4.0%	4.6%	0.9%	1.2%	1.5%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	33.824	\$813.2	\$1,451.4	33.824	\$813.2	\$1,451.4	33.824	\$813.2	\$1,451.4
1979	47.415	\$1,158.0	\$2,126.3	47.415	\$1,158.0	\$2,126.3	47.415	\$1,158.0	\$2,126.3
1989	64.862	\$1,593.5	\$2,971.9	64.862	\$1,593.5	\$2,971.9	64.862	\$1,593.5	\$2,971.9
2000	80.559	\$2,129.8	\$3,915.9	81.321	\$2,154.0	\$4,054.7	79.549	\$2,104.8	\$3,763.2
2005	87.607	\$2,361.1	\$4,399.1	88.788	\$2,414.0	\$4,658.2	86.265	\$2,311.4	\$4,131.4
2010	94.410	\$2,632.2	\$4,934.5	96.487	\$2,738.3	\$5,365.2	92.182	\$2,527.5	\$4,495.5
2015	100.455	\$2,903.8	\$5,466.3	103.736	\$3,080.3	\$6,102.0	97.057	\$2,728.0	\$4,826.4

Average Annual Growth Rates

1969-1979	3.4%	3.6%	3.9%	3.4%	3.6%	3.9%	3.4%	3.6%	3.9%
1979-1989	3.2%	3.2%	3.4%	3.2%	3.2%	3.4%	3.2%	3.2%	3.4%
1989-2000	2.0%	2.7%	2.5%	2.1%	2.8%	2.9%	1.9%	2.6%	2.2%
1989-2010	1.8%	2.4%	2.4%	1.9%	2.6%	2.9%	1.7%	2.2%	2.0%
1989-2015	1.7%	2.3%	2.4%	1.8%	2.6%	2.8%	1.6%	2.1%	1.9%
2000-2015	1.5%	2.1%	2.2%	1.6%	2.4%	2.8%	1.3%	1.7%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.

U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.3
Employment, Earnings, and Output for the Government* Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	342.3	\$7,027	\$10,620	342.3	\$7,027	\$10,620	342.3	\$7,027	\$10,620
1979	490.6	\$10,372	\$13,900	490.6	\$10,372	\$13,900	490.6	\$10,372	\$13,900
1989	506.0	\$11,531	\$14,189	506.0	\$11,531	\$14,189	506.0	\$11,531	\$14,189
2000	616.0	\$14,680	\$15,428	643.2	\$15,606	\$16,012	586.9	\$13,678	\$14,744
2005	657.7	\$16,100	\$15,918	712.6	\$18,091	\$17,006	601.7	\$14,221	\$14,817
2010	690.0	\$17,736	\$16,248	777.2	\$21,175	\$17,909	604.5	\$14,780	\$14,769
2015	724.6	\$19,702	\$16,531	847.0	\$24,692	\$18,580	611.0	\$15,449	\$14,643

Average Annual Growth Rates

1969-1979	3.7%	4.0%	2.7%	3.7%	4.0%	2.7%	3.7%	4.0%	2.7%
1979-1989	0.3%	1.1%	0.2%	0.3%	1.1%	0.2%	0.3%	1.1%	0.2%
1989-2000	1.8%	2.2%	0.8%	2.2%	2.8%	1.1%	1.4%	1.6%	0.3%
1989-2010	1.5%	2.1%	0.6%	2.1%	2.9%	1.1%	0.9%	1.2%	0.2%
1989-2015	1.4%	2.1%	0.6%	2.0%	3.0%	1.0%	0.7%	1.1%	0.1%
2000-2015	1.1%	2.0%	0.5%	1.9%	3.1%	1.0%	0.3%	0.8%	0.0%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	12.190	\$295.3	\$446.3	12.190	\$295.3	\$446.3	12.190	\$295.3	\$446.3
1979	15.949	\$372.0	\$498.6	15.949	\$372.0	\$498.6	15.949	\$372.0	\$498.6
1989	17.779	\$460.8	\$567.0	17.779	\$460.8	\$567.0	17.779	\$460.8	\$567.0
2000	21.496	\$594.9	\$625.2	22.039	\$616.4	\$632.5	20.954	\$575.6	\$620.5
2005	22.982	\$661.8	\$654.3	24.003	\$708.4	\$665.9	21.962	\$618.9	\$644.8
2010	24.012	\$733.4	\$671.9	25.539	\$812.6	\$687.3	22.486	\$658.1	\$657.7
2015	25.157	\$814.5	\$683.4	27.240	\$933.0	\$702.0	23.074	\$701.4	\$664.8

Average Annual Growth Rates

1969-1979	2.7%	2.3%	1.1%	2.7%	2.3%	1.1%	2.7%	2.3%	1.1%
1979-1989	1.1%	2.2%	1.3%	1.1%	2.2%	1.3%	1.1%	2.2%	1.3%
1989-2000	1.7%	2.3%	0.9%	2.0%	2.7%	1.0%	1.5%	2.0%	0.8%
1989-2010	1.4%	2.2%	0.8%	1.7%	2.7%	0.9%	1.1%	1.7%	0.7%
1989-2015	1.3%	2.2%	0.7%	1.7%	2.8%	0.8%	1.0%	1.6%	0.6%
2000-2015	1.1%	2.1%	0.6%	1.4%	2.8%	0.7%	0.6%	1.3%	0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table A.4
Employment, Earnings, and Output for the Durables Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	278.1	\$5,487	\$6,260	278.1	\$5,487	\$6,260	278.1	\$5,487	\$6,260
1979	368.9	\$8,529	\$9,631	368.9	\$8,529	\$9,631	368.9	\$8,529	\$9,631
1989	414.1	\$10,153	\$15,120	414.1	\$10,153	\$15,120	414.1	\$10,153	\$15,120
2000	470.8	\$13,456	\$27,809	526.9	\$15,155	\$31,806	406.9	\$11,557	\$23,549
2005	462.8	\$13,908	\$31,854	572.7	\$17,502	\$41,102	354.2	\$10,473	\$23,507
2010	456.1	\$14,647	\$36,084	623.9	\$20,636	\$52,373	307.3	\$9,593	\$23,320
2015	415.5	\$14,310	\$38,215	619.8	\$22,213	\$61,201	247.8	\$8,226	\$22,095

Average Annual Growth Rates

1969-1979	2.9%	4.5%	4.4%	2.9%	4.5%	4.4%	2.9%	4.5%	4.4%
1979-1989	1.2%	1.8%	4.6%	1.2%	1.8%	4.6%	1.2%	1.8%	4.6%
1989-2000	1.2%	2.6%	5.7%	2.2%	3.7%	7.0%	-0.2%	1.2%	4.1%
1989-2010	0.5%	1.8%	4.2%	2.0%	3.4%	6.1%	-1.4%	-0.3%	2.1%
1989-2015	0.0%	1.3%	3.6%	1.6%	3.1%	5.5%	-2.0%	-0.8%	1.5%
2000-2015	-0.8%	0.4%	2.1%	1.1%	2.6%	4.5%	-3.3%	-2.2%	-0.4%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	11.864	\$323.9	\$382.4	11.864	\$323.9	\$382.4	11.864	\$323.9	\$382.4
1979	12.732	\$390.6	\$457.9	12.732	\$390.6	\$457.9	12.732	\$390.6	\$457.9
1989	11.394	\$364.1	\$543.0	11.394	\$364.1	\$543.0	11.394	\$364.1	\$543.0
2000	9.467	\$343.9	\$721.8	9.761	\$355.2	\$752.7	9.114	\$331.4	\$688.1
2005	9.039	\$345.1	\$814.5	9.449	\$363.9	\$870.2	8.599	\$326.4	\$758.1
2010	8.578	\$349.6	\$898.5	9.119	\$378.5	\$984.6	8.008	\$320.8	\$811.7
2015	7.791	\$339.7	\$949.7	8.418	\$377.3	\$1,065.4	7.139	\$302.3	\$833.7

Average Annual Growth Rates

1969-1979	0.7%	1.9%	1.8%	0.7%	1.9%	1.8%	0.7%	1.9%	1.8%
1979-1989	-1.1%	-0.7%	1.7%	-1.1%	-0.7%	1.7%	-1.1%	-0.7%	1.7%
1989-2000	-1.7%	-0.5%	2.6%	-1.4%	-0.2%	3.0%	-2.0%	-0.9%	2.2%
1989-2010	-1.3%	-0.2%	2.4%	-1.1%	0.2%	2.9%	-1.7%	-0.6%	1.9%
1989-2015	-1.5%	-0.3%	2.2%	-1.2%	0.1%	2.6%	-1.8%	-0.7%	1.7%
2000-2015	-1.3%	-0.1%	1.8%	-1.0%	0.4%	2.3%	-1.6%	-0.6%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Lumber Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	28.5	\$449	\$383	28.5	\$449	\$383	28.5	\$449	\$383
1979	36.7	\$734	\$580	36.7	\$734	\$580	36.7	\$734	\$580
1989	38.0	\$805	\$822	38.0	\$805	\$822	38.0	\$805	\$822
2000	38.0	\$933	\$1,087	43.3	\$1,089	\$1,260	31.9	\$754	\$895
2005	36.9	\$916	\$1,184	44.7	\$1,150	\$1,479	28.4	\$675	\$883
2010	35.4	\$901	\$1,283	45.9	\$1,225	\$1,731	24.4	\$581	\$844
2015	33.6	\$872	\$1,370	46.2	\$1,275	\$1,980	20.7	\$491	\$794

Average Annual Growth Rates

1969-1979	2.6%	5.0%	4.2%	2.6%	5.0%	4.2%	2.6%	5.0%	4.2%
1979-1989	0.4%	0.9%	3.6%	0.4%	0.9%	3.6%	0.4%	0.9%	3.6%
1989-2000	0.0%	1.3%	2.6%	1.2%	2.8%	4.0%	-1.6%	-0.6%	0.8%
1989-2010	-0.3%	0.5%	2.1%	0.9%	2.0%	3.6%	-2.1%	-1.5%	0.1%
1989-2015	-0.5%	0.3%	2.0%	0.7%	1.8%	3.4%	-2.3%	-1.9%	-0.1%
2000-2015	-0.8%	-0.4%	1.6%	0.4%	1.1%	3.1%	-2.8%	-2.8%	-0.8%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.691	\$12.9	\$17.7	0.691	\$12.9	\$17.7	0.691	\$12.9	\$17.7
1979	0.782	\$20.3	\$23.4	0.782	\$20.3	\$23.4	0.782	\$20.3	\$23.4
1989	0.756	\$19.0	\$29.4	0.756	\$19.0	\$29.4	0.756	\$19.0	\$29.4
2000	0.710	\$19.2	\$34.3	0.772	\$21.4	\$38.0	0.634	\$16.5	\$30.1
2005	0.693	\$18.9	\$37.7	0.767	\$21.7	\$43.0	0.613	\$16.0	\$32.2
2010	0.670	\$18.7	\$41.0	0.758	\$22.3	\$48.4	0.574	\$15.0	\$33.5
2015	0.636	\$18.1	\$43.8	0.732	\$22.2	\$53.1	0.533	\$13.9	\$34.5

Average Annual Growth Rates

1969-1979	1.2%	4.6%	2.8%	1.2%	4.6%	2.8%	1.2%	4.6%	2.8%
1979-1989	-0.3%	-0.6%	2.3%	-0.3%	-0.6%	2.3%	-0.3%	-0.6%	2.3%
1989-2000	-0.6%	0.1%	1.4%	0.2%	1.1%	2.4%	-1.6%	-1.3%	0.2%
1989-2010	-0.6%	-0.1%	1.6%	0.0%	0.8%	2.4%	-1.3%	-1.1%	0.6%
1989-2015	-0.7%	-0.2%	1.5%	-0.1%	0.6%	2.3%	-1.3%	-1.2%	0.6%
2000-2015	-0.7%	-0.4%	1.6%	-0.4%	0.3%	2.2%	-1.2%	-1.1%	0.9%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Furniture Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	33.9	\$528	\$464	33.9	\$528	\$464	33.9	\$528	\$464
1979	40.3	\$599	\$598	40.3	\$599	\$598	40.3	\$599	\$598
1989	53.9	\$936	\$1,059	53.9	\$936	\$1,059	53.9	\$936	\$1,059
2000	66.5	\$1,406	\$1,896	72.9	\$1,557	\$2,141	59.6	\$1,250	\$1,645
2005	64.5	\$1,464	\$2,102	76.4	\$1,771	\$2,616	53.3	\$1,183	\$1,640
2010	62.9	\$1,578	\$2,396	80.3	\$2,093	\$3,286	47.5	\$1,145	\$1,669
2015	58.0	\$1,650	\$2,657	79.7	\$2,388	\$3,987	40.2	\$1,076	\$1,656

Average Annual Growth Rates

1969-1979	1.7%	1.3%	2.6%	1.7%	1.3%	2.6%	1.7%	1.3%	2.6%
1979-1989	3.0%	4.6%	5.9%	3.0%	4.6%	5.9%	3.0%	4.6%	5.9%
1989-2000	1.9%	3.8%	5.4%	2.8%	4.7%	6.6%	0.9%	2.7%	4.1%
1989-2010	0.7%	2.5%	4.0%	1.9%	3.9%	5.5%	-0.6%	1.0%	2.2%
1989-2015	0.3%	2.2%	3.6%	1.5%	3.7%	5.2%	-1.1%	0.5%	1.7%
2000-2015	-0.9%	1.1%	2.3%	0.6%	2.9%	4.2%	-2.6%	-1.0%	0.0%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.461	\$9.5	\$9.2	0.461	\$9.5	\$9.2	0.461	\$9.5	\$9.2
1979	0.498	\$8.7	\$11.1	0.498	\$8.7	\$11.1	0.498	\$8.7	\$11.1
1989	0.524	\$11.0	\$15.4	0.524	\$11.0	\$15.4	0.524	\$11.0	\$15.4
2000	0.475	\$12.0	\$20.0	0.489	\$12.5	\$21.2	0.456	\$11.5	\$18.7
2005	0.431	\$11.7	\$20.8	0.452	\$12.5	\$22.8	0.406	\$10.9	\$18.7
2010	0.393	\$11.8	\$22.1	0.422	\$13.0	\$25.3	0.361	\$10.5	\$19.0
2015	0.344	\$11.7	\$23.3	0.378	\$13.4	\$27.7	0.306	\$10.0	\$18.9

Average Annual Growth Rates

1969-1979	0.8%	-0.9%	1.9%	0.8%	-0.9%	1.9%	0.8%	-0.9%	1.9%
1979-1989	0.5%	2.4%	3.3%	0.5%	2.4%	3.3%	0.5%	2.4%	3.3%
1989-2000	-0.9%	0.8%	2.4%	-0.6%	1.1%	2.9%	-1.3%	0.4%	1.8%
1989-2010	-1.4%	0.3%	1.7%	-1.0%	0.8%	2.4%	-1.8%	-0.2%	1.0%
1989-2015	-1.6%	0.2%	1.6%	-1.2%	0.8%	2.3%	-2.1%	-0.4%	0.8%
2000-2015	-2.1%	-0.2%	1.0%	-1.7%	0.5%	1.8%	-2.6%	-1.0%	0.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Stone/Clay/Glass Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	19.1	\$408	\$681	19.1	\$408	\$681	19.1	\$408	\$681
1979	22.8	\$576	\$659	22.8	\$576	\$659	22.8	\$576	\$659
1989	21.0	\$538	\$792	21.0	\$538	\$792	21.0	\$538	\$792
2000	23.8	\$675	\$1,266	26.6	\$762	\$1,483	20.3	\$568	\$1,020
2005	23.3	\$709	\$1,475	28.0	\$874	\$1,910	18.5	\$548	\$1,076
2010	22.9	\$768	\$1,760	29.4	\$1,033	\$2,506	16.9	\$540	\$1,152
2015	21.3	\$803	\$2,003	28.9	\$1,162	\$3,090	14.7	\$521	\$1,197

Average Annual Growth Rates

1969-1979	1.8%	3.5%	-0.3%	1.8%	3.5%	-0.3%	1.8%	3.5%	-0.3%
1979-1989	-0.8%	-0.7%	1.9%	-0.8%	-0.7%	1.9%	-0.8%	-0.7%	1.9%
1989-2000	1.2%	2.1%	4.4%	2.2%	3.2%	5.9%	-0.3%	0.5%	2.3%
1989-2010	0.4%	1.7%	3.9%	1.6%	3.2%	5.6%	-1.0%	0.0%	1.8%
1989-2015	0.1%	1.6%	3.6%	1.2%	3.0%	5.4%	-1.3%	-0.1%	1.6%
2000-2015	-0.7%	1.2%	3.1%	0.6%	2.9%	5.0%	-2.1%	-0.6%	1.1%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.622	\$16.4	\$22.5	0.622	\$16.4	\$22.5	0.622	\$16.4	\$22.5
1979	0.673	\$20.2	\$26.7	0.673	\$20.2	\$26.7	0.673	\$20.2	\$26.7
1989	0.568	\$16.2	\$26.0	0.568	\$16.2	\$26.0	0.568	\$16.2	\$26.0
2000	0.516	\$16.5	\$31.8	0.537	\$17.1	\$34.2	0.490	\$15.8	\$29.1
2005	0.481	\$16.4	\$34.1	0.505	\$17.3	\$37.8	0.454	\$15.5	\$30.4
2010	0.444	\$16.6	\$37.1	0.473	\$17.9	\$42.4	0.414	\$15.3	\$31.9
2015	0.390	\$16.4	\$39.2	0.420	\$18.0	\$46.2	0.359	\$14.7	\$32.5

Average Annual Growth Rates

1969-1979	0.8%	2.1%	1.7%	0.8%	2.1%	1.7%	0.8%	2.1%	1.7%
1979-1989	-1.7%	-2.2%	-0.3%	-1.7%	-2.2%	-0.3%	-1.7%	-2.2%	-0.3%
1989-2000	-0.9%	0.1%	1.8%	-0.5%	0.5%	2.5%	-1.3%	-0.3%	1.0%
1989-2010	-1.2%	0.1%	1.7%	-0.9%	0.5%	2.4%	-1.5%	-0.3%	1.0%
1989-2015	-1.4%	0.0%	1.6%	-1.2%	0.4%	2.2%	-1.8%	-0.4%	0.9%
2000-2015	-1.8%	-0.1%	1.4%	-1.6%	0.3%	2.0%	-2.1%	-0.5%	0.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Primary Metals Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>
1969	30.6	\$832	\$1,086	30.6	\$832	\$1,086	30.6	\$832	\$1,086
1979	34.0	\$1,204	\$918	34.0	\$1,204	\$918	34.0	\$1,204	\$918
1989	27.8	\$934	\$701	27.8	\$934	\$701	27.8	\$934	\$701
2000	28.7	\$1,172	\$1,032	31.0	\$1,257	\$1,118	24.9	\$1,027	\$877
2005	28.6	\$1,213	\$1,098	33.3	\$1,410	\$1,288	21.1	\$898	\$749
2010	28.6	\$1,292	\$1,173	35.8	\$1,624	\$1,482	17.8	\$805	\$676
2015	26.6	\$1,316	\$1,194	35.4	\$1,768	\$1,610	13.1	\$644	\$542
Average Annual Growth Rates									
1969-1979	1.0%	3.8%	-1.7%	1.0%	3.8%	-1.7%	1.0%	3.8%	-1.7%
1979-1989	-2.0%	-2.5%	-2.7%	-2.0%	-2.5%	-2.7%	-2.0%	-2.5%	-2.7%
1989-2000	0.3%	2.1%	3.6%	1.0%	2.7%	4.3%	-1.0%	0.9%	2.1%
1989-2010	0.1%	1.6%	2.5%	1.2%	2.7%	3.6%	-2.1%	-0.7%	-0.2%
1989-2015	-0.2%	1.3%	2.1%	0.9%	2.5%	3.2%	-2.9%	-1.4%	-1.0%
2000-2015	-0.5%	0.8%	1.0%	0.9%	2.3%	2.5%	-4.2%	-3.1%	-3.2%
United States									
Year	Control			High			Low		
	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>
1969	1.305	\$40.7	\$60.9	1.305	\$40.7	\$60.9	1.305	\$40.7	\$60.9
1979	1.254	\$48.5	\$54.1	1.254	\$48.5	\$54.1	1.254	\$48.5	\$54.1
1989	0.772	\$27.7	\$33.3	0.772	\$27.7	\$33.3	0.772	\$27.7	\$33.3
2000	0.635	\$25.6	\$39.4	0.651	\$26.1	\$40.8	0.613	\$25.0	\$37.8
2005	0.595	\$25.0	\$41.0	0.615	\$25.8	\$43.2	0.573	\$24.2	\$38.7
2010	0.541	\$24.2	\$41.4	0.564	\$25.3	\$44.4	0.516	\$23.1	\$38.4
2015	0.455	\$22.3	\$40.0	0.478	\$23.7	\$43.4	0.432	\$21.0	\$36.4
Average Annual Growth Rates									
1969-1979	-0.4%	1.8%	-1.2%	-0.4%	1.8%	-1.2%	-0.4%	1.8%	-1.2%
1979-1989	-4.7%	-5.5%	-4.7%	-4.7%	-5.5%	-4.7%	-4.7%	-5.5%	-4.7%
1989-2000	-1.8%	-0.7%	1.5%	-1.5%	-0.5%	1.9%	-2.1%	-0.9%	1.2%
1989-2010	-1.7%	-0.6%	1.0%	-1.5%	-0.4%	1.4%	-1.9%	-0.9%	0.7%
1989-2015	-2.0%	-0.8%	0.7%	-1.8%	-0.6%	1.0%	-2.2%	-1.1%	0.3%
2000-2015	-2.2%	-0.9%	0.1%	-2.0%	-0.7%	0.4%	-2.3%	-1.2%	-0.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Fabricated Metal Products Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	36.1	\$748	\$824	36.1	\$748	\$824	36.1	\$748	\$824
1979	50.1	\$1,179	\$1,331	50.1	\$1,179	\$1,331	50.1	\$1,179	\$1,331
1989	49.7	\$1,200	\$1,762	49.7	\$1,200	\$1,762	49.7	\$1,200	\$1,762
2000	56.0	\$1,421	\$2,599	61.4	\$1,564	\$2,907	47.3	\$1,196	\$2,142
2005	57.7	\$1,481	\$3,037	68.1	\$1,765	\$3,706	43.0	\$1,094	\$2,176
2010	59.7	\$1,564	\$3,528	75.4	\$2,007	\$4,646	38.8	\$1,000	\$2,183
2015	58.7	\$1,569	\$3,908	78.6	\$2,146	\$5,488	33.0	\$863	\$2,076

Average Annual Growth Rates

1969-1979	3.3%	4.7%	4.9%	3.3%	4.7%	4.9%	3.3%	4.7%	4.9%
1979-1989	-0.1%	0.2%	2.8%	-0.1%	0.2%	2.8%	-0.1%	0.2%	2.8%
1989-2000	1.1%	1.5%	3.6%	1.9%	2.4%	4.7%	-0.4%	0.0%	1.8%
1989-2010	0.9%	1.3%	3.4%	2.0%	2.5%	4.7%	-1.2%	-0.9%	1.0%
1989-2015	0.6%	1.0%	3.1%	1.8%	2.3%	4.5%	-1.6%	-1.3%	0.6%
2000-2015	0.3%	0.7%	2.8%	1.7%	2.1%	4.3%	-2.4%	-2.2%	-0.2%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.665	\$37.1	\$50.5	1.665	\$37.1	\$50.5	1.665	\$37.1	\$50.5
1979	1.713	\$48.8	\$57.3	1.713	\$48.8	\$57.3	1.713	\$48.8	\$57.3
1989	1.445	\$41.6	\$61.1	1.445	\$41.6	\$61.1	1.445	\$41.6	\$61.1
2000	1.313	\$40.2	\$73.5	1.358	\$41.6	\$77.3	1.258	\$38.6	\$69.2
2005	1.267	\$39.5	\$81.0	1.334	\$41.8	\$87.8	1.195	\$37.2	\$74.1
2010	1.211	\$39.2	\$88.3	1.302	\$42.6	\$98.7	1.116	\$35.7	\$77.9
2015	1.099	\$37.0	\$92.1	1.207	\$41.5	\$106.0	0.987	\$32.5	\$78.3

Average Annual Growth Rates

1969-1979	0.3%	2.8%	1.3%	0.3%	2.8%	1.3%	0.3%	2.8%	1.3%
1979-1989	-1.7%	-1.6%	0.6%	-1.7%	-1.6%	0.6%	-1.7%	-1.6%	0.6%
1989-2000	-0.9%	-0.3%	1.7%	-0.6%	0.0%	2.2%	-1.3%	-0.7%	1.1%
1989-2010	-0.8%	-0.3%	1.8%	-0.5%	0.1%	2.3%	-1.2%	-0.7%	1.2%
1989-2015	-1.0%	-0.5%	1.6%	-0.7%	0.0%	2.1%	-1.5%	-0.9%	1.0%
2000-2015	-1.2%	-0.6%	1.5%	-0.8%	0.0%	2.1%	-1.6%	-1.1%	0.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Machinery Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	79.6	\$1,507	\$1,836	79.6	\$1,507	\$1,836	79.6	\$1,507	\$1,836
1979	124.4	\$2,806	\$3,826	124.4	\$2,806	\$3,826	124.4	\$2,806	\$3,826
1989	135.5	\$3,325	\$5,965	135.5	\$3,325	\$5,965	135.5	\$3,325	\$5,965
2000	150.7	\$4,360	\$11,337	173.3	\$5,079	\$13,354	125.0	\$3,567	\$9,144
2005	148.0	\$4,528	\$12,780	196.4	\$6,170	\$17,687	102.1	\$3,046	\$8,383
2010	144.6	\$4,734	\$14,146	220.4	\$7,519	\$22,805	83.3	\$2,618	\$7,622
2015	123.6	\$4,303	\$14,023	212.7	\$7,819	\$25,758	60.0	\$1,987	\$6,340

Average Annual Growth Rates

1969-1979	4.6%	6.4%	7.6%	4.6%	6.4%	7.6%	4.6%	6.4%	7.6%
1979-1989	0.9%	1.7%	4.5%	0.9%	1.7%	4.5%	0.9%	1.7%	4.5%
1989-2000	1.0%	2.5%	6.0%	2.3%	3.9%	7.6%	-0.7%	0.6%	4.0%
1989-2010	0.3%	1.7%	4.2%	2.3%	4.0%	6.6%	-2.3%	-1.1%	1.2%
1989-2015	-0.4%	1.0%	3.3%	1.7%	3.3%	5.8%	-3.1%	-2.0%	0.2%
2000-2015	-1.3%	-0.1%	1.4%	1.4%	2.9%	4.5%	-4.8%	-3.8%	-2.4%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	3.719	\$109.8	\$104.4	3.719	\$109.8	\$104.4	3.719	\$109.8	\$104.4
1979	4.302	\$136.7	\$150.2	4.302	\$136.7	\$150.2	4.302	\$136.7	\$150.2
1989	3.869	\$124.7	\$193.4	3.869	\$124.7	\$193.4	3.869	\$124.7	\$193.4
2000	3.198	\$121.9	\$303.0	3.254	\$124.9	\$313.1	3.131	\$118.8	\$292.8
2005	3.071	\$123.8	\$348.1	3.154	\$129.4	\$367.8	2.984	\$118.6	\$328.8
2010	2.888	\$124.4	\$383.2	2.992	\$132.9	\$413.7	2.784	\$116.2	\$353.4
2015	2.609	\$119.2	\$402.3	2.721	\$130.1	\$442.7	2.504	\$108.8	\$362.8

Average Annual Growth Rates

1969-1979	1.5%	2.2%	3.7%	1.5%	2.2%	3.7%	1.5%	2.2%	3.7%
1979-1989	-1.1%	-0.9%	2.6%	-1.1%	-0.9%	2.6%	-1.1%	-0.9%	2.6%
1989-2000	-1.7%	-0.2%	4.2%	-1.6%	0.0%	4.5%	-1.9%	-0.4%	3.8%
1989-2010	-1.4%	0.0%	3.3%	-1.2%	0.3%	3.7%	-1.6%	-0.3%	2.9%
1989-2015	-1.5%	-0.2%	2.9%	-1.3%	0.2%	3.2%	-1.7%	-0.5%	2.4%
2000-2015	-1.3%	-0.2%	1.9%	-1.2%	0.3%	2.3%	-1.5%	-0.6%	1.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Transportation Equipment Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	31.7	\$703	\$673	31.7	\$703	\$673	31.7	\$703	\$673
1979	33.2	\$906	\$1,207	33.2	\$906	\$1,207	33.2	\$906	\$1,207
1989	55.4	\$1,687	\$3,002	55.4	\$1,687	\$3,002	55.4	\$1,687	\$3,002
2000	73.9	\$2,629	\$7,170	80.6	\$2,872	\$7,878	68.3	\$2,441	\$6,598
2005	73.1	\$2,736	\$8,630	85.9	\$3,241	\$10,287	63.9	\$2,386	\$7,442
2010	73.6	\$2,943	\$10,169	94.0	\$3,819	\$13,200	60.3	\$2,374	\$8,170
2015	69.6	\$3,002	\$11,531	95.4	\$4,219	\$16,078	53.9	\$2,268	\$8,750

Average Annual Growth Rates

1969-1979	0.5%	2.6%	6.0%	0.5%	2.6%	6.0%	0.5%	2.6%	6.0%
1979-1989	5.3%	6.4%	9.5%	5.3%	6.4%	9.5%	5.3%	6.4%	9.5%
1989-2000	2.6%	4.1%	8.2%	3.5%	5.0%	9.2%	1.9%	3.4%	7.4%
1989-2010	1.4%	2.7%	6.0%	2.5%	4.0%	7.3%	0.4%	1.6%	4.9%
1989-2015	0.9%	2.2%	5.3%	2.1%	3.6%	6.7%	-0.1%	1.1%	4.2%
2000-2015	-0.4%	0.9%	3.2%	1.1%	2.6%	4.9%	-1.6%	-0.5%	1.9%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	2.120	\$75.5	\$90.4	2.120	\$75.5	\$90.4	2.120	\$75.5	\$90.4
1979	2.059	\$78.4	\$98.7	2.059	\$78.4	\$98.7	2.059	\$78.4	\$98.7
1989	2.051	\$78.6	\$117.5	2.051	\$78.6	\$117.5	2.051	\$78.6	\$117.5
2000	1.439	\$64.0	\$138.6	1.483	\$66.0	\$143.7	1.383	\$61.8	\$132.5
2005	1.360	\$63.7	\$159.3	1.423	\$67.1	\$169.0	1.288	\$60.1	\$148.8
2010	1.317	\$65.8	\$180.5	1.409	\$71.6	\$196.4	1.217	\$59.9	\$163.6
2015	1.185	\$64.0	\$195.0	1.298	\$71.8	\$217.0	1.065	\$56.1	\$171.7

Average Annual Growth Rates

1969-1979	-0.3%	0.4%	0.9%	-0.3%	0.4%	0.9%	-0.3%	0.4%	0.9%
1979-1989	0.0%	0.0%	1.8%	0.0%	0.0%	1.8%	0.0%	0.0%	1.8%
1989-2000	-3.2%	-1.8%	1.5%	-2.9%	-1.6%	1.8%	-3.5%	-2.2%	1.1%
1989-2010	-2.1%	-0.8%	2.1%	-1.8%	-0.4%	2.5%	-2.5%	-1.3%	1.6%
1989-2015	-2.1%	-0.8%	2.0%	-1.7%	-0.3%	2.4%	-2.5%	-1.3%	1.5%
2000-2015	-1.3%	0.0%	2.3%	-0.9%	0.6%	2.8%	-1.7%	-0.6%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Instruments Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	6.0	\$108	\$84	6.0	\$108	\$84	6.0	\$108	\$84
1979	10.6	\$219	\$179	10.6	\$219	\$179	10.6	\$219	\$179
1989	14.9	\$364	\$369	14.9	\$364	\$369	14.9	\$364	\$369
2000	16.0	\$472	\$580	17.5	\$519	\$643	13.6	\$397	\$483
2005	16.5	\$512	\$684	19.9	\$631	\$848	11.5	\$346	\$457
2010	17.1	\$563	\$791	22.7	\$769	\$1,087	9.6	\$298	\$416
2015	16.2	\$554	\$802	23.4	\$834	\$1,208	7.0	\$221	\$318
Average Annual Growth Rates									
1969-1979	5.9%	7.4%	7.8%	5.9%	7.4%	7.8%	5.9%	7.4%	7.8%
1979-1989	3.5%	5.2%	7.5%	3.5%	5.2%	7.5%	3.5%	5.2%	7.5%
1989-2000	0.6%	2.4%	4.2%	1.4%	3.3%	5.2%	-0.8%	0.8%	2.5%
1989-2010	0.6%	2.1%	3.7%	2.0%	3.6%	5.3%	-2.1%	-0.9%	0.6%
1989-2015	0.3%	1.6%	3.0%	1.7%	3.2%	4.7%	-2.9%	-1.9%	-0.6%
2000-2015	0.1%	1.1%	2.2%	2.0%	3.2%	4.3%	-4.3%	-3.8%	-2.7%

United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.838	\$12.8	\$16.3	0.838	\$12.8	\$16.3	0.838	\$12.8	\$16.3
1979	1.007	\$19.1	\$24.3	1.007	\$19.1	\$24.3	1.007	\$19.1	\$24.3
1989	1.026	\$35.5	\$49.6	1.026	\$35.5	\$49.6	1.026	\$35.5	\$49.6
2000	0.845	\$34.7	\$60.3	0.874	\$35.8	\$62.5	0.816	\$33.7	\$57.9
2005	0.826	\$36.2	\$68.2	0.876	\$38.3	\$72.7	0.773	\$34.2	\$63.5
2010	0.827	\$39.0	\$77.4	0.901	\$42.5	\$84.8	0.750	\$35.5	\$69.7
2015	0.819	\$41.1	\$83.7	0.915	\$46.1	\$94.1	0.716	\$35.8	\$72.7
Average Annual Growth Rates									
1969-1979	1.8%	4.1%	4.1%	1.8%	4.1%	4.1%	1.8%	4.1%	4.1%
1979-1989	0.2%	6.4%	7.4%	0.2%	6.4%	7.4%	0.2%	6.4%	7.4%
1989-2000	-1.7%	-0.2%	1.8%	-1.4%	0.1%	2.1%	-2.1%	-0.5%	1.4%
1989-2010	-1.0%	0.4%	2.1%	-0.6%	0.9%	2.6%	-1.5%	0.0%	1.6%
1989-2015	-0.9%	0.6%	2.0%	-0.4%	1.0%	2.5%	-1.4%	0.0%	1.5%
2000-2015	-0.2%	1.1%	2.2%	0.3%	1.7%	2.8%	-0.9%	0.4%	1.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.4
Employment, Earnings, and Output for the Miscellaneous Manufacturing Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	12.4	\$203	\$229	12.4	\$203	\$229	12.4	\$203	\$229
1979	16.8	\$306	\$333	16.8	\$306	\$333	16.8	\$306	\$333
1989	17.8	\$363	\$647	17.8	\$363	\$647	17.8	\$363	\$647
2000	17.3	\$390	\$844	20.2	\$456	\$1,021	15.9	\$357	\$745
2005	14.3	\$348	\$864	20.0	\$489	\$1,280	12.4	\$297	\$699
2010	11.3	\$303	\$838	20.1	\$547	\$1,628	8.8	\$232	\$589
2015	8.0	\$241	\$729	19.5	\$602	\$2,001	5.2	\$156	\$421

Average Annual Growth Rates

1969-1979	3.1%	4.2%	3.8%	3.1%	4.2%	3.8%	3.1%	4.2%	3.8%
1979-1989	0.6%	1.7%	6.9%	0.6%	1.7%	6.9%	0.6%	1.7%	6.9%
1989-2000	-0.3%	0.7%	2.4%	1.2%	2.1%	4.2%	-1.0%	-0.1%	1.3%
1989-2010	-2.1%	-0.8%	1.2%	0.6%	2.0%	4.5%	-3.3%	-2.1%	-0.4%
1989-2015	-3.0%	-1.6%	0.5%	0.4%	2.0%	4.4%	-4.6%	-3.2%	-1.6%
2000-2015	-5.0%	-3.1%	-1.0%	-0.2%	1.9%	4.6%	-7.1%	-5.4%	-3.7%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.441	\$9.2	\$10.4	0.441	\$9.2	\$10.4	0.441	\$9.2	\$10.4
1979	0.445	\$10.0	\$12.1	0.445	\$10.0	\$12.1	0.445	\$10.0	\$12.1
1989	0.381	\$9.7	\$17.3	0.381	\$9.7	\$17.3	0.381	\$9.7	\$17.3
2000	0.336	\$9.7	\$20.9	0.342	\$9.8	\$21.9	0.331	\$9.6	\$20.0
2005	0.316	\$9.8	\$24.3	0.322	\$10.0	\$26.1	0.311	\$9.7	\$22.8
2010	0.287	\$9.9	\$27.4	0.298	\$10.3	\$30.7	0.277	\$9.6	\$24.4
2015	0.253	\$10.0	\$30.3	0.268	\$10.6	\$35.2	0.239	\$9.5	\$25.7

Average Annual Growth Rates

1969-1979	0.1%	0.8%	1.5%	0.1%	0.8%	1.5%	0.1%	0.8%	1.5%
1979-1989	-1.5%	-0.3%	3.6%	-1.5%	-0.3%	3.6%	-1.5%	-0.3%	3.6%
1989-2000	-1.1%	0.0%	1.7%	-1.0%	0.1%	2.1%	-1.3%	-0.1%	1.3%
1989-2010	-1.3%	0.1%	2.2%	-1.2%	0.3%	2.8%	-1.5%	0.0%	1.7%
1989-2015	-1.6%	0.1%	2.2%	-1.3%	0.3%	2.8%	-1.8%	-0.1%	1.5%
2000-2015	-1.9%	0.2%	2.5%	-1.6%	0.5%	3.2%	-2.2%	-0.1%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Nondurables Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	400.2	\$7,294	\$7,658	400.2	\$7,294	\$7,658	400.2	\$7,294	\$7,658
1979	442.9	\$9,328	\$12,139	442.9	\$9,328	\$12,139	442.9	\$9,328	\$12,139
1989	448.0	\$9,803	\$16,383	448.0	\$9,803	\$16,383	448.0	\$9,803	\$16,383
2000	475.1	\$12,229	\$24,117	507.6	\$13,245	\$26,518	423.5	\$10,739	\$20,862
2005	461.5	\$12,614	\$27,564	524.0	\$14,788	\$33,058	368.6	\$9,791	\$20,896
2010	449.9	\$13,320	\$31,900	546.3	\$17,043	\$41,931	316.0	\$8,980	\$20,892
2015	422.0	\$13,543	\$35,383	546.8	\$18,834	\$50,687	256.4	\$7,878	\$19,884
Average Annual Growth Rates									
1969-1979	1.0%	2.5%	4.7%	1.0%	2.5%	4.7%	1.0%	2.5%	4.7%
1979-1989	0.1%	0.5%	3.0%	0.1%	0.5%	3.0%	0.1%	0.5%	3.0%
1989-2000	0.5%	2.0%	3.6%	1.1%	2.8%	4.5%	-0.5%	0.8%	2.2%
1989-2010	0.0%	1.5%	3.2%	1.0%	2.7%	4.6%	-1.6%	-0.4%	1.2%
1989-2015	-0.2%	1.3%	3.0%	0.8%	2.5%	4.4%	-2.1%	-0.8%	0.7%
2000-2015	-0.8%	0.7%	2.6%	0.5%	2.4%	4.4%	-3.3%	-2.0%	-0.3%

United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	8.305	\$186.1	\$236.9	8.305	\$186.1	\$236.9	8.305	\$186.1	\$236.9
1979	8.312	\$218.2	\$319.1	8.312	\$218.2	\$319.1	8.312	\$218.2	\$319.1
1989	7.997	\$218.7	\$389.5	7.997	\$218.7	\$389.5	7.997	\$218.7	\$389.5
2000	7.602	\$240.8	\$469.8	7.703	\$245.0	\$484.9	7.461	\$236.0	\$452.2
2005	7.325	\$246.8	\$517.7	7.464	\$254.7	\$546.2	7.161	\$238.8	\$487.8
2010	7.059	\$256.9	\$573.3	7.282	\$271.4	\$621.2	6.810	\$242.0	\$523.8
2015	6.612	\$261.4	\$620.7	6.914	\$283.0	\$690.4	6.285	\$239.2	\$549.2
Average Annual Growth Rates									
1969-1979	0.0%	1.6%	3.0%	0.0%	1.6%	3.0%	0.0%	1.6%	3.0%
1979-1989	-0.4%	0.0%	2.0%	-0.4%	0.0%	2.0%	-0.4%	0.0%	2.0%
1989-2000	-0.5%	0.9%	1.7%	-0.3%	1.0%	2.0%	-0.6%	0.7%	1.4%
1989-2010	-0.6%	0.8%	1.9%	-0.4%	1.0%	2.2%	-0.8%	0.5%	1.4%
1989-2015	-0.7%	0.7%	1.8%	-0.6%	1.0%	2.2%	-0.9%	0.3%	1.3%
2000-2015	-0.9%	0.5%	1.9%	-0.7%	1.0%	2.4%	-1.1%	0.1%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.

U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Food Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	51.4	\$999	\$1,252	51.4	\$999	\$1,252	51.4	\$999	\$1,252
1979	59.6	\$1,344	\$2,175	59.6	\$1,344	\$2,175	59.6	\$1,344	\$2,175
1989	61.8	\$1,363	\$2,928	61.8	\$1,363	\$2,928	61.8	\$1,363	\$2,928
2000	66.2	\$1,578	\$3,910	69.7	\$1,666	\$4,225	60.8	\$1,450	\$3,485
2005	65.5	\$1,626	\$4,367	72.2	\$1,810	\$5,048	55.5	\$1,364	\$3,504
2010	64.0	\$1,690	\$4,928	74.1	\$1,983	\$6,104	49.5	\$1,282	\$3,508
2015	61.7	\$1,748	\$5,471	75.0	\$2,158	\$7,240	43.3	\$1,195	\$3,437

Average Annual Growth Rates

1969-1979	1.5%	3.0%	5.7%	1.5%	3.0%	5.7%	1.5%	3.0%	5.7%
1979-1989	0.4%	0.1%	3.0%	0.4%	0.1%	3.0%	0.4%	0.1%	3.0%
1989-2000	0.6%	1.3%	2.7%	1.1%	1.8%	3.4%	-0.1%	0.6%	1.6%
1989-2010	0.2%	1.0%	2.5%	0.9%	1.8%	3.6%	-1.0%	-0.3%	0.9%
1989-2015	0.0%	1.0%	2.4%	0.7%	1.8%	3.5%	-1.4%	-0.5%	0.6%
2000-2015	-0.5%	0.7%	2.3%	0.5%	1.7%	3.7%	-2.2%	-1.3%	-0.1%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.791	\$40.7	\$47.8	1.791	\$40.7	\$47.8	1.791	\$40.7	\$47.8
1979	1.733	\$44.7	\$62.4	1.733	\$44.7	\$62.4	1.733	\$44.7	\$62.4
1989	1.644	\$41.4	\$79.5	1.644	\$41.4	\$79.5	1.644	\$41.4	\$79.5
2000	1.608	\$43.9	\$97.1	1.615	\$44.0	\$99.6	1.595	\$43.8	\$94.0
2005	1.552	\$44.0	\$105.4	1.562	\$44.2	\$110.2	1.539	\$43.8	\$100.4
2010	1.481	\$44.4	\$115.6	1.502	\$45.0	\$123.8	1.456	\$43.8	\$107.0
2015	1.395	\$44.7	\$124.9	1.430	\$45.7	\$137.1	1.356	\$43.7	\$112.1

Average Annual Growth Rates

1969-1979	-0.3%	0.9%	2.7%	-0.3%	0.9%	2.7%	-0.3%	0.9%	2.7%
1979-1989	-0.5%	-0.8%	2.5%	-0.5%	-0.8%	2.5%	-0.5%	-0.8%	2.5%
1989-2000	-0.2%	0.5%	1.8%	-0.2%	0.5%	2.1%	-0.3%	0.5%	1.5%
1989-2010	-0.5%	0.3%	1.8%	-0.4%	0.4%	2.1%	-0.6%	0.3%	1.4%
1989-2015	-0.6%	0.3%	1.8%	-0.5%	0.4%	2.1%	-0.7%	0.2%	1.3%
2000-2015	-0.9%	0.1%	1.7%	-0.8%	0.3%	2.2%	-1.1%	0.0%	1.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Textiles Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	77.2	\$1,260	\$779	77.2	\$1,260	\$779	77.2	\$1,260	\$779
1979	74.5	\$1,345	\$1,374	74.5	\$1,345	\$1,374	74.5	\$1,345	\$1,374
1989	77.7	\$1,483	\$2,019	77.7	\$1,483	\$2,019	77.7	\$1,483	\$2,019
2000	84.6	\$1,854	\$3,584	91.4	\$2,031	\$3,986	74.3	\$1,601	\$3,049
2005	77.5	\$1,783	\$4,026	89.6	\$2,123	\$4,889	59.7	\$1,331	\$2,939
2010	69.7	\$1,725	\$4,499	85.7	\$2,232	\$5,928	46.4	\$1,088	\$2,778
2015	58.7	\$1,566	\$4,684	76.4	\$2,189	\$6,628	33.0	\$814	\$2,398

Average Annual Growth Rates

1969-1979	-0.4%	0.7%	5.8%	-0.4%	0.7%	5.8%	-0.4%	0.7%	5.8%
1979-1989	0.4%	1.0%	3.9%	0.4%	1.0%	3.9%	0.4%	1.0%	3.9%
1989-2000	0.8%	2.0%	5.4%	1.5%	2.9%	6.4%	-0.4%	0.7%	3.8%
1989-2010	-0.5%	0.7%	3.9%	0.5%	2.0%	5.3%	-2.4%	-1.5%	1.5%
1989-2015	-1.1%	0.2%	3.3%	-0.1%	1.5%	4.7%	-3.2%	-2.3%	0.7%
2000-2015	-2.4%	-1.1%	1.8%	-1.2%	0.5%	3.4%	-5.3%	-4.4%	-1.6%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.003	\$17.5	\$11.8	1.003	\$17.5	\$11.8	1.003	\$17.5	\$11.8
1979	0.885	\$16.6	\$17.8	0.885	\$16.6	\$17.8	0.885	\$16.6	\$17.8
1989	0.720	\$14.1	\$20.9	0.720	\$14.1	\$20.9	0.720	\$14.1	\$20.9
2000	0.584	\$12.9	\$27.1	0.596	\$13.2	\$28.3	0.568	\$12.4	\$25.8
2005	0.506	\$11.7	\$28.7	0.518	\$12.2	\$30.6	0.492	\$11.2	\$26.8
2010	0.431	\$10.7	\$30.4	0.446	\$11.5	\$33.2	0.414	\$9.9	\$27.6
2015	0.359	\$9.7	\$31.4	0.376	\$10.7	\$35.1	0.340	\$8.6	\$27.6

Average Annual Growth Rates

1969-1979	-1.2%	-0.5%	4.2%	-1.2%	-0.5%	4.2%	-1.2%	-0.5%	4.2%
1979-1989	-2.0%	-1.6%	1.6%	-2.0%	-1.6%	1.6%	-2.0%	-1.6%	1.6%
1989-2000	-1.9%	-0.8%	2.4%	-1.7%	-0.6%	2.8%	-2.1%	-1.1%	1.9%
1989-2010	-2.4%	-1.3%	1.8%	-2.3%	-1.0%	2.2%	-2.6%	-1.7%	1.3%
1989-2015	-2.6%	-1.5%	1.6%	-2.5%	-1.1%	2.0%	-2.8%	-1.9%	1.1%
2000-2015	-3.2%	-1.9%	1.0%	-3.0%	-1.4%	1.4%	-3.4%	-2.4%	0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Apparel Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	110.7	\$1,309	\$790	110.7	\$1,309	\$790	110.7	\$1,309	\$790
1979	119.3	\$1,506	\$1,623	119.3	\$1,506	\$1,623	119.3	\$1,506	\$1,623
1989	117.1	\$1,419	\$2,105	117.1	\$1,419	\$2,105	117.1	\$1,419	\$2,105
2000	98.6	\$1,323	\$2,408	103.1	\$1,394	\$2,546	88.2	\$1,173	\$2,132
2005	91.1	\$1,244	\$2,592	98.7	\$1,369	\$2,871	71.7	\$962	\$1,990
2010	82.6	\$1,157	\$2,746	93.5	\$1,340	\$3,189	53.6	\$731	\$1,728
2015	73.6	\$1,056	\$2,901	87.1	\$1,290	\$3,524	35.1	\$488	\$1,344

Average Annual Growth Rates

1969-1979	0.7%	1.4%	7.5%	0.7%	1.4%	7.5%	0.7%	1.4%	7.5%
1979-1989	-0.2%	-0.6%	2.6%	-0.2%	-0.6%	2.6%	-0.2%	-0.6%	2.6%
1989-2000	-1.6%	-0.6%	1.2%	-1.1%	-0.2%	1.7%	-2.5%	-1.7%	0.1%
1989-2010	-1.6%	-1.0%	1.3%	-1.1%	-0.3%	2.0%	-3.7%	-3.1%	-0.9%
1989-2015	-1.8%	-1.1%	1.2%	-1.1%	-0.4%	2.0%	-4.5%	-4.0%	-1.7%
2000-2015	-1.9%	-1.5%	1.2%	-1.1%	-0.5%	2.2%	-6.0%	-5.7%	-3.0%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.409	\$21.5	\$15.1	1.409	\$21.5	\$15.1	1.409	\$21.5	\$15.1
1979	1.305	\$21.4	\$21.5	1.305	\$21.4	\$21.5	1.305	\$21.4	\$21.5
1989	1.075	\$16.8	\$24.7	1.075	\$16.8	\$24.7	1.075	\$16.8	\$24.7
2000	0.790	\$13.3	\$23.0	0.804	\$13.5	\$23.5	0.767	\$12.9	\$22.3
2005	0.678	\$11.7	\$23.1	0.690	\$12.0	\$23.8	0.662	\$11.4	\$22.3
2010	0.572	\$10.3	\$23.1	0.589	\$10.7	\$24.1	0.552	\$9.9	\$22.0
2015	0.470	\$8.9	\$23.0	0.490	\$9.4	\$24.3	0.447	\$8.3	\$21.5

Average Annual Growth Rates

1969-1979	-0.8%	0.0%	3.6%	-0.8%	0.0%	3.6%	-0.8%	0.0%	3.6%
1979-1989	-1.9%	-2.4%	1.4%	-1.9%	-2.4%	1.4%	-1.9%	-2.4%	1.4%
1989-2000	-2.8%	-2.1%	-0.7%	-2.6%	-2.0%	-0.5%	-3.0%	-2.4%	-0.9%
1989-2010	-3.0%	-2.3%	-0.3%	-2.8%	-2.1%	-0.1%	-3.1%	-2.5%	-0.6%
1989-2015	-3.1%	-2.4%	-0.3%	-3.0%	-2.2%	-0.1%	-3.3%	-2.7%	-0.5%
2000-2015	-3.4%	-2.6%	0.0%	-3.2%	-2.4%	0.2%	-3.5%	-2.9%	-0.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Paper Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>
1969	14.7	\$343	\$641	14.7	\$343	\$641	14.7	\$343	\$641
1979	22.4	\$615	\$1,269	22.4	\$615	\$1,269	22.4	\$615	\$1,269
1989	28.0	\$864	\$2,172	28.0	\$864	\$2,172	28.0	\$864	\$2,172
2000	34.4	\$1,313	\$3,928	37.0	\$1,431	\$4,376	30.6	\$1,155	\$3,366
2005	35.9	\$1,514	\$4,747	42.0	\$1,821	\$5,892	27.9	\$1,144	\$3,453
2010	37.7	\$1,796	\$5,827	48.5	\$2,419	\$8,168	25.3	\$1,144	\$3,542
2015	38.4	\$2,093	\$6,917	54.4	\$3,164	\$10,950	22.0	\$1,119	\$3,495
Average Annual Growth Rates									
1969-1979	4.3%	6.0%	7.1%	4.3%	6.0%	7.1%	4.3%	6.0%	7.1%
1979-1989	2.3%	3.5%	5.5%	2.3%	3.5%	5.5%	2.3%	3.5%	5.5%
1989-2000	1.9%	3.9%	5.5%	2.6%	4.7%	6.6%	0.8%	2.7%	4.1%
1989-2010	1.4%	3.5%	4.8%	2.6%	5.0%	6.5%	-0.5%	1.3%	2.4%
1989-2015	1.2%	3.5%	4.6%	2.6%	5.1%	6.4%	-0.9%	1.0%	1.8%
2000-2015	0.7%	3.2%	3.8%	2.6%	5.4%	6.3%	-2.2%	-0.2%	0.3%

United States									
Year	Control			High			Low		
	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>	<u>Employment</u>	<u>Earnings</u>	<u>Product</u>
1969	0.706	\$18.3	\$25.3	0.706	\$18.3	\$25.3	0.706	\$18.3	\$25.3
1979	0.698	\$21.9	\$33.5	0.698	\$21.9	\$33.5	0.698	\$21.9	\$33.5
1989	0.696	\$22.9	\$39.5	0.696	\$22.9	\$39.5	0.696	\$22.9	\$39.5
2000	0.647	\$26.2	\$52.5	0.650	\$26.5	\$54.3	0.641	\$25.9	\$50.6
2005	0.617	\$27.6	\$57.9	0.621	\$28.2	\$61.2	0.612	\$26.9	\$54.5
2010	0.588	\$29.5	\$64.2	0.595	\$30.8	\$69.7	0.580	\$28.3	\$58.6
2015	0.542	\$31.2	\$69.1	0.552	\$33.2	\$76.9	0.531	\$29.2	\$61.1
Average Annual Growth Rates									
1969-1979	-0.1%	1.8%	2.9%	-0.1%	1.8%	2.9%	-0.1%	1.8%	2.9%
1979-1989	0.0%	0.4%	1.7%	0.0%	0.4%	1.7%	0.0%	0.4%	1.7%
1989-2000	-0.7%	1.2%	2.6%	-0.6%	1.3%	2.9%	-0.7%	1.1%	2.3%
1989-2010	-0.8%	1.2%	2.3%	-0.7%	1.4%	2.7%	-0.9%	1.0%	1.9%
1989-2015	-1.0%	1.2%	2.2%	-0.9%	1.4%	2.6%	-1.0%	0.9%	1.7%
2000-2015	-1.2%	1.2%	1.8%	-1.1%	1.5%	2.3%	-1.2%	0.8%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Printing and Publishing Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	20.6	\$433	\$577	20.6	\$433	\$577	20.6	\$433	\$577
1979	30.3	\$736	\$1,129	30.3	\$736	\$1,129	30.3	\$736	\$1,129
1989	44.8	\$1,000	\$1,426	44.8	\$1,000	\$1,426	44.8	\$1,000	\$1,426
2000	55.5	\$1,333	\$1,838	59.4	\$1,431	\$1,993	49.3	\$1,184	\$1,613
2005	58.5	\$1,453	\$2,045	66.5	\$1,670	\$2,381	46.9	\$1,156	\$1,598
2010	63.6	\$1,654	\$2,320	78.1	\$2,073	\$2,942	45.2	\$1,152	\$1,592
2015	68.1	\$1,864	\$2,616	90.0	\$2,537	\$3,588	42.7	\$1,130	\$1,569

Average Annual Growth Rates

1969-1979	3.9%	5.4%	6.9%	3.9%	5.4%	6.9%	3.9%	5.4%	6.9%
1979-1989	4.0%	3.1%	2.4%	4.0%	3.1%	2.4%	4.0%	3.1%	2.4%
1989-2000	2.0%	2.6%	2.3%	2.6%	3.3%	3.1%	0.9%	1.5%	1.1%
1989-2010	1.7%	2.4%	2.3%	2.7%	3.5%	3.5%	0.0%	0.7%	0.5%
1989-2015	1.6%	2.4%	2.4%	2.7%	3.6%	3.6%	-0.2%	0.5%	0.4%
2000-2015	1.4%	2.3%	2.4%	2.8%	3.9%	4.0%	-1.0%	-0.3%	-0.2%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.094	\$27.8	\$44.4	1.094	\$27.8	\$44.4	1.094	\$27.8	\$44.4
1979	1.235	\$36.4	\$54.5	1.235	\$36.4	\$54.5	1.235	\$36.4	\$54.5
1989	1.556	\$43.2	\$64.1	1.556	\$43.2	\$64.1	1.556	\$43.2	\$64.1
2000	1.620	\$48.1	\$69.1	1.641	\$48.8	\$70.9	1.593	\$47.3	\$67.1
2005	1.661	\$51.1	\$74.9	1.691	\$52.5	\$78.0	1.626	\$49.7	\$71.6
2010	1.722	\$55.5	\$81.1	1.771	\$58.1	\$85.9	1.665	\$52.6	\$75.8
2015	1.749	\$59.3	\$86.6	1.820	\$63.4	\$93.4	1.667	\$54.8	\$79.2

Average Annual Growth Rates

1969-1979	1.2%	2.7%	2.1%	1.2%	2.7%	2.1%	1.2%	2.7%	2.1%
1979-1989	2.3%	1.7%	1.6%	2.3%	1.7%	1.6%	2.3%	1.7%	1.6%
1989-2000	0.4%	1.0%	0.7%	0.5%	1.1%	0.9%	0.2%	0.8%	0.4%
1989-2010	0.5%	1.2%	1.1%	0.6%	1.4%	1.4%	0.3%	0.9%	0.8%
1989-2015	0.5%	1.2%	1.2%	0.6%	1.5%	1.5%	0.3%	0.9%	0.8%
2000-2015	0.5%	1.4%	1.5%	0.7%	1.8%	1.9%	0.3%	1.0%	1.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Chemicals Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	74.0	\$1,996	\$2,504	74.0	\$1,996	\$2,504	74.0	\$1,996	\$2,504
1979	70.8	\$2,397	\$2,741	70.8	\$2,397	\$2,741	70.8	\$2,397	\$2,741
1989	60.0	\$2,271	\$3,005	60.0	\$2,271	\$3,005	60.0	\$2,271	\$3,005
2000	63.2	\$2,892	\$4,120	67.3	\$3,151	\$4,529	55.9	\$2,478	\$3,493
2005	59.2	\$2,925	\$4,497	67.7	\$3,504	\$5,449	46.6	\$2,177	\$3,302
2010	54.6	\$2,971	\$4,909	67.0	\$3,915	\$6,509	38.5	\$1,916	\$3,141
2015	47.6	\$2,840	\$5,053	62.1	\$4,072	\$7,225	30.2	\$1,600	\$2,860
Average Annual Growth Rates									
1969-1979	-0.4%	1.8%	0.9%	-0.4%	1.8%	0.9%	-0.4%	1.8%	0.9%
1979-1989	-1.6%	-0.5%	0.9%	-1.6%	-0.5%	0.9%	-1.6%	-0.5%	0.9%
1989-2000	0.5%	2.2%	2.9%	1.0%	3.0%	3.8%	-0.6%	0.8%	1.4%
1989-2010	-0.4%	1.3%	2.4%	0.5%	2.6%	3.7%	-2.1%	-0.8%	0.2%
1989-2015	-0.9%	0.9%	2.0%	0.1%	2.3%	3.4%	-2.6%	-1.3%	-0.2%
2000-2015	-1.9%	-0.1%	1.4%	-0.5%	1.7%	3.2%	-4.0%	-2.9%	-1.3%
United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	1.060	\$31.4	\$43.6	1.060	\$31.4	\$43.6	1.060	\$31.4	\$43.6
1979	1.109	\$40.6	\$65.1	1.109	\$40.6	\$65.1	1.109	\$40.6	\$65.1
1989	1.074	\$45.1	\$84.1	1.074	\$45.1	\$84.1	1.074	\$45.1	\$84.1
2000	1.079	\$56.2	\$112.7	1.095	\$57.6	\$116.7	1.060	\$54.5	\$108.2
2005	1.042	\$58.8	\$127.4	1.067	\$61.6	\$135.0	1.014	\$55.9	\$119.5
2010	0.980	\$61.2	\$142.3	1.020	\$66.3	\$155.2	0.938	\$56.0	\$129.2
2015	0.891	\$61.7	\$154.6	0.946	\$69.4	\$173.4	0.833	\$53.9	\$135.6
Average Annual Growth Rates									
1969-1979	0.5%	2.6%	4.1%	0.5%	2.6%	4.1%	0.5%	2.6%	4.1%
1979-1989	-0.3%	1.1%	2.6%	-0.3%	1.1%	2.6%	-0.3%	1.1%	2.6%
1989-2000	0.0%	2.0%	2.7%	0.2%	2.2%	3.0%	-0.1%	1.7%	2.3%
1989-2010	-0.4%	1.5%	2.5%	-0.2%	1.8%	3.0%	-0.6%	1.0%	2.1%
1989-2015	-0.7%	1.2%	2.4%	-0.5%	1.7%	2.8%	-1.0%	0.7%	1.9%
2000-2015	-1.3%	0.6%	2.1%	-1.0%	1.2%	2.7%	-1.6%	-0.1%	1.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Rubber and Plastics Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	20.2	\$469	\$518	20.2	\$469	\$518	20.2	\$469	\$518
1979	38.7	\$935	\$1,218	38.7	\$935	\$1,218	38.7	\$935	\$1,218
1989	44.7	\$1,171	\$2,126	44.7	\$1,171	\$2,126	44.7	\$1,171	\$2,126
2000	63.3	\$1,769	\$3,866	69.8	\$1,965	\$4,368	55.6	\$1,541	\$3,305
2005	65.4	\$1,910	\$4,793	78.0	\$2,317	\$5,965	53.1	\$1,521	\$3,697
2010	70.3	\$2,177	\$6,142	91.1	\$2,907	\$8,463	51.6	\$1,546	\$4,197
2015	67.5	\$2,234	\$7,174	94.3	\$3,254	\$10,830	45.1	\$1,424	\$4,376
Average Annual Growth Rates									
1969-1979	6.7%	7.1%	8.9%	6.7%	7.1%	8.9%	6.7%	7.1%	8.9%
1979-1989	1.4%	2.3%	5.7%	1.4%	2.3%	5.7%	1.4%	2.3%	5.7%
1989-2000	3.2%	3.8%	5.6%	4.1%	4.8%	6.8%	2.0%	2.5%	4.1%
1989-2010	2.2%	3.0%	5.2%	3.5%	4.4%	6.8%	0.7%	1.3%	3.3%
1989-2015	1.6%	2.5%	4.8%	2.9%	4.0%	6.5%	0.0%	0.8%	2.8%
2000-2015	0.4%	1.6%	4.2%	2.0%	3.4%	6.2%	-1.4%	-0.5%	1.9%
Year	United States								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.634	\$14.3	\$12.8	0.634	\$14.3	\$12.8	0.634	\$14.3	\$12.8
1979	0.821	\$19.7	\$18.9	0.821	\$19.7	\$18.9	0.821	\$19.7	\$18.9
1989	0.888	\$22.6	\$32.2	0.888	\$22.6	\$32.2	0.888	\$22.6	\$32.2
2000	1.000	\$28.8	\$49.5	1.027	\$29.7	\$51.9	0.966	\$27.8	\$46.9
2005	1.013	\$30.8	\$60.7	1.058	\$32.5	\$65.8	0.965	\$29.1	\$55.5
2010	1.055	\$34.5	\$76.5	1.126	\$37.6	\$86.1	0.981	\$31.4	\$66.9
2015	1.002	\$35.7	\$90.1	1.090	\$40.2	\$105.0	0.912	\$31.3	\$75.5
Average Annual Growth Rates									
1969-1979	2.6%	3.2%	4.0%	2.6%	3.2%	4.0%	2.6%	3.2%	4.0%
1979-1989	0.8%	1.4%	5.5%	0.8%	1.4%	5.5%	0.8%	1.4%	5.5%
1989-2000	1.1%	2.3%	4.0%	1.3%	2.5%	4.4%	0.8%	1.9%	3.5%
1989-2010	0.8%	2.0%	4.2%	1.1%	2.5%	4.8%	0.5%	1.6%	3.5%
1989-2015	0.5%	1.8%	4.0%	0.8%	2.2%	4.7%	0.1%	1.3%	3.3%
2000-2015	0.0%	1.4%	4.1%	0.4%	2.0%	4.8%	-0.4%	0.8%	3.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.5
Employment, Earnings, and Output for the Miscellaneous Nondurables Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	31.3	\$485	\$597	31.3	\$485	\$597	31.3	\$485	\$597
1979	27.3	\$449	\$610	27.3	\$449	\$610	27.3	\$449	\$610
1989	13.8	\$232	\$603	13.8	\$232	\$603	13.8	\$232	\$603
2000	9.4	\$168	\$462	9.8	\$176	\$494	8.8	\$157	\$421
2005	8.4	\$158	\$497	9.1	\$173	\$562	7.3	\$137	\$414
2010	7.4	\$150	\$529	8.3	\$172	\$628	6.0	\$121	\$407
2015	6.4	\$142	\$568	7.4	\$170	\$702	5.0	\$108	\$406
Average Annual Growth Rates									
1969-1979	-1.4%	-0.8%	0.2%	-1.4%	-0.8%	0.2%	-1.4%	-0.8%	0.2%
1979-1989	-6.6%	-6.4%	-0.1%	-6.6%	-6.4%	-0.1%	-6.6%	-6.4%	-0.1%
1989-2000	-3.4%	-2.9%	-2.4%	-3.1%	-2.5%	-1.8%	-4.0%	-3.5%	-3.2%
1989-2010	-3.0%	-2.1%	-0.6%	-2.4%	-1.4%	0.2%	-3.9%	-3.1%	-1.9%
1989-2015	-2.9%	-1.9%	-0.2%	-2.4%	-1.2%	0.6%	-3.8%	-2.9%	-1.5%
2000-2015	-2.5%	-1.1%	1.4%	-1.9%	-0.2%	2.4%	-3.7%	-2.5%	-0.2%
United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	0.608	\$14.5	\$36.2	0.608	\$14.5	\$36.2	0.608	\$14.5	\$36.2
1979	0.526	\$16.8	\$45.4	0.526	\$16.8	\$45.4	0.526	\$16.8	\$45.4
1989	0.344	\$12.5	\$44.5	0.344	\$12.5	\$44.5	0.344	\$12.5	\$44.5
2000	0.275	\$11.5	\$38.7	0.276	\$11.6	\$39.9	0.272	\$11.3	\$37.4
2005	0.255	\$11.1	\$39.5	0.257	\$11.4	\$41.7	0.250	\$10.8	\$37.2
2010	0.229	\$10.7	\$40.1	0.232	\$11.2	\$43.3	0.223	\$10.2	\$36.7
2015	0.205	\$10.3	\$41.0	0.209	\$11.0	\$45.3	0.198	\$9.5	\$36.4
Average Annual Growth Rates									
1969-1979	-1.4%	1.5%	2.3%	-1.4%	1.5%	2.3%	-1.4%	1.5%	2.3%
1979-1989	-4.2%	-2.9%	-0.2%	-4.2%	-2.9%	-0.2%	-4.2%	-2.9%	-0.2%
1989-2000	-2.0%	-0.8%	-1.3%	-2.0%	-0.7%	-1.0%	-2.1%	-0.9%	-1.6%
1989-2010	-1.9%	-0.7%	-0.5%	-1.8%	-0.5%	-0.1%	-2.0%	-1.0%	-0.9%
1989-2015	-2.0%	-0.8%	-0.3%	-1.9%	-0.5%	0.1%	-2.1%	-1.1%	-0.8%
2000-2015	-1.9%	-0.7%	0.4%	-1.8%	-0.3%	0.9%	-2.1%	-1.2%	-0.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.6
Employment, Earnings, and Output for the Transportation/Comm./Utilities Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Power Service Area									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	84.5	\$2,140	\$3,938	84.5	\$2,140	\$3,938	84.5	\$2,140	\$3,938
1979	112.4	\$3,552	\$6,559	112.4	\$3,552	\$6,559	112.4	\$3,552	\$6,559
1989	147.5	\$4,355	\$10,073	147.5	\$4,355	\$10,073	147.5	\$4,355	\$10,073
2000	191.0	\$6,142	\$16,648	203.1	\$6,535	\$18,084	175.2	\$5,643	\$14,963
2005	205.1	\$6,762	\$19,845	229.4	\$7,627	\$23,085	179.6	\$5,935	\$16,833
2010	221.9	\$7,673	\$23,878	259.8	\$9,212	\$29,795	184.2	\$6,318	\$18,804
2015	234.1	\$8,646	\$28,072	284.6	\$10,964	\$37,248	186.3	\$6,734	\$20,695
Average Annual Growth Rates									
1969-1979	2.9%	5.2%	5.2%	2.9%	5.2%	5.2%	2.9%	5.2%	5.2%
1979-1989	2.8%	2.1%	4.4%	2.8%	2.1%	4.4%	2.8%	2.1%	4.4%
1989-2000	2.4%	3.2%	4.7%	3.0%	3.8%	5.5%	1.6%	2.4%	3.7%
1989-2010	2.0%	2.7%	4.2%	2.7%	3.6%	5.3%	1.1%	1.8%	3.0%
1989-2015	1.8%	2.7%	4.0%	2.6%	3.6%	5.2%	0.9%	1.7%	2.8%
2000-2015	1.4%	2.3%	3.5%	2.3%	3.5%	4.9%	0.4%	1.2%	2.2%

United States									
Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	4.441	\$127.2	\$234.1	4.441	\$127.2	\$234.1	4.441	\$127.2	\$234.1
1979	5.136	\$181.7	\$335.5	5.136	\$181.7	\$335.5	5.136	\$181.7	\$335.5
1989	5.625	\$191.5	\$443.0	5.625	\$191.5	\$443.0	5.625	\$191.5	\$443.0
2000	5.906	\$212.8	\$576.8	5.980	\$214.2	\$592.9	5.809	\$211.5	\$560.9
2005	5.936	\$218.3	\$640.7	6.049	\$221.6	\$670.7	5.808	\$215.4	\$610.9
2010	5.921	\$226.0	\$703.3	6.096	\$232.3	\$751.2	5.729	\$219.9	\$654.4
2015	5.751	\$231.3	\$750.9	5.992	\$240.9	\$818.3	5.493	\$221.5	\$680.8
Average Annual Growth Rates									
1969-1979	1.5%	3.6%	3.7%	1.5%	3.6%	3.7%	1.5%	3.6%	3.7%
1979-1989	0.9%	0.5%	2.8%	0.9%	0.5%	2.8%	0.9%	0.5%	2.8%
1989-2000	0.4%	1.0%	2.4%	0.6%	1.0%	2.7%	0.3%	0.9%	2.2%
1989-2010	0.2%	0.8%	2.2%	0.4%	0.9%	2.5%	0.1%	0.7%	1.9%
1989-2015	0.1%	0.7%	2.1%	0.2%	0.9%	2.4%	-0.1%	0.6%	1.7%
2000-2015	-0.2%	0.6%	1.8%	0.0%	0.8%	2.2%	-0.4%	0.3%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.6
Employment, Earnings, and Output for the Wholesale and Retail Trade Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	348.8	\$6,700	\$8,086	348.8	\$6,700	\$8,086	348.8	\$6,700	\$8,086
1979	528.9	\$9,875	\$12,930	528.9	\$9,875	\$12,930	528.9	\$9,875	\$12,930
1989	711.3	\$11,817	\$19,997	711.3	\$11,817	\$19,997	711.3	\$11,817	\$19,997
2000	941.9	\$16,006	\$31,204	988.5	\$16,800	\$33,683	883.9	\$15,067	\$28,338
2005	1,016.4	\$17,441	\$35,991	1,113.7	\$19,226	\$41,452	913.3	\$15,628	\$30,605
2010	1,114.3	\$19,627	\$42,886	1,287.6	\$23,008	\$53,430	948.8	\$16,497	\$33,527
2015	1,212.7	\$22,016	\$51,110	1,475.9	\$27,418	\$68,688	983.3	\$17,433	\$36,915

Average Annual Growth Rates

1969-1979	4.3%	4.0%	4.8%	4.3%	4.0%	4.8%	4.3%	4.0%	4.8%
1979-1989	3.0%	1.8%	4.5%	3.0%	1.8%	4.5%	3.0%	1.8%	4.5%
1989-2000	2.6%	2.8%	4.1%	3.0%	3.3%	4.9%	2.0%	2.2%	3.2%
1989-2010	2.2%	2.4%	3.7%	2.9%	3.2%	4.8%	1.4%	1.6%	2.5%
1989-2015	2.1%	2.4%	3.7%	2.8%	3.3%	4.9%	1.3%	1.5%	2.4%
2000-2015	1.7%	2.1%	3.3%	2.7%	3.3%	4.9%	0.7%	1.0%	1.8%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	14.702	\$305.6	\$368.8	14.702	\$305.6	\$368.8	14.702	\$305.6	\$368.8
1979	20.192	\$405.3	\$530.6	20.192	\$405.3	\$530.6	20.192	\$405.3	\$530.6
1989	25.663	\$480.5	\$813.1	25.663	\$480.5	\$813.1	25.663	\$480.5	\$813.1
2000	29.074	\$560.3	\$1,092.4	29.428	\$567.6	\$1,137.9	28.580	\$551.8	\$1,037.9
2005	30.576	\$594.3	\$1,226.4	31.072	\$608.1	\$1,311.2	29.996	\$580.5	\$1,136.9
2010	32.193	\$641.8	\$1,402.3	33.051	\$669.3	\$1,554.4	31.236	\$613.7	\$1,247.2
2015	33.522	\$689.1	\$1,599.8	34.843	\$734.5	\$1,840.2	32.096	\$643.0	\$1,361.5

Average Annual Growth Rates

1969-1979	3.2%	2.9%	3.7%	3.2%	2.9%	3.7%	3.2%	2.9%	3.7%
1979-1989	2.4%	1.7%	4.4%	2.4%	1.7%	4.4%	2.4%	1.7%	4.4%
1989-2000	1.1%	1.4%	2.7%	1.3%	1.5%	3.1%	1.0%	1.3%	2.2%
1989-2010	1.1%	1.4%	2.6%	1.2%	1.6%	3.1%	0.9%	1.2%	2.1%
1989-2015	1.0%	1.4%	2.6%	1.2%	1.6%	3.2%	0.9%	1.1%	2.0%
2000-2015	1.0%	1.4%	2.6%	1.1%	1.7%	3.3%	0.8%	1.0%	1.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.6
Employment, Earnings, and Output for the Finance/Insurance/Real Estate Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	66.5	\$1,598	\$7,208	66.5	\$1,598	\$7,208	66.5	\$1,598	\$7,208
1979	102.4	\$2,409	\$11,548	102.4	\$2,409	\$11,548	102.4	\$2,409	\$11,548
1989	130.9	\$3,036	\$13,467	130.9	\$3,036	\$13,467	130.9	\$3,036	\$13,467
2000	152.2	\$4,136	\$18,328	161.1	\$4,421	\$19,883	141.7	\$3,781	\$16,455
2005	164.3	\$4,483	\$20,616	183.6	\$5,043	\$23,666	144.2	\$3,905	\$17,513
2010	178.8	\$5,074	\$23,782	213.0	\$6,163	\$29,540	146.2	\$4,072	\$18,559
2015	191.5	\$5,675	\$27,230	243.4	\$7,430	\$36,474	146.6	\$4,202	\$19,576
Average Annual Growth Rates									
1969-1979	4.4%	4.2%	4.8%	4.4%	4.2%	4.8%	4.4%	4.2%	4.8%
1979-1989	2.5%	2.3%	1.5%	2.5%	2.3%	1.5%	2.5%	2.3%	1.5%
1989-2000	1.4%	2.8%	2.8%	1.9%	3.5%	3.6%	0.7%	2.0%	1.8%
1989-2010	1.5%	2.5%	2.7%	2.3%	3.4%	3.8%	0.5%	1.4%	1.5%
1989-2015	1.5%	2.4%	2.7%	2.4%	3.5%	3.9%	0.4%	1.3%	1.4%
2000-2015	1.5%	2.1%	2.7%	2.8%	3.5%	4.1%	0.2%	0.7%	1.2%
Year	United States								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	3.511	\$99.5	\$448.9	3.511	\$99.5	\$448.9	3.511	\$99.5	\$448.9
1979	4.975	\$139.2	\$667.4	4.975	\$139.2	\$667.4	4.975	\$139.2	\$667.4
1989	6.669	\$195.9	\$869.0	6.669	\$195.9	\$869.0	6.669	\$195.9	\$869.0
2000	7.270	\$246.8	\$1,093.8	7.394	\$251.7	\$1,131.8	7.135	\$242.2	\$1,054.2
2005	7.651	\$266.1	\$1,223.9	7.848	\$275.4	\$1,292.6	7.440	\$257.1	\$1,153.1
2010	8.024	\$290.0	\$1,359.3	8.305	\$305.6	\$1,464.9	7.731	\$274.5	\$1,251.2
2015	8.227	\$310.1	\$1,488.2	8.591	\$332.8	\$1,633.5	7.860	\$287.8	\$1,340.7
Average Annual Growth Rates									
1969-1979	3.5%	3.4%	4.0%	3.5%	3.4%	4.0%	3.5%	3.4%	4.0%
1979-1989	3.0%	3.5%	2.7%	3.0%	3.5%	2.7%	3.0%	3.5%	2.7%
1989-2000	0.8%	2.1%	2.1%	0.9%	2.3%	2.4%	0.6%	1.9%	1.8%
1989-2010	0.9%	1.9%	2.2%	1.1%	2.1%	2.5%	0.7%	1.6%	1.8%
1989-2015	0.8%	1.8%	2.1%	1.0%	2.1%	2.5%	0.6%	1.5%	1.7%
2000-2015	0.8%	1.5%	2.1%	1.0%	1.9%	2.5%	0.6%	1.2%	1.6%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table A.6
Employment, Earnings, and Output for the Services Sector
for the Power Service Area and the United States
Long-Term Trends, History, and Forecast

Year	Power Service Area								
	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	245.9	\$5,627	\$8,006	245.9	\$5,627	\$8,006	245.9	\$5,627	\$8,006
1979	363.6	\$8,557	\$11,749	363.6	\$8,557	\$11,749	363.6	\$8,557	\$11,749
1989	610.2	\$14,696	\$17,152	610.2	\$14,696	\$17,152	610.2	\$14,696	\$17,152
2000	1,011.6	\$24,899	\$25,865	1,075.2	\$26,727	\$28,433	940.6	\$23,045	\$23,276
2005	1,137.0	\$28,254	\$28,822	1,268.9	\$32,272	\$34,119	1,001.5	\$24,533	\$23,991
2010	1,284.8	\$32,902	\$32,795	1,515.5	\$41,045	\$42,748	1,064.8	\$26,449	\$25,020
2015	1,432.2	\$37,900	\$36,861	1,778.4	\$51,602	\$52,708	1,123.3	\$28,338	\$25,959

Average Annual Growth Rates

1969-1979	4.0%	4.3%	3.9%	4.0%	4.3%	3.9%	4.0%	4.3%	3.9%
1979-1989	5.3%	5.6%	3.9%	5.3%	5.6%	3.9%	5.3%	5.6%	3.9%
1989-2000	4.7%	4.9%	3.8%	5.3%	5.6%	4.7%	4.0%	4.2%	2.8%
1989-2010	3.6%	3.9%	3.1%	4.4%	5.0%	4.4%	2.7%	2.8%	1.8%
1989-2015	3.3%	3.7%	3.0%	4.2%	4.9%	4.4%	2.4%	2.6%	1.6%
2000-2015	2.3%	2.8%	2.4%	3.4%	4.5%	4.2%	1.2%	1.4%	0.7%

United States

Year	Control			High			Low		
	Employment	Earnings	Product	Employment	Earnings	Product	Employment	Earnings	Product
1969	11.169	\$280.9	\$399.6	11.169	\$280.9	\$399.6	11.169	\$280.9	\$399.6
1979	17.112	\$431.8	\$592.8	17.112	\$431.8	\$592.8	17.112	\$431.8	\$592.8
1989	26.906	\$725.5	\$846.8	26.906	\$725.5	\$846.8	26.906	\$725.5	\$846.8
2000	38.309	\$1,109.8	\$1,152.8	38.519	\$1,120.5	\$1,192.0	38.025	\$1,099.3	\$1,110.3
2005	43.443	\$1,282.4	\$1,308.2	43.819	\$1,308.9	\$1,383.7	43.021	\$1,258.3	\$1,230.5
2010	48.272	\$1,474.5	\$1,469.6	49.036	\$1,531.1	\$1,594.6	47.486	\$1,419.4	\$1,342.7
2015	52.955	\$1,673.2	\$1,627.4	54.309	\$1,772.1	\$1,810.1	51.609	\$1,575.8	\$1,443.5

Average Annual Growth Rates

1969-1979	4.4%	4.4%	4.0%	4.4%	4.4%	4.0%	4.4%	4.4%	4.0%
1979-1989	4.6%	5.3%	3.6%	4.6%	5.3%	3.6%	4.6%	5.3%	3.6%
1989-2000	3.3%	3.9%	2.8%	3.3%	4.0%	3.2%	3.2%	3.8%	2.5%
1989-2010	2.8%	3.4%	2.7%	2.9%	3.6%	3.1%	2.7%	3.2%	2.2%
1989-2015	2.6%	3.3%	2.5%	2.7%	3.5%	3.0%	2.5%	3.0%	2.1%
2000-2015	2.2%	2.8%	2.3%	2.3%	3.1%	2.8%	2.1%	2.4%	1.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.

U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

SHORT-TERM FORECASTS

The regional control economic forecast presented in this section was completed in January 1994. It is based on DRI/McGraw-Hill's national economic forecast as reported in the January 1994 Review of the U.S. Economy. The optimistic and pessimistic regional forecasts were completed in March 1994. They are based on DRI's high and low national forecasts as reported in the Winter 1993-1994 Review of the U.S. Economy.

Table B.Control.1
Selected Indicators for the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

	1992	1993	1994	1995	1996
GDP Deflator	1.21	1.24	1.27	1.31	1.34
Annual Growth Rate	2.9%	2.6%	2.5%	2.5%	2.6%
Personal Consumption Exp. Deflator	1.24	1.27	1.30	1.34	1.39
Annual Growth Rate	3.3%	2.7%	2.6%	3.1%	3.3%
Consumer Price Index	1.40	1.45	1.49	1.53	1.59
Annual Growth Rate	3.0%	2.9%	2.9%	3.2%	3.4%
CPI (Excluding Food & Energy)	1.48	1.52	1.57	1.62	1.68
Annual Growth Rate	3.7%	3.3%	3.0%	3.2%	3.4%
Producer Price Index	1.23	1.25	1.26	1.30	1.33
Annual Growth Rate	1.2%	1.3%	1.2%	2.6%	2.9%
PPI (Industrial Commodities)	1.17	1.19	1.20	1.22	1.26
Annual Growth Rate	0.8%	1.4%	0.5%	2.2%	2.7%
Federal Funds Rate	3.5%	3.0%	3.4%*	3.9%*	3.5%
Annual Change (% points)	-2.2%	-0.5%	0.4%	0.5%	-0.4%
Prime Rate (4-6 Months)	6.3%	6.0%	6.3%*	6.3%*	6.0%
Annual Change (% points)	-2.2%	-0.3%	0.3%	0.0%	-0.3%
3-Month Treasury Bills	3.4%	3.0%	3.5%*	3.6%*	3.2%
Annual Change (% points)	-1.9%	-0.4%	0.5%	0.1%	-0.4%
10-Year Treasury Bonds	7.0%	5.9%	5.9%*	5.9%*	5.9%
Annual Change (% points)	-0.8%	-1.1%	0.0%	0.1%	-0.1%
30-Year Treasury Bonds	7.7%	6.6%	6.3%*	6.3%*	6.2%
Annual Change (% points)	-0.5%	-1.1%	-0.3%	0.0%	-0.1%
30-Year Fixed Mortgage Rate	8.3%	7.3%	7.1%*	7.3%*	7.2%
Annual Change (% points)	-1.1%	-1.0%	-0.2%	0.2%	-0.1%
Car Sales (Millions)	8.38	8.75	9.35	9.13	8.78
Annual Growth Rate	0.0%	4.4%	6.9%	-2.4%	-3.8%
Housing Starts (Millions)	1.21	1.28	1.43	1.40	1.43
Annual Growth Rate	19.5%	5.8%	11.7%	-2.0%	2.2%
Federal Budget Surplus (Billions)	-\$327.0	-\$240.4	-\$182.9	-\$188.9	-\$201.3
Annual Growth Rate	22.5%	-26.5%	-23.9%	3.3%	6.6%
U.S. Dollar Exchange Rate	0.84	0.88	0.91	0.88	0.86
Annual Growth Rate	-1.3%	4.4%	3.2%	-3.1%	-2.4%
Exports (Billions 1987 \$)	\$578.0	\$594.1	\$610.8	\$645.7	\$701.4
Annual Growth Rate	6.4%	2.8%	2.8%	5.7%	8.6%
Price/Barrel of Foreign Crude Oil	\$18.11	\$16.36	\$16.01	\$17.32	\$19.02
Annual Growth Rate	-3.3%	-9.7%	-2.1%	8.2%	9.8%

* Interest rates have risen significantly since this forecast was done due to the unexpected strength of the economy at the beginning of the year. Current expectations have changed for 1994 and 1995. DRI now expects rates to fluctuate around the current levels. As of June 1994, the following rates prevailed: Federal Funds Rate 4.3%; Prime Rate 7.3%; 3-Month Treasury Bills 4.1%; 10-Year Treasury Bonds 7.1%; 30-Year Treasury Bonds 7.4%; and 30-Year Fixed Mortgage Rate 8.7%.

Table B.Control.2
Selected Indicators for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nonfarm Payroll Employment	3,289.7	3,403.0	3,550.1	3,662.0	3,741.0
Annual Growth Rate	4.1%	3.4%	4.3%	3.2%	2.2%
Total Income (1987 \$)	\$101,404	\$106,170	\$111,566	\$115,641	\$118,581
Annual Growth Rate	4.8%	4.7%	5.1%	3.7%	2.5%
Total Income (Current \$)	\$125,614	\$135,035	\$145,579	\$155,532	\$164,772
Annual Growth Rate	8.3%	7.5%	7.8%	6.8%	5.9%
Gross Regional Product (1987 \$)	\$121,536	\$129,361	\$137,426	\$142,959	\$147,819
Annual Growth Rate	4.6%	6.4%	6.2%	4.0%	3.4%
Gross Regional Product (Current \$)	\$147,119	\$160,683	\$174,900	\$186,509	\$197,758
Annual Growth Rate	7.6%	9.2%	8.8%	6.6%	6.0%
Population (Thousands)*	7,451.7	7,531.7	7,614.9	7,700.8	7,784.8
Annual Growth Rate	1.3%	1.1%	1.1%	1.1%	1.1%
Households (Thousands)	2,822.4	2,844.5	2,874.6	2,907.5	2,941.8
Annual Growth Rate	1.7%	0.8%	1.1%	1.1%	1.2%
Per Capita Income (1987 \$)	\$13,608	\$14,096	\$14,651	\$15,017	\$15,232
Annual Growth Rate	3.4%	3.6%	3.9%	2.5%	1.4%
Per Capita Income (Current \$)	\$16,857	\$17,928	\$19,118	\$20,197	\$21,165
Annual Growth Rate	6.9%	6.4%	6.6%	5.6%	4.8%
Unemployment Rate [†]	6.7%	6.0%	5.9%	6.2%	6.6%
United States					
Nonfarm Payroll Employment	108.5	110.2	112.5	114.8	116.8
Annual Growth Rate	0.2%	1.5%	2.1%	2.0%	1.8%
Total Income (1987 \$)	\$4,153.3	\$4,236.9	\$4,369.9	\$4,474.8	\$4,563.3
Annual Growth Rate	2.6%	2.0%	3.1%	2.4%	2.0%
Total Income (Current \$)	\$5,144.9	\$5,388.8	\$5,702.1	\$6,018.4	\$6,340.9
Annual Growth Rate	6.1%	4.7%	5.8%	5.5%	5.4%
Gross Domestic Product (1987 \$)	\$4,986.3	\$5,129.3	\$5,294.6	\$5,405.6	\$5,526.0
Annual Growth Rate	2.6%	2.9%	3.2%	2.1%	2.2%
Gross Domestic Product (Current \$)	\$6,038.5	\$6,373.5	\$6,742.3	\$7,057.1	\$7,398.7
Annual Growth Rate	5.5%	5.5%	5.8%	4.7%	4.8%
Population (Millions)*	255.8	258.4	261.0	263.6	266.1
Annual Growth Rate	1.1%	1.0%	1.0%	1.0%	0.9%
Households (Millions)	95.7	96.4	97.3	98.3	99.3
Annual Growth Rate	1.4%	0.8%	1.0%	1.0%	1.0%
Per Capita Income (1987 \$)	\$16,239	\$16,395	\$16,741	\$16,977	\$17,151
Annual Growth Rate	1.5%	1.0%	2.1%	1.4%	1.0%
Per Capita Income (Current \$)	\$20,116	\$20,852	\$21,845	\$22,833	\$23,832
Annual Growth Rate	4.9%	3.7%	4.8%	4.5%	4.4%
Unemployment Rate [†]	7.4%	6.8%	6.5%	6.4%	6.6%

* The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are now included in the total. Heretofore, the data reflected only the nation's resident population.

† Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table B.Control.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Manufacturing					
Employment	873.8	890.4	916.5	930.6	932.8
Annual Growth Rate	3.6%	1.9%	2.9%	1.5%	0.2%
Earnings	\$20,833	\$21,899	\$23,039	\$23,686	\$23,985
Annual Growth Rate	6.1%	5.1%	5.2%	2.8%	1.3%
Output	\$34,807	\$37,583	\$40,363	\$42,380	\$44,373
Annual Growth Rate	7.6%	8.0%	7.4%	5.0%	4.7%
Construction					
Employment	130.9	138.9	146.2	153.6	158.0
Annual Growth Rate	1.3%	6.1%	5.2%	5.1%	2.9%
Earnings	\$3,810	\$4,088	\$4,394	\$4,702	\$4,917
Annual Growth Rate	4.3%	7.3%	7.5%	7.0%	4.6%
Output	\$4,728	\$5,045	\$5,310	\$5,530	\$5,675
Annual Growth Rate	5.0%	6.7%	5.3%	4.1%	2.6%
United States					
Manufacturing					
Employment	18.041	17.813	17.757	17.520	17.195
Annual Growth Rate	-2.0%	-1.3%	-0.3%	-1.3%	-1.9%
Earnings	\$556.8	\$558.8	\$569.7	\$566.4	\$559.4
Annual Growth Rate	1.6%	0.4%	2.0%	-0.6%	-1.2%
Output	\$936.2	\$969.0	\$1,008.4	\$1,025.3	\$1,046.6
Annual Growth Rate	3.1%	3.5%	4.1%	1.7%	2.1%
Construction					
Employment	4.471	4.570	4.829	5.077	5.222
Annual Growth Rate	-3.9%	2.2%	5.7%	5.1%	2.9%
Earnings	\$155.7	\$159.6	\$170.9	\$182.4	\$190.5
Annual Growth Rate	-0.6%	2.5%	7.1%	6.7%	4.4%
Output	\$193.2	\$196.9	\$206.5	\$214.5	\$219.9
Annual Growth Rate	0.0%	1.9%	4.9%	3.9%	2.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Private Commercial					
Employment	1,748.5	1,834.1	1,937.4	2,016.5	2,074.9
Annual Growth Rate	5.6%	4.9%	5.6%	4.1%	2.9%
Earnings	\$37,221	\$39,591	\$42,375	\$44,157	\$45,405
Annual Growth Rate	6.2%	6.4%	7.0%	4.2%	2.8%
Output	\$64,692	\$69,263	\$73,993	\$77,091	\$79,625
Annual Growth Rate	4.1%	7.1%	6.8%	4.2%	3.3%
Government*					
Employment	529.8	533.1	543.6	555.0	568.9
Annual Growth Rate	1.1%	0.6%	2.0%	2.1%	2.5%
Earnings	\$11,952	\$12,203	\$12,578	\$12,861	\$13,180
Annual Growth Rate	1.5%	2.1%	3.1%	2.2%	2.5%
Output	\$14,505	\$14,472	\$14,655	\$14,846	\$15,039
Annual Growth Rate	0.1%	-0.2%	1.3%	1.3%	1.3%
United States					
Private Commercial					
Employment	66.721	68.351	70.204	72.151	73.913
Annual Growth Rate	0.9%	2.4%	2.7%	2.8%	2.4%
Earnings	\$1,694.1	\$1,742.7	\$1,814.7	\$1,865.7	\$1,911.8
Annual Growth Rate	4.9%	2.9%	4.1%	2.8%	2.5%
Output	\$3,085.3	\$3,194.5	\$3,309.3	\$3,392.5	\$3,479.0
Annual Growth Rate	3.2%	3.5%	3.6%	2.5%	2.6%
Government*					
Employment	18.653	18.841	19.090	19.432	19.878
Annual Growth Rate	1.4%	1.0%	1.3%	1.8%	2.3%
Earnings	\$488.7	\$499.3	\$509.7	\$517.2	\$528.5
Annual Growth Rate	2.1%	2.2%	2.1%	1.5%	2.2%
Output	\$593.1	\$592.1	\$593.8	\$597.0	\$603.1
Annual Growth Rate	0.7%	-0.2%	0.3%	0.5%	1.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table B.Control.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Durables					
Employment	418.3	430.9	451.1	461.7	463.3
Annual Growth Rate	4.4%	3.0%	4.7%	2.4%	0.3%
Earnings	\$10,549	\$11,294	\$12,085	\$12,477	\$12,612
Annual Growth Rate	6.8%	7.1%	7.0%	3.2%	1.1%
Output	\$16,948	\$19,072	\$21,053	\$22,376	\$23,595
Annual Growth Rate	9.8%	12.5%	10.4%	6.3%	5.4%
Lumber					
Employment	36.0	36.2	37.6	38.0	38.1
Annual Growth Rate	1.0%	0.8%	3.6%	1.2%	0.2%
Earnings	\$727	\$828	\$885	\$915	\$917
Annual Growth Rate	-4.3%	13.8%	7.0%	3.3%	0.2%
Output	\$786	\$897	\$948	\$980	\$1,005
Annual Growth Rate	-1.7%	14.1%	5.7%	3.4%	2.6%
United States					
Durables					
Employment	10.237	10.054	10.043	9.865	9.573
Annual Growth Rate	-3.1%	-1.8%	-0.1%	-1.8%	-3.0%
Earnings	\$336.3	\$336.9	\$343.9	\$339.5	\$331.0
Annual Growth Rate	1.0%	0.2%	2.1%	-1.3%	-2.5%
Output	\$542.3	\$570.8	\$600.8	\$611.7	\$623.4
Annual Growth Rate	3.8%	5.3%	5.3%	1.8%	1.9%
Lumber					
Employment	0.674	0.686	0.710	0.713	0.712
Annual Growth Rate	-0.1%	1.7%	3.6%	0.4%	-0.1%
Earnings	\$17.3	\$17.5	\$18.7	\$18.8	\$18.8
Annual Growth Rate	3.4%	1.3%	7.0%	0.5%	-0.1%
Output	\$28.3	\$29.2	\$30.9	\$31.1	\$31.8
Annual Growth Rate	6.2%	3.2%	5.7%	0.6%	2.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Furniture					
Employment	56.5	58.3	61.2	63.2	64.2
Annual Growth Rate	7.7%	3.1%	4.9%	3.3%	1.5%
Earnings	\$1,010	\$1,119	\$1,188	\$1,241	\$1,275
Annual Growth Rate	9.4%	10.9%	6.1%	4.5%	2.7%
Output	\$1,201	\$1,376	\$1,493	\$1,573	\$1,643
Annual Growth Rate	10.3%	14.6%	8.5%	5.3%	4.4%
Stone/Clay/Glass					
Employment	20.8	21.0	22.1	23.1	23.6
Annual Growth Rate	10.3%	0.8%	5.4%	4.6%	2.2%
Earnings	\$510	\$546	\$578	\$610	\$629
Annual Growth Rate	7.9%	7.1%	5.9%	5.5%	3.1%
Output	\$807	\$874	\$957	\$1,032	\$1,092
Annual Growth Rate	12.0%	8.3%	9.6%	7.7%	5.8%
United States					
Furniture					
Employment	0.476	0.480	0.492	0.494	0.490
Annual Growth Rate	0.3%	0.9%	2.4%	0.4%	-0.8%
Earnings	\$10.3	\$11.0	\$11.5	\$11.7	\$11.7
Annual Growth Rate	5.0%	7.3%	4.6%	1.3%	0.4%
Output	\$15.1	\$16.7	\$17.9	\$18.3	\$18.6
Annual Growth Rate	5.8%	10.9%	7.0%	2.1%	2.0%
Stone/Clay/Glass					
Employment	0.512	0.512	0.524	0.531	0.532
Annual Growth Rate	-1.8%	0.0%	2.3%	1.3%	0.2%
Earnings	\$14.7	\$15.3	\$15.8	\$16.1	\$16.2
Annual Growth Rate	1.1%	4.1%	3.6%	1.5%	0.6%
Output	\$24.8	\$26.0	\$27.8	\$28.6	\$29.4
Annual Growth Rate	4.3%	4.8%	6.6%	3.1%	2.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Primary Metals					
Employment	26.9	27.5	28.2	28.6	28.5
Annual Growth Rate	0.2%	2.5%	2.6%	1.2%	-0.3%
Earnings	\$1,020	\$1,046	\$1,106	\$1,125	\$1,132
Annual Growth Rate	14.1%	2.5%	5.7%	1.7%	0.7%
Output	\$870	\$904	\$933	\$951	\$968
Annual Growth Rate	13.5%	3.9%	3.3%	1.9%	1.7%
Fabricated Metal Products					
Employment	47.9	49.0	50.9	52.8	53.7
Annual Growth Rate	-1.3%	2.5%	3.9%	3.7%	1.7%
Earnings	\$1,183	\$1,209	\$1,269	\$1,319	\$1,343
Annual Growth Rate	2.3%	2.2%	5.0%	3.9%	1.8%
Output	\$1,774	\$1,865	\$2,012	\$2,131	\$2,231
Annual Growth Rate	5.9%	5.1%	7.9%	5.9%	4.7%
United States					
Primary Metals					
Employment	0.693	0.676	0.676	0.666	0.643
Annual Growth Rate	-4.0%	-2.6%	0.1%	-1.5%	-3.4%
Earnings	\$26.0	\$25.8	\$26.2	\$25.9	\$25.3
Annual Growth Rate	4.3%	-0.8%	1.6%	-1.0%	-2.4%
Output	\$34.2	\$35.2	\$36.7	\$36.6	\$36.5
Annual Growth Rate	2.5%	2.8%	4.3%	-0.2%	-0.3%
Fabricated Metal Products					
Employment	1.322	1.311	1.331	1.330	1.302
Annual Growth Rate	-2.4%	-0.9%	1.6%	-0.1%	-2.1%
Earnings	\$38.5	\$38.9	\$39.9	\$39.9	\$39.1
Annual Growth Rate	-1.1%	1.2%	2.5%	0.0%	-2.0%
Output	\$57.7	\$60.0	\$63.2	\$64.5	\$64.9
Annual Growth Rate	2.4%	4.0%	5.4%	1.9%	0.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Machinery					
Employment	131.0	135.8	144.5	148.3	147.9
Annual Growth Rate	4.0%	3.6%	6.5%	2.6%	-0.3%
Earnings	\$3,234	\$3,497	\$3,840	\$3,984	\$4,004
Annual Growth Rate	6.7%	8.1%	9.8%	3.8%	0.5%
Output	\$6,351	\$7,381	\$8,295	\$8,952	\$9,510
Annual Growth Rate	11.0%	16.2%	12.4%	7.9%	6.2%
Transportation Equipment					
Employment	67.1	69.9	72.7	73.5	73.5
Annual Growth Rate	10.7%	4.3%	4.0%	1.0%	0.0%
Earnings	\$2,128	\$2,279	\$2,422	\$2,465	\$2,486
Annual Growth Rate	9.8%	7.1%	6.3%	1.8%	0.9%
Output	\$4,106	\$4,665	\$5,249	\$5,544	\$5,902
Annual Growth Rate	11.9%	13.6%	12.5%	5.6%	6.5%
United States					
Machinery					
Employment	3.448	3.419	3.437	3.366	3.237
Annual Growth Rate	-4.0%	-0.8%	0.5%	-2.1%	-3.8%
Earnings	\$114.9	\$116.4	\$120.9	\$119.4	\$115.4
Annual Growth Rate	0.3%	1.3%	3.9%	-1.3%	-3.3%
Output	\$200.7	\$220.0	\$236.2	\$244.7	\$252.3
Annual Growth Rate	6.1%	9.6%	7.4%	3.6%	3.1%
Transportation Equipment					
Employment	1.822	1.727	1.658	1.578	1.488
Annual Growth Rate	-3.6%	-5.2%	-4.0%	-4.8%	-5.7%
Earnings	\$72.0	\$70.1	\$69.0	\$66.2	\$63.0
Annual Growth Rate	1.2%	-2.6%	-1.6%	-4.1%	-4.9%
Output	\$113.8	\$116.7	\$120.6	\$119.6	\$119.6
Annual Growth Rate	2.2%	2.5%	3.3%	-0.8%	0.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Instruments					
Employment	14.1	14.6	14.8	15.0	15.1
Annual Growth Rate	-8.9%	3.6%	1.4%	1.1%	0.6%
Earnings	\$383	\$389	\$405	\$416	\$425
Annual Growth Rate	1.6%	1.7%	4.1%	2.7%	2.2%
Output	\$414	\$426	\$446	\$470	\$495
Annual Growth Rate	1.9%	2.8%	4.9%	5.2%	5.3%
Miscellaneous Manufacturing					
Employment	18.0	18.4	18.9	19.2	18.8
Annual Growth Rate	10.6%	2.3%	2.7%	1.4%	-2.1%
Earnings	\$354	\$381	\$391	\$403	\$400
Annual Growth Rate	8.8%	7.6%	2.7%	2.9%	-0.7%
Output	\$639	\$686	\$719	\$744	\$751
Annual Growth Rate	8.1%	7.3%	4.8%	3.5%	0.9%
United States					
Instruments					
Employment	0.925	0.881	0.855	0.833	0.821
Annual Growth Rate	-5.1%	-4.7%	-3.0%	-2.5%	-1.5%
Earnings	\$33.5	\$32.5	\$32.2	\$32.0	\$32.0
Annual Growth Rate	-0.9%	-3.0%	-0.7%	-0.8%	0.2%
Output	\$51.0	\$50.1	\$50.1	\$50.9	\$52.6
Annual Growth Rate	-0.3%	-1.9%	0.0%	1.7%	3.3%
Miscellaneous Manufacturing					
Employment	0.364	0.362	0.360	0.354	0.347
Annual Growth Rate	-0.5%	-0.5%	-0.3%	-1.7%	-1.9%
Earnings	\$9.2	\$9.4	\$9.5	\$9.5	\$9.4
Annual Growth Rate	4.1%	1.9%	0.9%	-0.4%	-0.5%
Output	\$16.7	\$17.0	\$17.5	\$17.5	\$17.7
Annual Growth Rate	3.4%	1.7%	3.0%	0.2%	1.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nondurables					
Employment	455.6	459.5	465.4	468.9	469.6
Annual Growth Rate	2.9%	0.9%	1.3%	0.7%	0.1%
Earnings	\$10,283	\$10,605	\$10,954	\$11,208	\$11,373
Annual Growth Rate	5.3%	3.1%	3.3%	2.3%	1.5%
Output	\$17,859	\$18,510	\$19,310	\$20,003	\$20,778
Annual Growth Rate	5.5%	3.6%	4.3%	3.6%	3.9%
Food					
Employment	63.1	64.0	64.8	65.7	65.7
Annual Growth Rate	-0.6%	1.5%	1.2%	1.4%	0.1%
Earnings	\$1,408	\$1,453	\$1,485	\$1,517	\$1,525
Annual Growth Rate	2.6%	3.2%	2.2%	2.2%	0.5%
Output	\$3,101	\$3,198	\$3,287	\$3,398	\$3,482
Annual Growth Rate	1.2%	3.1%	2.8%	3.4%	2.5%
United States					
Nondurables					
Employment	7.804	7.759	7.714	7.655	7.622
Annual Growth Rate	-0.4%	-0.6%	-0.6%	-0.8%	-0.4%
Earnings	\$220.5	\$221.9	\$225.8	\$227.0	\$228.4
Annual Growth Rate	2.6%	0.6%	1.8%	0.5%	0.6%
Output	\$393.9	\$398.1	\$407.6	\$413.6	\$423.2
Annual Growth Rate	2.0%	1.1%	2.4%	1.5%	2.3%
Food					
Employment	1.655	1.651	1.647	1.636	1.629
Annual Growth Rate	-0.7%	-0.2%	-0.3%	-0.6%	-0.4%
Earnings	\$42.7	\$43.2	\$43.5	\$43.5	\$43.5
Annual Growth Rate	2.5%	1.2%	0.8%	0.0%	-0.1%
Output	\$83.9	\$84.8	\$86.0	\$87.0	\$88.6
Annual Growth Rate	1.1%	1.1%	1.4%	1.2%	1.9%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Textiles					
Employment	82.2	83.5	86.4	88.1	88.2
Annual Growth Rate	7.1%	1.6%	3.5%	1.9%	0.1%
Earnings	\$1,601	\$1,700	\$1,769	\$1,816	\$1,833
Annual Growth Rate	10.4%	6.2%	4.1%	2.7%	1.0%
Output	\$2,573	\$2,698	\$2,888	\$3,022	\$3,168
Annual Growth Rate	17.4%	4.9%	7.0%	4.7%	4.8%
Apparel					
Employment	110.1	110.0	107.8	105.6	103.6
Annual Growth Rate	-0.3%	-0.1%	-2.0%	-2.1%	-1.9%
Earnings	\$1,417	\$1,418	\$1,408	\$1,386	\$1,364
Annual Growth Rate	4.8%	0.1%	-0.7%	-1.6%	-1.6%
Output	\$2,161	\$2,172	\$2,182	\$2,205	\$2,258
Annual Growth Rate	3.5%	0.5%	0.5%	1.0%	2.4%
United States					
Textiles					
Employment	0.671	0.666	0.661	0.649	0.636
Annual Growth Rate	0.2%	-0.7%	-0.8%	-1.9%	-2.0%
Earnings	\$13.3	\$13.7	\$13.8	\$13.5	\$13.4
Annual Growth Rate	2.8%	3.1%	0.1%	-1.6%	-1.3%
Output	\$23.3	\$23.7	\$24.4	\$24.5	\$25.1
Annual Growth Rate	9.3%	1.9%	3.0%	0.3%	2.5%
Apparel					
Employment	1.005	0.978	0.932	0.893	0.863
Annual Growth Rate	-0.1%	-2.7%	-4.7%	-4.2%	-3.3%
Earnings	\$16.0	\$15.7	\$15.2	\$14.6	\$14.2
Annual Growth Rate	2.3%	-1.8%	-3.1%	-3.9%	-3.1%
Output	\$23.7	\$23.2	\$22.7	\$22.3	\$22.4
Annual Growth Rate	0.4%	-1.9%	-2.4%	-1.6%	0.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Paper					
Employment	30.5	30.7	30.9	31.1	31.5
Annual Growth Rate	4.7%	0.6%	0.8%	0.8%	1.2%
Earnings	\$950	\$997	\$1,034	\$1,067	\$1,106
Annual Growth Rate	6.5%	5.0%	3.6%	3.3%	3.6%
Output	\$2,634	\$2,770	\$2,910	\$3,018	\$3,168
Annual Growth Rate	5.7%	5.2%	5.0%	3.7%	5.0%
Printing and Publishing					
Employment	44.6	45.6	47.1	48.6	50.1
Annual Growth Rate	-0.8%	2.1%	3.5%	3.1%	3.0%
Earnings	\$1,032	\$1,031	\$1,082	\$1,123	\$1,158
Annual Growth Rate	4.8%	0.0%	4.9%	3.7%	3.2%
Output	\$1,437	\$1,446	\$1,491	\$1,545	\$1,594
Annual Growth Rate	3.1%	0.6%	3.2%	3.6%	3.2%
United States					
Paper					
Employment	0.687	0.680	0.673	0.664	0.658
Annual Growth Rate	-0.1%	-1.0%	-1.0%	-1.3%	-1.0%
Earnings	\$22.9	\$23.7	\$24.1	\$24.3	\$24.6
Annual Growth Rate	3.2%	3.2%	2.0%	0.8%	1.2%
Output	\$42.8	\$44.1	\$45.5	\$46.1	\$47.3
Annual Growth Rate	1.8%	3.2%	3.1%	1.3%	2.6%
Printing and Publishing					
Employment	1.504	1.505	1.511	1.530	1.555
Annual Growth Rate	-2.1%	0.1%	0.4%	1.3%	1.6%
Earnings	\$42.3	\$41.7	\$42.8	\$43.6	\$44.4
Annual Growth Rate	1.3%	-1.2%	2.5%	1.9%	1.9%
Output	\$61.3	\$60.9	\$61.4	\$62.5	\$63.7
Annual Growth Rate	-0.3%	-0.6%	0.8%	1.7%	2.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Chemicals					
Employment	62.2	63.0	63.3	63.9	64.1
Annual Growth Rate	1.9%	1.2%	0.6%	0.9%	0.3%
Earnings	\$2,392	\$2,462	\$2,565	\$2,646	\$2,704
Annual Growth Rate	-0.4%	2.9%	4.2%	3.2%	2.2%
Output	\$3,128	\$3,276	\$3,446	\$3,580	\$3,703
Annual Growth Rate	-0.2%	4.7%	5.2%	3.9%	3.4%
Rubber and Plastics					
Employment	50.5	50.8	53.4	55.1	56.1
Annual Growth Rate	13.3%	0.6%	5.2%	3.0%	1.9%
Earnings	\$1,271	\$1,336	\$1,412	\$1,466	\$1,504
Annual Growth Rate	14.7%	5.1%	5.7%	3.8%	2.6%
Output	\$2,316	\$2,447	\$2,635	\$2,783	\$2,956
Annual Growth Rate	13.5%	5.6%	7.7%	5.6%	6.2%
United States					
Chemicals					
Employment	1.083	1.074	1.068	1.071	1.073
Annual Growth Rate	0.7%	-0.8%	-0.6%	0.2%	0.2%
Earnings	\$47.9	\$48.0	\$49.4	\$50.5	\$51.5
Annual Growth Rate	2.4%	0.2%	2.9%	2.2%	2.0%
Output	\$88.2	\$90.0	\$93.5	\$96.2	\$99.3
Annual Growth Rate	2.6%	2.0%	3.9%	2.9%	3.3%
Rubber and Plastics					
Employment	0.872	0.886	0.911	0.916	0.919
Annual Growth Rate	1.2%	1.6%	2.8%	0.6%	0.3%
Earnings	\$22.9	\$23.5	\$24.7	\$25.0	\$25.2
Annual Growth Rate	5.6%	2.5%	5.1%	1.2%	1.1%
Output	\$32.8	\$33.8	\$36.2	\$37.3	\$39.0
Annual Growth Rate	4.6%	3.0%	7.1%	3.0%	4.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Miscellaneous Nondurables					
Employment	12.4	12.0	11.6	10.9	10.3
Annual Growth Rate	0.5%	-3.4%	-3.3%	-6.3%	-4.6%
Earnings	\$213	\$207	\$199	\$187	\$179
Annual Growth Rate	2.9%	-2.6%	-3.8%	-6.1%	-4.3%
Output	\$507	\$503	\$472	\$453	\$448
Annual Growth Rate	-1.7%	-0.8%	-6.2%	-4.0%	-1.1%
 United States					
Miscellaneous Nondurables					
Employment	0.327	0.318	0.310	0.296	0.289
Annual Growth Rate	-1.6%	-2.8%	-2.5%	-4.5%	-2.6%
Earnings	\$12.5	\$12.4	\$12.3	\$11.9	\$11.6
Annual Growth Rate	1.3%	-1.3%	-0.2%	-3.5%	-2.8%
Output	\$37.8	\$37.5	\$38.0	\$37.8	\$37.7
Annual Growth Rate	1.6%	-0.8%	1.2%	-0.5%	-0.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Transport./Comm./Util.					
Employment	156.3	161.8	168.3	173.0	176.3
Annual Growth Rate	3.6%	3.5%	4.0%	2.8%	1.9%
Earnings	\$4,594	\$4,815	\$5,143	\$5,345	\$5,469
Annual Growth Rate	4.1%	4.8%	6.8%	3.9%	2.3%
Output	\$10,809	\$11,546	\$12,493	\$13,177	\$13,753
Annual Growth Rate	2.7%	6.8%	8.2%	5.5%	4.4%
Wholesale and Retail Trade					
Employment	745.4	779.8	817.8	843.9	863.3
Annual Growth Rate	4.3%	4.6%	4.9%	3.2%	2.3%
Earnings	\$12,324	\$13,113	\$13,840	\$14,233	\$14,518
Annual Growth Rate	5.4%	6.4%	5.5%	2.8%	2.0%
Output	\$21,444	\$23,226	\$25,169	\$26,053	\$26,817
Annual Growth Rate	8.2%	8.3%	8.4%	3.5%	2.9%
United States					
Transport./Comm./Util.					
Employment	5.709	5.710	5.717	5.754	5.781
Annual Growth Rate	-0.9%	0.0%	0.1%	0.6%	0.5%
Earnings	\$198.4	\$200.4	\$203.6	\$204.8	\$205.6
Annual Growth Rate	3.1%	1.0%	1.6%	0.6%	0.4%
Output	\$466.8	\$480.6	\$494.7	\$504.9	\$517.1
Annual Growth Rate	1.8%	3.0%	2.9%	2.1%	2.4%
Wholesale and Retail Trade					
Employment	25.391	25.848	26.430	27.027	27.426
Annual Growth Rate	0.1%	1.8%	2.3%	2.3%	1.5%
Earnings	\$475.3	\$493.4	\$507.9	\$517.5	\$523.6
Annual Growth Rate	2.6%	3.8%	2.9%	1.9%	1.2%
Output	\$827.0	\$873.9	\$923.7	\$947.3	\$967.1
Annual Growth Rate	5.3%	5.7%	5.7%	2.6%	2.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Control.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Finance/Insurance/Real Estate					
Employment	127.7	129.5	133.2	136.5	139.4
Annual Growth Rate	-1.7%	1.4%	2.9%	2.5%	2.1%
Earnings	\$3,242	\$3,318	\$3,497	\$3,631	\$3,728
Annual Growth Rate	7.7%	2.3%	5.4%	3.8%	2.7%
Output	\$13,510	\$14,264	\$14,892	\$15,540	\$16,119
Annual Growth Rate	-1.6%	5.6%	4.4%	4.4%	3.7%
Services					
Employment	719.1	763.0	818.2	863.1	896.0
Annual Growth Rate	8.8%	6.1%	7.2%	5.5%	3.8%
Earnings	\$17,062	\$18,346	\$19,895	\$20,948	\$21,690
Annual Growth Rate	7.1%	7.5%	8.4%	5.3%	3.5%
Output	\$18,929	\$20,227	\$21,438	\$22,321	\$22,936
Annual Growth Rate	4.7%	6.9%	6.0%	4.1%	2.8%
United States					
Finance/Insurance/Real Estate					
Employment	6.571	6.606	6.716	6.809	6.895
Annual Growth Rate	-1.1%	0.5%	1.7%	1.4%	1.3%
Earnings	\$215.8	\$213.8	\$220.8	\$224.6	\$227.9
Annual Growth Rate	12.5%	-0.9%	3.3%	1.7%	1.5%
Output	\$899.1	\$919.3	\$940.1	\$961.2	\$985.2
Annual Growth Rate	2.7%	2.2%	2.3%	2.2%	2.5%
Services					
Employment	29.051	30.187	31.340	32.561	33.810
Annual Growth Rate	2.5%	3.9%	3.8%	3.9%	3.8%
Earnings	\$804.6	\$835.1	\$882.4	\$918.8	\$954.7
Annual Growth Rate	4.8%	3.8%	5.7%	4.1%	3.9%
Output	\$892.5	\$920.7	\$950.9	\$979.0	\$1,009.6
Annual Growth Rate	2.5%	3.2%	3.3%	3.0%	3.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.1
Selected Indicators for the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

	1992	1993	1994	1995	1996
GDP Deflator	1.21	1.24	1.27	1.30	1.32
Annual Growth Rate	2.9%	2.6%	2.3%	2.0%	1.9%
Personal Consumption Exp. Deflator	1.24	1.27	1.30	1.33	1.37
Annual Growth Rate	3.3%	2.7%	2.4%	2.4%	2.6%
Consumer Price Index	1.40	1.45	1.48	1.52	1.56
Annual Growth Rate	3.0%	2.9%	2.6%	2.6%	2.6%
CPI (Excluding Food & Energy)	1.48	1.52	1.57	1.61	1.65
Annual Growth Rate	3.7%	3.3%	2.8%	2.7%	2.7%
Producer Price Index	1.23	1.25	1.26	1.28	1.31
Annual Growth Rate	1.2%	1.3%	0.9%	2.0%	2.1%
PPI (Industrial Commodities)	1.17	1.19	1.19	1.22	1.24
Annual Growth Rate	0.8%	1.4%	0.3%	1.9%	2.0%
Federal Funds Rate	3.5%	3.0%	3.3%	3.3%	2.5%
Annual Change (% points)	-2.2%	-0.5%	0.2%	0.1%	-0.8%
Prime Rate (4-6 Months)	6.3%	6.0%	6.1%	5.8%	5.0%
Annual Change (% points)	-2.2%	-0.3%	0.1%	-0.4%	-0.8%
3-Month Treasury Bills	3.4%	3.0%	3.3%	3.0%	2.2%
Annual Change (% points)	-1.9%	-0.4%	0.3%	-0.3%	-0.8%
10-Year Treasury Bonds	7.0%	5.9%	5.7%	5.4%	4.9%
Annual Change (% points)	-0.8%	-1.1%	-0.2%	-0.3%	-0.5%
30-Year Treasury Bonds	7.7%	6.6%	6.1%	5.7%	5.1%
Annual Change (% points)	-0.5%	-1.1%	-0.5%	-0.4%	-0.6%
30-Year Fixed Mortgage Rate	8.3%	7.3%	7.0%	6.9%	6.4%
Annual Change (% points)	-1.1%	-1.0%	-0.3%	-0.1%	-0.5%
Car Sales (Millions)	8.38	8.75	9.46	9.47	9.17
Annual Growth Rate	0.0%	4.4%	8.1%	0.1%	-3.1%
Housing Starts (Millions)	1.21	1.28	1.56	1.75	1.77
Annual Growth Rate	19.5%	5.8%	22.3%	12.1%	1.3%
Federal Budget Surplus (Billions)	-\$327.0	-\$240.4	-\$176.4	-\$159.5	-\$158.4
Annual Growth Rate	22.5%	-26.5%	-26.6%	-9.6%	-0.7%
U.S. Dollar Exchange Rate	0.84	0.88	0.91	0.89	0.87
Annual Growth Rate	-1.3%	4.4%	3.4%	-2.7%	-2.0%
Exports (Billions 1987 \$)	\$578.0	\$594.1	\$613.4	\$652.9	\$714.0
Annual Growth Rate	6.4%	2.8%	3.3%	6.4%	9.4%
Price/Barrel of Foreign Crude Oil	\$18.11	\$16.36	\$15.88	\$16.95	\$18.36
Annual Growth Rate	-3.3%	-9.7%	-3.0%	6.8%	8.4%

Table B.Optimistic.2
Selected Indicators for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nonfarm Payroll Employment	3,289.7	3,403.0	3,561.7	3,708.4	3,828.1
Annual Growth Rate	4.1%	3.4%	4.7%	4.1%	3.2%
Total Income (1987 \$)	101,404	106,170	111,900	117,054	121,215
Annual Growth Rate	4.8%	4.7%	5.4%	4.6%	3.6%
Total Income (Current \$)	125,614	135,035	145,666	156,099	165,806
Annual Growth Rate	8.3%	7.5%	7.9%	7.2%	6.2%
Gross Regional Product (1987 \$)	\$121,536	\$129,361	\$138,379	\$146,203	\$153,102
Annual Growth Rate	4.6%	6.4%	7.0%	5.7%	4.7%
Gross Regional Product (Current \$)	\$147,119	\$160,683	\$175,717	\$189,300	\$201,964
Annual Growth Rate	7.6%	9.2%	9.4%	7.7%	6.7%
Population (Thousands)	7,451.7	7,531.7	7,624.4	7,725.4	7,830.4
Annual Growth Rate	1.3%	1.1%	1.2%	1.3%	1.4%
Households (Thousands)	2,822.4	2,844.5	2,879.4	2,917.8	2,961.8
Annual Growth Rate	1.7%	0.8%	1.2%	1.3%	1.5%
Per Capita Income (1987 \$)	\$13,608	\$14,096	\$14,677	\$15,152	\$15,480
Annual Growth Rate	3.4%	3.6%	4.1%	3.2%	2.2%
Per Capita Income (Current \$)	\$16,857	\$17,928	\$19,106	\$20,206	\$21,175
Annual Growth Rate	6.9%	6.4%	6.6%	5.8%	4.8%
Unemployment Rate*	6.7%	6.0%	5.8%	5.8%	5.9%
United States					
Nonfarm Payroll Employment	108.5	110.2	112.6	115.7	118.3
Annual Growth Rate	0.2%	1.5%	2.2%	2.7%	2.3%
Total Income (1987 \$)	\$4,153.3	\$4,236.9	\$4,375.3	\$4,507.5	\$4,617.9
Annual Growth Rate	2.6%	2.0%	3.3%	3.0%	2.4%
Total Income (Current \$)	\$5,144.8	\$5,388.8	\$5,695.5	\$6,011.0	\$6,316.7
Annual Growth Rate	6.1%	4.7%	5.7%	5.5%	5.1%
Gross Domestic Product (1987 \$)	\$4,986.2	\$5,129.3	\$5,318.1	\$5,488.3	\$5,642.6
Annual Growth Rate	2.6%	2.9%	3.7%	3.2%	2.8%
Gross Domestic Product (Current \$)	\$6,037.1	\$6,373.3	\$6,756.6	\$7,110.5	\$7,448.3
Annual Growth Rate	5.5%	5.6%	6.0%	5.2%	4.8%
Population (Millions)*	255.8	258.4	261.3	264.5	267.5
Annual Growth Rate	1.1%	1.0%	1.1%	1.2%	1.1%
Households (Millions)	95.7	96.4	97.5	98.7	99.9
Annual Growth Rate	1.4%	0.8%	1.1%	1.2%	1.3%
Per Capita Income (1987 \$)	\$16,238	\$16,395	\$16,743	\$17,040	\$17,261
Annual Growth Rate	1.5%	1.0%	2.1%	1.8%	1.3%
Per Capita Income (Current \$)	\$20,115	\$20,852	\$21,795	\$22,724	\$23,611
Annual Growth Rate	4.9%	3.7%	4.5%	4.3%	3.9%
Unemployment Rate*	7.4%	6.8%	6.4%	6.0%	6.1%

* The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are now included in the total. Heretofore, the data reflected only the nation's resident population.

+Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

PSA data: Employment in thousands; income, earnings and product in millions of dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table B.Optimistic.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Manufacturing					
Employment	873.8	890.4	919.8	946.3	963.8
Annual Growth Rate	3.6%	1.9%	3.3%	2.9%	1.8%
Earnings	\$20,833	\$21,899	\$23,129	\$24,113	\$24,820
Annual Growth Rate	6.1%	5.1%	5.6%	4.3%	2.9%
Output	\$34,807	\$37,583	\$40,675	\$43,482	\$46,266
Annual Growth Rate	7.6%	8.0%	8.2%	6.9%	6.4%
Construction					
Employment	130.9	138.9	147.8	158.4	165.2
Annual Growth Rate	1.3%	6.1%	6.4%	7.2%	4.3%
Earnings	\$3,810	\$4,088	\$4,448	\$4,860	\$5,143
Annual Growth Rate	4.3%	7.3%	8.8%	9.3%	5.8%
Output	\$4,728	\$5,045	\$5,387	\$5,716	\$5,897
Annual Growth Rate	5.0%	6.7%	6.8%	6.1%	3.2%
United States					
Manufacturing					
Employment	18.041	17.813	17.808	17.786	17.557
Annual Growth Rate	-2.0%	-1.3%	0.0%	-0.1%	-1.3%
Earnings	\$556.8	\$558.8	\$571.2	\$574.2	\$570.0
Annual Growth Rate	1.6%	0.4%	2.2%	0.5%	-0.7%
Output	\$936.2	\$969.0	\$1,014.6	\$1,047.4	\$1,074.0
Annual Growth Rate	3.1%	3.5%	4.7%	3.2%	2.5%
Construction					
Employment	4.471	4.570	4.866	5.294	5.588
Annual Growth Rate	-3.9%	2.2%	6.5%	8.8%	5.5%
Earnings	\$155.7	\$159.6	\$172.3	\$190.4	\$203.4
Annual Growth Rate	-0.6%	2.5%	8.0%	10.5%	6.8%
Output	\$193.2	\$196.9	\$208.6	\$224.0	\$233.3
Annual Growth Rate	0.0%	1.9%	5.9%	7.4%	4.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Private Commercial					
Employment	1,748.5	1,834.1	1,942.5	2,038.0	2,116.0
Annual Growth Rate	5.6%	4.9%	5.9%	4.9%	3.8%
Earnings	\$37,221	\$39,591	\$42,471	\$44,606	\$46,295
Annual Growth Rate	6.2%	6.4%	7.3%	5.0%	3.8%
Output	\$64,692	\$69,263	\$74,501	\$78,883	\$82,531
Annual Growth Rate	4.1%	7.1%	7.6%	5.9%	4.6%
Government*					
Employment	529.8	533.1	545.3	559.4	576.8
Annual Growth Rate	1.1%	0.6%	2.3%	2.6%	3.1%
Earnings	\$11,952	\$12,203	\$12,624	\$12,995	\$13,430
Annual Growth Rate	1.5%	2.1%	3.4%	2.9%	3.4%
Output	\$14,505	\$14,472	\$14,706	\$14,986	\$15,268
Annual Growth Rate	0.1%	-0.2%	1.6%	1.9%	1.9%
United States					
Private Commercial					
Employment	66.721	68.351	70.213	72.479	74.510
Annual Growth Rate	0.9%	2.4%	2.7%	3.2%	2.8%
Earnings	\$1,694.1	\$1,742.7	\$1,814.3	\$1,870.0	\$1,921.5
Annual Growth Rate	4.9%	2.9%	4.1%	3.1%	2.8%
Output	\$3,085.3	\$3,194.5	\$3,322.6	\$3,439.7	\$3,549.3
Annual Growth Rate	3.2%	3.5%	4.0%	3.5%	3.2%
Government*					
Employment	18.653	18.841	19.136	19.551	20.076
Annual Growth Rate	1.4%	1.0%	1.6%	2.2%	2.7%
Earnings	\$488.7	\$499.3	\$511.0	\$520.1	\$533.8
Annual Growth Rate	2.1%	2.2%	2.3%	1.8%	2.6%
Output	\$593.1	\$592.1	\$595.3	\$599.8	\$606.8
Annual Growth Rate	0.7%	-0.2%	0.5%	0.7%	1.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table B.Optimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Durables					
Employment	418.3	430.9	453.1	472.0	483.3
Annual Growth Rate	4.4%	3.0%	5.2%	4.2%	2.4%
Earnings	\$10,549	\$11,294	\$12,138	\$12,753	\$13,156
Annual Growth Rate	6.8%	7.1%	7.5%	5.1%	3.2%
Output	\$16,948	\$19,072	\$21,223	\$23,031	\$24,766
Annual Growth Rate	9.8%	12.5%	11.3%	8.5%	7.5%
Lumber					
Employment	36.0	36.2	37.9	40.0	41.6
Annual Growth Rate	1.0%	0.8%	4.6%	5.6%	4.0%
Earnings	\$727	\$828	\$897	\$983	\$1,028
Annual Growth Rate	-4.3%	13.8%	8.4%	9.5%	4.6%
Output	\$786	\$897	\$967	\$1,052	\$1,107
Annual Growth Rate	-1.7%	14.1%	7.8%	8.8%	5.2%
United States					
Durables					
Employment	10.237	10.054	10.081	10.053	9.834
Annual Growth Rate	-3.1%	-1.8%	0.3%	-0.3%	-2.2%
Earnings	\$336.3	\$336.9	\$345.0	\$345.2	\$339.1
Annual Growth Rate	1.0%	0.2%	2.4%	0.1%	-1.8%
Output	\$542.3	\$570.8	\$604.9	\$626.6	\$642.2
Annual Growth Rate	3.8%	5.3%	6.0%	3.6%	2.5%
Lumber					
Employment	0.674	0.686	0.719	0.763	0.781
Annual Growth Rate	-0.1%	1.7%	4.9%	6.1%	2.4%
Earnings	\$17.3	\$17.5	\$19.1	\$20.6	\$21.2
Annual Growth Rate	3.4%	1.3%	8.8%	8.0%	3.0%
Output	\$28.3	\$29.2	\$31.6	\$33.9	\$35.1
Annual Growth Rate	6.2%	3.2%	8.2%	7.2%	3.6%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Furniture					
Employment	56.5	58.3	61.4	64.4	66.5
Annual Growth Rate	7.7%	3.1%	5.3%	4.9%	3.3%
Earnings	\$1,010	\$1,119	\$1,191	\$1,264	\$1,322
Annual Growth Rate	9.4%	10.9%	6.4%	6.1%	4.7%
Output	\$1,201	\$1,376	\$1,502	\$1,617	\$1,725
Annual Growth Rate	10.3%	14.6%	9.1%	7.6%	6.7%
Stone/Clay/Glass					
Employment	20.8	21.0	22.3	23.9	24.9
Annual Growth Rate	10.3%	0.8%	6.3%	7.2%	4.2%
Earnings	\$510	\$546	\$583	\$630	\$662
Annual Growth Rate	7.9%	7.1%	6.8%	8.0%	5.0%
Output	\$807	\$874	\$974	\$1,095	\$1,185
Annual Growth Rate	12.0%	8.3%	11.5%	12.4%	8.2%
United States					
Furniture					
Employment	0.476	0.480	0.493	0.501	0.501
Annual Growth Rate	0.3%	0.9%	2.7%	1.6%	-0.2%
Earnings	\$10.3	\$11.0	\$11.6	\$11.8	\$12.0
Annual Growth Rate	5.0%	7.3%	4.8%	2.5%	1.0%
Output	\$15.1	\$16.7	\$18.0	\$18.7	\$19.3
Annual Growth Rate	5.8%	10.9%	7.5%	4.0%	3.0%
Stone/Clay/Glass					
Employment	0.512	0.512	0.526	0.545	0.553
Annual Growth Rate	-1.8%	0.0%	2.7%	3.6%	1.5%
Earnings	\$14.7	\$15.3	\$15.9	\$16.4	\$16.7
Annual Growth Rate	1.1%	4.1%	4.0%	3.4%	1.6%
Output	\$24.8	\$26.0	\$28.1	\$30.1	\$31.3
Annual Growth Rate	4.3%	4.8%	8.0%	7.0%	4.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Primary Metals					
Employment	26.9	27.5	28.3	28.9	29.2
Annual Growth Rate	0.2%	2.5%	2.8%	2.1%	0.8%
Earnings	\$1,020	\$1,046	\$1,107	\$1,129	\$1,148
Annual Growth Rate	14.1%	2.5%	5.8%	2.1%	1.6%
Output	\$870	\$904	\$939	\$967	\$992
Annual Growth Rate	13.5%	3.9%	3.9%	3.0%	2.6%
Fabricated Metal Products					
Employment	47.9	49.0	51.2	53.9	55.5
Annual Growth Rate	-1.3%	2.5%	4.5%	5.2%	3.0%
Earnings	\$1,183	\$1,209	\$1,277	\$1,346	\$1,389
Annual Growth Rate	2.3%	2.2%	5.6%	5.4%	3.2%
Output	\$1,774	\$1,865	\$2,033	\$2,200	\$2,332
Annual Growth Rate	5.9%	5.1%	9.0%	8.2%	6.0%
United States					
Primary Metals					
Employment	0.693	0.676	0.680	0.680	0.660
Annual Growth Rate	-4.0%	-2.6%	0.7%	-0.1%	-2.9%
Earnings	\$26.0	\$25.8	\$26.3	\$26.3	\$25.7
Annual Growth Rate	4.3%	-0.8%	2.0%	-0.1%	-2.2%
Output	\$34.2	\$35.2	\$37.1	\$37.7	\$37.6
Annual Growth Rate	2.5%	2.8%	5.6%	1.4%	-0.2%
Fabricated Metal Products					
Employment	1.322	1.311	1.337	1.357	1.340
Annual Growth Rate	-2.4%	-0.9%	2.0%	1.5%	-1.2%
Earnings	\$38.5	\$38.9	\$40.0	\$40.6	\$40.1
Annual Growth Rate	-1.1%	1.2%	2.9%	1.3%	-1.3%
Output	\$57.7	\$60.0	\$63.8	\$66.3	\$67.3
Annual Growth Rate	2.4%	4.0%	6.3%	4.0%	1.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Machinery					
Employment	131.0	135.8	145.1	151.4	154.3
Annual Growth Rate	4.0%	3.6%	6.9%	4.3%	1.9%
Earnings	\$3,234	\$3,497	\$3,855	\$4,075	\$4,193
Annual Growth Rate	6.7%	8.1%	10.3%	5.7%	2.9%
Output	\$6,351	\$7,381	\$8,350	\$9,189	\$9,998
Annual Growth Rate	11.0%	16.2%	13.1%	10.0%	8.8%
Transportation Equipment					
Employment	67.1	69.9	73.0	74.7	76.1
Annual Growth Rate	10.7%	4.3%	4.4%	2.3%	1.8%
Earnings	\$2,128	\$2,279	\$2,430	\$2,500	\$2,563
Annual Growth Rate	9.8%	7.1%	6.6%	2.9%	2.6%
Output	\$4,106	\$4,665	\$5,285	\$5,663	\$6,113
Annual Growth Rate	11.9%	13.6%	13.3%	7.2%	7.9%
United States					
Machinery					
Employment	3.448	3.419	3.443	3.397	3.281
Annual Growth Rate	-4.0%	-0.8%	0.7%	-1.3%	-3.4%
Earnings	\$114.9	\$116.4	\$121.1	\$120.5	\$117.1
Annual Growth Rate	0.3%	1.3%	4.1%	-0.5%	-2.8%
Output	\$200.7	\$220.0	\$237.2	\$248.0	\$256.8
Annual Growth Rate	6.1%	9.6%	7.8%	4.6%	3.6%
Transportation Equipment					
Employment	1.822	1.727	1.665	1.610	1.531
Annual Growth Rate	-3.6%	-5.2%	-3.6%	-3.3%	-4.9%
Earnings	\$72.0	\$70.1	\$69.3	\$67.3	\$64.5
Annual Growth Rate	1.2%	-2.6%	-1.2%	-2.8%	-4.2%
Output	\$113.8	\$116.7	\$121.5	\$122.6	\$123.0
Annual Growth Rate	2.2%	2.5%	4.1%	0.9%	0.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Instruments					
Employment	14.1	14.6	14.9	15.2	15.5
Annual Growth Rate	-8.9%	3.6%	1.5%	2.0%	2.0%
Earnings	\$383	\$389	\$405	\$419	\$435
Annual Growth Rate	1.6%	1.7%	4.2%	3.4%	3.6%
Output	\$414	\$426	\$447	\$476	\$509
Annual Growth Rate	1.9%	2.8%	5.1%	6.4%	6.9%
Miscellaneous Manufacturing					
Employment	18.0	18.4	19.0	19.5	19.7
Annual Growth Rate	10.6%	2.3%	3.0%	2.7%	0.9%
Earnings	\$354	\$381	\$392	\$407	\$416
Annual Growth Rate	8.8%	7.6%	2.9%	3.8%	2.0%
Output	\$639	\$686	\$725	\$772	\$807
Annual Growth Rate	8.1%	7.3%	5.7%	6.5%	4.6%
United States					
Instruments					
Employment	0.925	0.881	0.856	0.841	0.834
Annual Growth Rate	-5.1%	-4.7%	-2.9%	-1.8%	-0.9%
Earnings	\$33.5	\$32.5	\$32.2	\$32.1	\$32.4
Annual Growth Rate	-0.9%	-3.0%	-0.8%	-0.3%	0.7%
Output	\$51.0	\$50.1	\$50.1	\$51.4	\$53.4
Annual Growth Rate	-0.3%	-1.9%	0.1%	2.5%	3.9%
Miscellaneous Manufacturing					
Employment	0.364	0.362	0.361	0.358	0.355
Annual Growth Rate	-0.5%	-0.5%	-0.2%	-0.7%	-1.1%
Earnings	\$9.2	\$9.4	\$9.5	\$9.5	\$9.5
Annual Growth Rate	4.1%	1.9%	0.9%	0.1%	-0.1%
Output	\$16.7	\$17.0	\$17.6	\$18.0	\$18.5
Annual Growth Rate	3.4%	1.7%	3.7%	2.6%	2.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nondurables					
Employment	455.6	459.5	466.6	474.3	480.5
Annual Growth Rate	2.9%	0.9%	1.6%	1.7%	1.3%
Earnings	\$10,283	\$10,605	\$10,991	\$11,360	\$11,664
Annual Growth Rate	5.3%	3.1%	3.6%	3.4%	2.7%
Output	\$17,859	\$18,510	\$19,451	\$20,451	\$21,500
Annual Growth Rate	5.5%	3.6%	5.1%	5.1%	5.1%
Food					
Employment	63.1	64.0	64.8	65.7	66.6
Annual Growth Rate	-0.6%	1.5%	1.2%	1.4%	1.3%
Earnings	\$1,408	\$1,453	\$1,485	\$1,514	\$1,540
Annual Growth Rate	2.6%	3.2%	2.2%	1.9%	1.7%
Output	\$3,101	\$3,198	\$3,290	\$3,421	\$3,566
Annual Growth Rate	1.2%	3.1%	2.9%	4.0%	4.2%
United States					
Nondurables					
Employment	7.804	7.759	7.727	7.733	7.722
Annual Growth Rate	-0.4%	-0.6%	-0.4%	0.1%	-0.1%
Earnings	\$220.5	\$221.9	\$226.2	\$229.0	\$230.9
Annual Growth Rate	2.6%	0.6%	2.0%	1.2%	0.8%
Output	\$393.9	\$398.1	\$409.7	\$420.8	\$431.8
Annual Growth Rate	2.0%	1.1%	2.9%	2.7%	2.6%
Food					
Employment	1.655	1.651	1.647	1.642	1.638
Annual Growth Rate	-0.7%	-0.2%	-0.2%	-0.3%	-0.2%
Earnings	\$42.7	\$43.2	\$43.5	\$43.5	\$43.5
Annual Growth Rate	2.5%	1.2%	0.8%	0.0%	0.0%
Output	\$83.9	\$84.8	\$86.0	\$87.7	\$89.9
Annual Growth Rate	1.1%	1.1%	1.4%	1.9%	2.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Textiles					
Employment	82.2	83.5	86.8	89.8	91.0
Annual Growth Rate	7.1%	1.6%	3.9%	3.4%	1.3%
Earnings	\$1,601	\$1,700	\$1,779	\$1,859	\$1,902
Annual Growth Rate	10.4%	6.2%	4.7%	4.5%	2.3%
Output	\$2,573	\$2,698	\$2,923	\$3,134	\$3,321
Annual Growth Rate	17.4%	4.9%	8.4%	7.2%	6.0%
Apparel					
Employment	110.1	110.0	108.0	106.4	105.3
Annual Growth Rate	-0.3%	-0.1%	-1.8%	-1.5%	-1.0%
Earnings	\$1,417	\$1,418	\$1,410	\$1,398	\$1,390
Annual Growth Rate	4.8%	0.1%	-0.6%	-0.9%	-0.6%
Output	\$2,161	\$2,172	\$2,193	\$2,236	\$2,310
Annual Growth Rate	3.5%	0.5%	1.0%	2.0%	3.3%
United States					
Textiles					
Employment	0.671	0.666	0.663	0.660	0.650
Annual Growth Rate	0.2%	-0.7%	-0.5%	-0.5%	-1.5%
Earnings	\$13.3	\$13.7	\$13.8	\$13.8	\$13.7
Annual Growth Rate	2.8%	3.1%	0.6%	0.0%	-0.8%
Output	\$23.3	\$23.7	\$24.7	\$25.3	\$26.0
Annual Growth Rate	9.3%	1.9%	4.1%	2.6%	2.7%
Apparel					
Employment	1.005	0.978	0.935	0.908	0.882
Annual Growth Rate	-0.1%	-2.7%	-4.4%	-2.9%	-2.9%
Earnings	\$16.0	\$15.7	\$15.3	\$14.8	\$14.4
Annual Growth Rate	2.3%	-1.8%	-2.8%	-2.7%	-2.8%
Output	\$23.7	\$23.2	\$22.8	\$22.8	\$22.9
Annual Growth Rate	0.4%	-1.9%	-1.8%	-0.3%	0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Paper					
Employment	30.5	30.7	30.9	31.4	32.1
Annual Growth Rate	4.7%	0.6%	0.9%	1.4%	2.3%
Earnings	\$950	\$997	\$1,035	\$1,074	\$1,123
Annual Growth Rate	6.5%	5.0%	3.8%	3.7%	4.6%
Output	\$2,634	\$2,770	\$2,928	\$3,079	\$3,268
Annual Growth Rate	5.7%	5.2%	5.7%	5.1%	6.1%
Printing and Publishing					
Employment	44.6	45.6	47.2	49.1	51.2
Annual Growth Rate	-0.8%	2.1%	3.6%	4.0%	4.3%
Earnings	\$1,032	\$1,031	\$1,083	\$1,131	\$1,181
Annual Growth Rate	4.8%	0.0%	5.0%	4.5%	4.4%
Output	\$1,437	\$1,446	\$1,497	\$1,567	\$1,637
Annual Growth Rate	3.1%	0.6%	3.5%	4.7%	4.5%
United States					
Paper					
Employment	0.687	0.680	0.674	0.670	0.664
Annual Growth Rate	-0.1%	-1.0%	-0.8%	-0.6%	-0.9%
Earnings	\$22.9	\$23.7	\$24.2	\$24.5	\$24.8
Annual Growth Rate	3.2%	3.2%	2.2%	1.3%	1.1%
Output	\$42.8	\$44.1	\$45.8	\$47.1	\$48.2
Annual Growth Rate	1.8%	3.2%	3.8%	2.7%	2.5%
Printing and Publishing					
Employment	1.504	1.505	1.512	1.540	1.572
Annual Growth Rate	-2.1%	0.1%	0.5%	1.8%	2.1%
Earnings	\$42.3	\$41.7	\$42.8	\$43.8	\$44.8
Annual Growth Rate	1.3%	-1.2%	2.5%	2.4%	2.4%
Output	\$61.3	\$60.9	\$61.6	\$63.2	\$64.7
Annual Growth Rate	-0.3%	-0.6%	1.1%	2.6%	2.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Chemicals					
Employment	62.2	63.0	63.5	64.5	65.2
Annual Growth Rate	1.9%	1.2%	0.8%	1.5%	1.1%
Earnings	\$2,392	\$2,462	\$2,575	\$2,687	\$2,774
Annual Growth Rate	-0.4%	2.9%	4.6%	4.3%	3.2%
Output	\$3,128	\$3,276	\$3,473	\$3,660	\$3,821
Annual Growth Rate	-0.2%	4.7%	6.0%	5.4%	4.4%
Rubber and Plastics					
Employment	50.5	50.8	53.8	56.7	58.7
Annual Growth Rate	13.3%	0.6%	6.0%	5.2%	3.5%
Earnings	\$1,271	\$1,336	\$1,424	\$1,510	\$1,575
Annual Growth Rate	14.7%	5.1%	6.6%	6.1%	4.3%
Output	\$2,316	\$2,447	\$2,673	\$2,898	\$3,121
Annual Growth Rate	13.5%	5.6%	9.3%	8.4%	7.7%
United States					
Chemicals					
Employment	1.083	1.074	1.069	1.078	1.083
Annual Growth Rate	0.7%	-0.8%	-0.5%	0.9%	0.5%
Earnings	\$47.9	\$48.0	\$49.5	\$51.1	\$52.3
Annual Growth Rate	2.4%	0.2%	3.1%	3.2%	2.3%
Output	\$88.2	\$90.0	\$94.0	\$98.0	\$101.4
Annual Growth Rate	2.6%	2.0%	4.5%	4.2%	3.5%
Rubber and Plastics					
Employment	0.872	0.886	0.916	0.938	0.943
Annual Growth Rate	1.2%	1.6%	3.5%	2.4%	0.5%
Earnings	\$22.9	\$23.5	\$24.9	\$25.6	\$25.9
Annual Growth Rate	5.6%	2.5%	5.8%	2.9%	1.2%
Output	\$32.8	\$33.8	\$36.7	\$38.6	\$40.3
Annual Growth Rate	4.6%	3.0%	8.5%	5.2%	4.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Miscellaneous Nondurables					
Employment	12.4	12.0	11.6	10.9	10.4
Annual Growth Rate	0.5%	-3.4%	-3.3%	-6.2%	-4.0%
Earnings	\$213	\$207	\$199	\$187	\$180
Annual Growth Rate	2.9%	-2.6%	-3.8%	-6.0%	-3.6%
Output	\$507	\$503	\$473	\$456	\$456
Annual Growth Rate	-1.7%	-0.8%	-6.0%	-3.5%	-0.1%
 United States					
Miscellaneous Nondurables					
Employment	0.327	0.318	0.310	0.297	0.289
Annual Growth Rate	-1.6%	-2.8%	-2.5%	-4.3%	-2.5%
Earnings	\$12.5	\$12.4	\$12.3	\$11.9	\$11.6
Annual Growth Rate	1.3%	-1.3%	-0.3%	-3.4%	-2.7%
Output	\$37.8	\$37.5	\$38.0	\$38.2	\$38.3
Annual Growth Rate	1.6%	-0.8%	1.4%	0.4%	0.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Transport./Comm./Util.					
Employment	156.3	161.8	169.0	176.1	181.5
Annual Growth Rate	3.6%	3.5%	4.5%	4.2%	3.1%
Earnings	\$4,594	\$4,815	\$5,156	\$5,424	\$5,618
Annual Growth Rate	4.1%	4.8%	7.1%	5.2%	3.6%
Output	\$10,809	\$11,546	\$12,583	\$13,528	\$14,325
Annual Growth Rate	2.7%	6.8%	9.0%	7.5%	5.9%
Wholesale and Retail Trade					
Employment	745.4	779.8	819.6	852.3	878.7
Annual Growth Rate	4.3%	4.6%	5.1%	4.0%	3.1%
Earnings	\$12,324	\$13,113	\$13,868	\$14,340	\$14,723
Annual Growth Rate	5.4%	6.4%	5.8%	3.4%	2.7%
Output	\$21,444	\$23,226	\$25,351	\$26,670	\$27,761
Annual Growth Rate	8.2%	8.3%	9.2%	5.2%	4.1%
United States					
Transport./Comm./Util.					
Employment	5.709	5.710	5.720	5.788	5.843
Annual Growth Rate	-0.9%	0.0%	0.2%	1.2%	0.9%
Earnings	\$198.4	\$200.4	\$203.6	\$205.1	\$206.2
Annual Growth Rate	3.1%	1.0%	1.6%	0.7%	0.6%
Output	\$466.8	\$480.6	\$496.9	\$511.4	\$525.8
Annual Growth Rate	1.8%	3.0%	3.4%	2.9%	2.8%
Wholesale and Retail Trade					
Employment	25.391	25.848	26.448	27.226	27.766
Annual Growth Rate	0.1%	1.8%	2.3%	2.9%	2.0%
Earnings	\$475.3	\$493.4	\$508.1	\$520.2	\$528.4
Annual Growth Rate	2.6%	3.8%	3.0%	2.4%	1.6%
Output	\$827.0	\$873.9	\$928.9	\$967.6	\$996.2
Annual Growth Rate	5.3%	5.7%	6.3%	4.2%	3.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Optimistic.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Finance/Insurance/Real Estate					
Employment	127.7	129.5	133.6	138.0	141.9
Annual Growth Rate	-1.7%	1.4%	3.2%	3.3%	2.8%
Earnings	\$3,242	\$3,318	\$3,511	\$3,690	\$3,835
Annual Growth Rate	7.7%	2.3%	5.8%	5.1%	3.9%
Output	\$13,510	\$14,264	\$14,998	\$15,916	\$16,739
Annual Growth Rate	-1.6%	5.6%	5.1%	6.1%	5.2%
Services					
Employment	719.1	763.0	820.2	871.6	913.8
Annual Growth Rate	8.8%	6.1%	7.5%	6.3%	4.8%
Earnings	\$17,062	\$18,346	\$19,937	\$21,152	\$22,118
Annual Growth Rate	7.1%	7.5%	8.7%	6.1%	4.6%
Output	\$18,929	\$20,227	\$21,568	\$22,769	\$23,707
Annual Growth Rate	4.7%	6.9%	6.6%	5.6%	4.1%
United States					
Finance/Insurance/Real Estate					
Employment	6.571	6.606	6.716	6.836	6.954
Annual Growth Rate	-1.1%	0.5%	1.7%	1.8%	1.7%
Earnings	\$215.8	\$213.8	\$220.7	\$225.0	\$229.3
Annual Growth Rate	12.5%	-0.9%	3.2%	2.0%	1.9%
Output	\$899.1	\$919.3	\$942.8	\$970.7	\$1,000.9
Annual Growth Rate	2.7%	2.2%	2.6%	3.0%	3.1%
Services					
Employment	29.051	30.187	31.330	32.629	33.948
Annual Growth Rate	2.5%	3.9%	3.8%	4.1%	4.0%
Earnings	\$804.6	\$835.1	\$881.9	\$919.7	\$957.6
Annual Growth Rate	4.8%	3.8%	5.6%	4.3%	4.1%
Output	\$892.5	\$920.7	\$954.1	\$990.0	\$1,026.4
Annual Growth Rate	2.5%	3.2%	3.6%	3.8%	3.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.1
Selected Indicators for the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

	1992	1993	1994	1995	1996
GDP Deflator	1.21	1.24	1.28	1.33	1.38
Annual Growth Rate	2.9%	2.6%	2.9%	3.9%	4.3%
Personal Consumption Exp. Deflator	1.24	1.27	1.31	1.37	1.44
Annual Growth Rate	3.3%	2.7%	3.0%	4.4%	5.0%
Consumer Price Index	1.40	1.45	1.49	1.56	1.64
Annual Growth Rate	3.0%	2.9%	3.3%	4.5%	5.1%
CPI (Excluding Food & Energy)	1.48	1.52	1.58	1.65	1.73
Annual Growth Rate	3.7%	3.3%	3.4%	4.5%	5.0%
Producer Price Index	1.23	1.25	1.27	1.32	1.38
Annual Growth Rate	1.2%	1.3%	1.7%	4.0%	4.8%
PPI (Industrial Commodities)	1.17	1.19	1.20	1.24	1.30
Annual Growth Rate	0.8%	1.4%	0.9%	3.4%	4.7%
Federal Funds Rate	3.5%	3.0%	3.6%	4.4%	4.5%
Annual Change (% points)	-2.2%	-0.5%	0.6%	0.8%	0.0%
Prime Rate (4-6 Months)	6.3%	6.0%	6.5%	6.9%	7.0%
Annual Change (% points)	-2.2%	-0.3%	0.5%	0.4%	0.1%
3-Month Treasury Bills	3.4%	3.0%	3.6%	4.1%	4.1%
Annual Change (% points)	-1.9%	-0.4%	0.6%	0.4%	0.0%
10-Year Treasury Bonds	7.0%	5.9%	6.0%	6.5%	6.8%
Annual Change (% points)	-0.8%	-1.1%	0.1%	0.5%	0.3%
30-Year Treasury Bonds	7.7%	6.6%	6.4%	6.8%	7.1%
Annual Change (% points)	-0.5%	-1.1%	-0.2%	0.4%	0.3%
30-Year Fixed Mortgage Rate	8.3%	7.3%	7.1%	7.6%	7.9%
Annual Change (% points)	-1.1%	-1.0%	-0.2%	0.5%	0.2%
Car Sales (Millions)	8.38	8.75	9.21	8.74	8.46
Annual Growth Rate	0.0%	4.4%	5.3%	-5.1%	-3.1%
Housing Starts (Millions)	1.21	1.28	1.29	1.08	1.13
Annual Growth Rate	19.5%	5.8%	1.3%	-16.9%	5.5%
Federal Budget Surplus (Billions)	-\$327.0	-\$240.4	-\$185.6	-\$208.9	-\$220.8
Annual Growth Rate	22.5%	-26.5%	-22.8%	12.6%	5.7%
U.S. Dollar Exchange Rate	0.84	0.88	0.91	0.88	0.85
Annual Growth Rate	-1.3%	4.4%	2.9%	-3.5%	-2.8%
Exports (Billions 1987 \$)	\$578.0	\$594.1	\$608.2	\$638.6	\$688.9
Annual Growth Rate	6.4%	2.8%	2.4%	5.0%	7.9%
Price/Barrel of Foreign Crude Oil	\$18.11	\$16.36	\$16.26	\$18.00	\$20.23
Annual Growth Rate	-3.3%	-9.7%	-0.6%	10.7%	12.4%

Table B.Pessimistic.2
Selected Indicators for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nonfarm Payroll Employment	3,289.7	3,403.0	3,522.0	3,587.1	3,619.1
Annual Growth Rate	4.1%	3.4%	3.5%	1.8%	0.9%
Total Income (1987 \$)	101,404	106,170	110,865	113,604	115,126
Annual Growth Rate	4.8%	4.7%	4.4%	2.5%	1.3%
Total Income (Current \$)	125,614	135,035	145,291	155,485	165,491
Annual Growth Rate	8.3%	7.5%	7.6%	7.0%	6.4%
Gross Regional Product (1987 \$)	\$121,536	\$129,361	\$135,760	\$138,521	\$141,339
Annual Growth Rate	4.6%	6.4%	4.9%	2.0%	2.0%
Gross Regional Product (Current \$)	\$147,119	\$160,683	\$173,409	\$183,744	\$195,452
Annual Growth Rate	7.6%	9.2%	7.9%	6.0%	6.4%
Population (Thousands)	7,451.7	7,531.7	7,602.7	7,666.2	7,723.7
Annual Growth Rate	1.3%	1.1%	0.9%	0.8%	0.8%
Households (Thousands)	2,822.4	2,844.5	2,870.0	2,894.4	2,918.1
Annual Growth Rate	1.7%	0.8%	0.9%	0.9%	0.8%
Per Capita Income (1987 \$)	\$13,608	\$14,096	\$14,582	\$14,819	\$14,906
Annual Growth Rate	3.4%	3.6%	3.4%	1.6%	0.6%
Per Capita Income (Current \$)	\$16,857	\$17,928	\$19,110	\$20,282	\$21,427
Annual Growth Rate	6.9%	6.4%	6.6%	6.1%	5.6%
Unemployment Rate*	6.7%	6.0%	6.7%	7.3%	7.6%
United States					
Nonfarm Payroll Employment	108.5	110.2	112.2	113.7	115.4
Annual Growth Rate	0.2%	1.5%	1.8%	1.4%	1.5%
Total Income (1987 \$)	\$4,153.3	\$4,236.9	\$4,366.5	\$4,448.7	\$4,520.9
Annual Growth Rate	2.6%	2.0%	3.1%	1.9%	1.6%
Total Income (Current \$)	\$5,144.8	\$5,388.8	\$5,722.4	\$6,088.7	\$6,498.6
Annual Growth Rate	6.1%	4.7%	6.2%	6.4%	6.7%
Gross Domestic Product (1987 \$)	\$4,986.2	\$5,129.3	\$5,268.5	\$5,321.8	\$5,426.0
Annual Growth Rate	2.6%	2.9%	2.7%	1.0%	2.0%
Gross Domestic Product (Current \$)	\$6,037.1	\$6,373.3	\$6,733.3	\$7,064.0	\$7,509.2
Annual Growth Rate	5.5%	5.6%	5.6%	4.9%	6.3%
Population (Millions)*	255.8	258.4	260.6	262.5	264.4
Annual Growth Rate	1.1%	1.0%	0.9%	0.7%	0.7%
Households (Millions)	95.7	96.4	97.2	97.9	98.7
Annual Growth Rate	1.4%	0.8%	0.8%	0.7%	0.8%
Per Capita Income (1987 \$)	\$16,238	\$16,395	\$16,753	\$16,945	\$17,096
Annual Growth Rate	1.5%	1.0%	2.2%	1.1%	0.9%
Per Capita Income (Current \$)	\$20,115	\$20,852	\$21,955	\$23,192	\$24,575
Annual Growth Rate	4.9%	3.7%	5.3%	5.6%	6.0%
Unemployment Rate*	7.4%	6.8%	6.6%	6.8%	7.0%

* The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are now included in the total. Heretofore, the data reflected only the nation's resident population.

+ Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table B.Pessimistic.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Manufacturing					
Employment	873.8	890.4	909.9	909.0	894.6
Annual Growth Rate	3.6%	1.9%	2.2%	-0.1%	-1.6%
Earnings	\$20,833	\$21,899	\$22,866	\$23,113	\$22,951
Annual Growth Rate	6.1%	5.1%	4.4%	1.1%	-0.7%
Output	\$34,807	\$37,583	\$39,861	\$40,974	\$42,166
Annual Growth Rate	7.6%	8.0%	6.1%	2.8%	2.9%
Construction					
Employment	130.9	138.9	139.6	140.1	140.1
Annual Growth Rate	1.3%	6.1%	0.5%	0.3%	0.0%
Earnings	\$3,810	\$4,088	\$4,190	\$4,266	\$4,343
Annual Growth Rate	4.3%	7.3%	2.5%	1.8%	1.8%
Output	\$4,728	\$5,045	\$5,052	\$5,012	\$5,043
Annual Growth Rate	5.0%	6.7%	0.1%	-0.8%	0.6%
United States					
Manufacturing					
Employment	18.041	17.813	17.676	17.227	16.872
Annual Growth Rate	-2.0%	-1.3%	-0.8%	-2.5%	-2.1%
Earnings	\$556.8	\$558.8	\$567.9	\$558.8	\$550.8
Annual Growth Rate	1.6%	0.4%	1.6%	-1.6%	-1.4%
Output	\$936.2	\$969.0	\$1,000.0	\$1,001.7	\$1,022.7
Annual Growth Rate	3.1%	3.5%	3.2%	0.2%	2.1%
Construction					
Employment	4.471	4.570	4.786	4.865	4.901
Annual Growth Rate	-3.9%	2.2%	4.7%	1.6%	0.8%
Earnings	\$155.7	\$159.6	\$169.5	\$174.9	\$179.3
Annual Growth Rate	-0.6%	2.5%	6.2%	3.2%	2.5%
Output	\$193.2	\$196.9	\$204.3	\$205.4	\$208.2
Annual Growth Rate	0.0%	1.9%	3.8%	0.5%	1.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Private Commercial					
Employment	1,748.5	1,834.1	1,924.8	1,982.8	2,019.6
Annual Growth Rate	5.6%	4.9%	4.9%	3.0%	1.9%
Earnings	\$37,221	\$39,591	\$42,147	\$43,524	\$44,259
Annual Growth Rate	6.2%	6.4%	6.5%	3.3%	1.7%
Output	\$64,692	\$69,263	\$73,175	\$74,803	\$76,316
Annual Growth Rate	4.1%	7.1%	5.6%	2.2%	2.0%
Government*					
Employment	529.8	533.1	541.4	549.2	558.8
Annual Growth Rate	1.1%	0.6%	1.5%	1.4%	1.8%
Earnings	\$11,952	\$12,203	\$12,520	\$12,696	\$12,873
Annual Growth Rate	1.5%	2.1%	2.6%	1.4%	1.4%
Output	\$14,505	\$14,472	\$14,582	\$14,655	\$14,756
Annual Growth Rate	0.1%	-0.2%	0.8%	0.5%	0.7%
United States					
Private Commercial					
Employment	66.721	68.351	70.104	71.743	73.348
Annual Growth Rate	0.9%	2.4%	2.6%	2.3%	2.2%
Earnings	\$1,694.1	\$1,742.7	\$1,815.6	\$1,863.5	\$1,905.5
Annual Growth Rate	4.9%	2.9%	4.2%	2.6%	2.3%
Output	\$3,085.3	\$3,194.5	\$3,294.7	\$3,344.0	\$3,418.0
Annual Growth Rate	3.2%	3.5%	3.1%	1.5%	2.2%
Government*					
Employment	18.653	18.841	19.045	19.312	19.680
Annual Growth Rate	1.4%	1.0%	1.1%	1.4%	1.9%
Earnings	\$488.7	\$499.3	\$509.6	\$516.1	\$524.6
Annual Growth Rate	2.1%	2.2%	2.1%	1.3%	1.7%
Output	\$593.1	\$592.1	\$593.6	\$595.7	\$601.4
Annual Growth Rate	0.7%	-0.2%	0.2%	0.4%	0.9%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table B.Pessimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Durables					
Employment	418.3	430.9	446.8	447.7	439.9
Annual Growth Rate	4.4%	3.0%	3.7%	0.2%	-1.7%
Earnings	\$10,549	\$11,294	\$11,978	\$12,115	\$11,983
Annual Growth Rate	6.8%	7.1%	6.1%	1.1%	-1.1%
Output	\$16,948	\$19,072	\$20,766	\$21,537	\$22,283
Annual Growth Rate	9.8%	12.5%	8.9%	3.7%	3.5%
Lumber					
Employment	36.0	36.2	37.2	36.0	34.9
Annual Growth Rate	1.0%	0.8%	2.6%	-3.1%	-3.0%
Earnings	\$727	\$828	\$871	\$847	\$822
Annual Growth Rate	-4.3%	13.8%	5.2%	-2.7%	-3.0%
Output	\$786	\$897	\$925	\$908	\$918
Annual Growth Rate	-1.7%	14.1%	3.2%	-1.8%	1.0%
United States					
Durables					
Employment	10.237	10.054	9.989	9.660	9.340
Annual Growth Rate	-3.1%	-1.8%	-0.6%	-3.3%	-3.3%
Earnings	\$336.3	\$336.9	\$342.6	\$333.8	\$324.4
Annual Growth Rate	1.0%	0.2%	1.7%	-2.6%	-2.8%
Output	\$542.3	\$570.8	\$595.5	\$596.1	\$607.4
Annual Growth Rate	3.8%	5.3%	4.3%	0.1%	1.9%
Lumber					
Employment	0.674	0.686	0.700	0.665	0.654
Annual Growth Rate	-0.1%	1.7%	2.1%	-5.1%	-1.6%
Earnings	\$17.3	\$17.5	\$18.4	\$17.2	\$16.9
Annual Growth Rate	3.4%	1.3%	5.1%	-6.4%	-1.9%
Output	\$28.3	\$29.2	\$30.1	\$28.4	\$29.0
Annual Growth Rate	6.2%	3.2%	3.1%	-5.6%	2.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Furniture					
Employment	56.5	58.3	60.9	62.0	62.0
Annual Growth Rate	7.7%	3.1%	4.4%	1.9%	-0.1%
Earnings	\$1,010	\$1,119	\$1,181	\$1,219	\$1,231
Annual Growth Rate	9.4%	10.9%	5.5%	3.2%	1.0%
Output	\$1,201	\$1,376	\$1,476	\$1,525	\$1,565
Annual Growth Rate	10.3%	14.6%	7.2%	3.3%	2.6%
Stone/Clay/Glass					
Employment	20.8	21.0	21.5	21.5	21.4
Annual Growth Rate	10.3%	0.8%	2.2%	0.2%	-0.6%
Earnings	\$510	\$546	\$561	\$568	\$569
Annual Growth Rate	7.9%	7.1%	2.7%	1.2%	0.3%
Output	\$807	\$874	\$921	\$933	\$961
Annual Growth Rate	12.0%	8.3%	5.4%	1.3%	3.0%
United States					
Furniture					
Employment	0.476	0.480	0.490	0.487	0.481
Annual Growth Rate	0.3%	0.9%	2.0%	-0.7%	-1.2%
Earnings	\$10.3	\$11.0	\$11.5	\$11.5	\$11.5
Annual Growth Rate	5.0%	7.3%	4.3%	0.5%	-0.1%
Output	\$15.1	\$16.7	\$17.7	\$17.8	\$18.1
Annual Growth Rate	5.8%	10.9%	5.9%	0.6%	1.5%
Stone/Clay/Glass					
Employment	0.512	0.512	0.521	0.516	0.513
Annual Growth Rate	-1.8%	0.0%	1.7%	-0.9%	-0.7%
Earnings	\$14.7	\$15.3	\$15.8	\$15.7	\$15.7
Annual Growth Rate	1.1%	4.1%	3.2%	-0.2%	0.0%
Output	\$24.8	\$26.0	\$27.4	\$27.2	\$27.8
Annual Growth Rate	4.3%	4.8%	5.3%	-0.7%	2.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Primary Metals					
Employment	26.9	27.5	28.1	28.1	27.3
Annual Growth Rate	0.2%	2.5%	2.0%	-0.1%	-2.9%
Earnings	\$1,020	\$1,046	\$1,105	\$1,119	\$1,096
Annual Growth Rate	14.1%	2.5%	5.6%	1.2%	-2.0%
Output	\$870	\$904	\$926	\$933	\$907
Annual Growth Rate	13.5%	3.9%	2.5%	0.8%	-2.8%
Fabricated Metal Products					
Employment	47.9	49.0	49.9	50.2	49.7
Annual Growth Rate	-1.3%	2.5%	1.7%	0.6%	-1.0%
Earnings	\$1,183	\$1,209	\$1,243	\$1,254	\$1,243
Annual Growth Rate	2.3%	2.2%	2.8%	0.9%	-0.9%
Output	\$1,774	\$1,865	\$1,958	\$1,999	\$2,042
Annual Growth Rate	5.9%	5.1%	5.0%	2.1%	2.2%
United States					
Primary Metals					
Employment	0.693	0.676	0.670	0.647	0.627
Annual Growth Rate	-4.0%	-2.6%	-0.9%	-3.3%	-3.1%
Earnings	\$26.0	\$25.8	\$26.1	\$25.5	\$25.0
Annual Growth Rate	4.3%	-0.8%	1.1%	-2.1%	-2.2%
Output	\$34.2	\$35.2	\$36.2	\$35.4	\$35.7
Annual Growth Rate	2.5%	2.8%	2.8%	-2.0%	0.7%
Fabricated Metal Products					
Employment	1.322	1.311	1.323	1.300	1.268
Annual Growth Rate	-2.4%	-0.9%	0.9%	-1.7%	-2.5%
Earnings	\$38.5	\$38.9	\$39.7	\$39.2	\$38.3
Annual Growth Rate	-1.1%	1.2%	2.1%	-1.4%	-2.4%
Output	\$57.7	\$60.0	\$62.6	\$62.4	\$62.9
Annual Growth Rate	2.4%	4.0%	4.3%	-0.3%	0.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Machinery					
Employment	131.0	135.8	143.4	144.2	140.6
Annual Growth Rate	4.0%	3.6%	5.6%	0.6%	-2.5%
Earnings	\$3,234	\$3,497	\$3,808	\$3,870	\$3,794
Annual Growth Rate	6.7%	8.1%	8.9%	1.6%	-2.0%
Output	\$6,351	\$7,381	\$8,204	\$8,657	\$8,970
Annual Growth Rate	11.0%	16.2%	11.2%	5.5%	3.6%
Transportation Equipment					
Employment	67.1	69.9	72.3	72.0	71.2
Annual Growth Rate	10.7%	4.3%	3.4%	-0.5%	-1.0%
Earnings	\$2,128	\$2,279	\$2,415	\$2,429	\$2,427
Annual Growth Rate	9.8%	7.1%	6.0%	0.6%	-0.1%
Output	\$4,106	\$4,665	\$5,202	\$5,404	\$5,729
Annual Growth Rate	11.9%	13.6%	11.5%	3.9%	6.0%
United States					
Machinery					
Employment	3.448	3.419	3.425	3.329	3.196
Annual Growth Rate	-4.0%	-0.8%	0.2%	-2.8%	-4.0%
Earnings	\$114.9	\$116.4	\$120.6	\$118.3	\$114.1
Annual Growth Rate	0.3%	1.3%	3.7%	-1.9%	-3.6%
Output	\$200.7	\$220.0	\$234.9	\$241.3	\$248.3
Annual Growth Rate	6.1%	9.6%	6.8%	2.7%	2.9%
Transportation Equipment					
Employment	1.822	1.727	1.647	1.540	1.449
Annual Growth Rate	-3.6%	-5.2%	-4.6%	-6.5%	-5.9%
Earnings	\$72.0	\$70.1	\$68.7	\$65.0	\$61.7
Annual Growth Rate	1.2%	-2.6%	-2.0%	-5.5%	-5.0%
Output	\$113.8	\$116.7	\$119.4	\$116.1	\$116.6
Annual Growth Rate	2.2%	2.5%	2.3%	-2.8%	0.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Instruments					
Employment	14.1	14.6	14.8	14.8	14.6
Annual Growth Rate	-8.9%	3.6%	1.1%	0.2%	-1.3%
Earnings	\$383	\$389	\$404	\$412	\$412
Annual Growth Rate	1.6%	1.7%	3.8%	1.9%	0.0%
Output	\$414	\$426	\$443	\$461	\$475
Annual Growth Rate	1.9%	2.8%	4.1%	4.0%	3.2%
Miscellaneous Manufacturing					
Employment	18.0	18.4	18.8	18.8	18.2
Annual Growth Rate	10.6%	2.3%	2.1%	-0.1%	-3.3%
Earnings	\$354	\$381	\$390	\$397	\$389
Annual Growth Rate	8.8%	7.6%	2.2%	1.8%	-2.0%
Output	\$639	\$686	\$711	\$716	\$716
Annual Growth Rate	8.1%	7.3%	3.7%	0.7%	0.0%
United States					
Instruments					
Employment	0.925	0.881	0.853	0.825	0.809
Annual Growth Rate	-5.1%	-4.7%	-3.3%	-3.2%	-2.0%
Earnings	\$33.5	\$32.5	\$32.2	\$31.8	\$31.7
Annual Growth Rate	-0.9%	-3.0%	-0.8%	-1.1%	-0.3%
Output	\$51.0	\$50.1	\$49.8	\$50.3	\$51.7
Annual Growth Rate	-0.3%	-1.9%	-0.6%	1.0%	2.8%
Miscellaneous Manufacturing					
Employment	0.364	0.362	0.360	0.350	0.344
Annual Growth Rate	-0.5%	-0.5%	-0.6%	-2.7%	-1.9%
Earnings	\$9.2	\$9.4	\$9.5	\$9.4	\$9.4
Annual Growth Rate	4.1%	1.9%	0.9%	-0.7%	-0.4%
Output	\$16.7	\$17.0	\$17.4	\$17.0	\$17.3
Annual Growth Rate	3.4%	1.7%	2.3%	-1.8%	1.6%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Nondurables					
Employment	455.6	459.5	463.1	461.3	454.6
Annual Growth Rate	2.9%	0.9%	0.8%	-0.4%	-1.4%
Earnings	\$10,283	\$10,605	\$10,888	\$10,999	\$10,968
Annual Growth Rate	5.3%	3.1%	2.7%	1.0%	-0.3%
Output	\$17,859	\$18,510	\$19,095	\$19,437	\$19,883
Annual Growth Rate	5.5%	3.6%	3.2%	1.8%	2.3%
Food					
Employment	63.1	64.0	64.7	65.5	64.5
Annual Growth Rate	-0.6%	1.5%	1.1%	1.2%	-1.5%
Earnings	\$1,408	\$1,453	\$1,488	\$1,523	\$1,505
Annual Growth Rate	2.6%	3.2%	2.4%	2.4%	-1.2%
Output	\$3,101	\$3,198	\$3,270	\$3,364	\$3,378
Annual Growth Rate	1.2%	3.1%	2.3%	2.9%	0.4%
United States					
Nondurables					
Employment	7.804	7.759	7.688	7.567	7.532
Annual Growth Rate	-0.4%	-0.6%	-0.9%	-1.6%	-0.5%
Earnings	\$220.5	\$221.9	\$225.3	\$225.0	\$226.4
Annual Growth Rate	2.6%	0.6%	1.6%	-0.1%	0.6%
Output	\$393.9	\$398.1	\$404.5	\$405.6	\$415.3
Annual Growth Rate	2.0%	1.1%	1.6%	0.3%	2.4%
Food					
Employment	1.655	1.651	1.645	1.629	1.621
Annual Growth Rate	-0.7%	-0.2%	-0.4%	-0.9%	-0.5%
Earnings	\$42.7	\$43.2	\$43.5	\$43.5	\$43.5
Annual Growth Rate	2.5%	1.2%	0.9%	0.0%	-0.1%
Output	\$83.9	\$84.8	\$85.5	\$85.9	\$87.2
Annual Growth Rate	1.1%	1.1%	0.8%	0.5%	1.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Textiles					
Employment	82.2	83.5	85.9	86.3	85.0
Annual Growth Rate	7.1%	1.6%	2.8%	0.4%	-1.4%
Earnings	\$1,601	\$1,700	\$1,757	\$1,774	\$1,762
Annual Growth Rate	10.4%	6.2%	3.4%	1.0%	-0.7%
Output	\$2,573	\$2,698	\$2,851	\$2,916	\$3,021
Annual Growth Rate	17.4%	4.9%	5.7%	2.3%	3.6%
Apparel					
Employment	110.1	110.0	107.6	104.6	101.1
Annual Growth Rate	-0.3%	-0.1%	-2.2%	-2.8%	-3.3%
Earnings	\$1,417	\$1,418	\$1,404	\$1,371	\$1,328
Annual Growth Rate	4.8%	0.1%	-1.0%	-2.3%	-3.2%
Output	\$2,161	\$2,172	\$2,171	\$2,171	\$2,194
Annual Growth Rate	3.5%	0.5%	0.0%	0.0%	1.1%
United States					
Textiles					
Employment	0.671	0.666	0.658	0.637	0.624
Annual Growth Rate	0.2%	-0.7%	-1.3%	-3.2%	-2.1%
Earnings	\$13.3	\$13.7	\$13.7	\$13.3	\$13.1
Annual Growth Rate	2.8%	3.1%	-0.3%	-3.0%	-1.3%
Output	\$23.3	\$23.7	\$24.2	\$23.8	\$24.5
Annual Growth Rate	9.3%	1.9%	1.9%	-1.7%	3.0%
Apparel					
Employment	1.005	0.978	0.926	0.874	0.846
Annual Growth Rate	-0.1%	-2.7%	-5.3%	-5.6%	-3.2%
Earnings	\$16.0	\$15.7	\$15.2	\$14.4	\$14.0
Annual Growth Rate	2.3%	-1.8%	-3.4%	-5.0%	-3.1%
Output	\$23.7	\$23.2	\$22.6	\$21.9	\$22.0
Annual Growth Rate	0.4%	-1.9%	-3.0%	-3.1%	0.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Paper					
Employment	30.5	30.7	30.8	30.8	30.8
Annual Growth Rate	4.7%	0.6%	0.5%	0.0%	-0.1%
Earnings	\$950	\$997	\$1,031	\$1,059	\$1,082
Annual Growth Rate	6.5%	5.0%	3.4%	2.7%	2.1%
Output	\$2,634	\$2,770	\$2,882	\$2,943	\$3,053
Annual Growth Rate	5.7%	5.2%	4.0%	2.1%	3.7%
Printing and Publishing					
Employment	44.6	45.6	46.9	47.9	48.5
Annual Growth Rate	-0.8%	2.1%	3.0%	2.1%	1.2%
Earnings	\$1,032	\$1,031	\$1,080	\$1,111	\$1,125
Annual Growth Rate	4.8%	0.0%	4.7%	2.9%	1.3%
Output	\$1,437	\$1,446	\$1,481	\$1,513	\$1,536
Annual Growth Rate	3.1%	0.6%	2.4%	2.2%	1.5%
United States					
Paper					
Employment	0.687	0.680	0.671	0.658	0.653
Annual Growth Rate	-0.1%	-1.0%	-1.3%	-2.0%	-0.8%
Earnings	\$22.9	\$23.7	\$24.1	\$24.2	\$24.6
Annual Growth Rate	3.2%	3.2%	1.8%	0.5%	1.5%
Output	\$42.8	\$44.1	\$45.1	\$45.1	\$46.5
Annual Growth Rate	1.8%	3.2%	2.2%	0.0%	3.1%
Printing and Publishing					
Employment	1.504	1.505	1.509	1.519	1.538
Annual Growth Rate	-2.1%	0.1%	0.3%	0.7%	1.3%
Earnings	\$42.3	\$41.7	\$42.8	\$43.4	\$44.1
Annual Growth Rate	1.3%	-1.2%	2.5%	1.5%	1.5%
Output	\$61.3	\$60.9	\$61.1	\$61.6	\$62.7
Annual Growth Rate	-0.3%	-0.6%	0.3%	0.8%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Chemicals					
Employment	62.2	63.0	62.9	62.7	61.8
Annual Growth Rate	1.9%	1.2%	-0.1%	-0.4%	-1.4%
Earnings	\$2,392	\$2,462	\$2,541	\$2,574	\$2,578
Annual Growth Rate	-0.4%	2.9%	3.2%	1.3%	0.2%
Output	\$3,128	\$3,276	\$3,399	\$3,454	\$3,509
Annual Growth Rate	-0.2%	4.7%	3.7%	1.6%	1.6%
Rubber and Plastics					
Employment	50.5	50.8	52.6	52.6	52.7
Annual Growth Rate	13.3%	0.6%	3.5%	0.1%	0.1%
Earnings	\$1,271	\$1,336	\$1,389	\$1,400	\$1,412
Annual Growth Rate	14.7%	5.1%	3.9%	0.8%	0.8%
Output	\$2,316	\$2,447	\$2,572	\$2,628	\$2,753
Annual Growth Rate	13.5%	5.6%	5.1%	2.2%	4.8%
United States					
Chemicals					
Employment	1.083	1.074	1.066	1.062	1.063
Annual Growth Rate	0.7%	-0.8%	-0.8%	-0.4%	0.1%
Earnings	\$47.9	\$48.0	\$49.2	\$49.8	\$50.8
Annual Growth Rate	2.4%	0.2%	2.5%	1.3%	2.0%
Output	\$88.2	\$90.0	\$92.7	\$94.2	\$97.4
Annual Growth Rate	2.6%	2.0%	3.0%	1.6%	3.4%
Rubber and Plastics					
Employment	0.872	0.886	0.903	0.893	0.900
Annual Growth Rate	1.2%	1.6%	2.0%	-1.1%	0.7%
Earnings	\$22.9	\$23.5	\$24.5	\$24.4	\$24.8
Annual Growth Rate	5.6%	2.5%	4.3%	-0.4%	1.6%
Output	\$32.8	\$33.8	\$35.6	\$36.0	\$38.0
Annual Growth Rate	4.6%	3.0%	5.4%	1.0%	5.6%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Miscellaneous Nondurables					
Employment	12.4	12.0	11.6	10.8	10.2
Annual Growth Rate	0.5%	-3.4%	-3.4%	-6.5%	-5.5%
Earnings	\$213	\$207	\$199	\$186	\$177
Annual Growth Rate	2.9%	-2.6%	-3.9%	-6.3%	-5.2%
Output	\$507	\$503	\$470	\$448	\$438
Annual Growth Rate	-1.7%	-0.8%	-6.6%	-4.7%	-2.2%
 United States					
Miscellaneous Nondurables					
Employment	0.327	0.318	0.310	0.295	0.287
Annual Growth Rate	-1.6%	-2.8%	-2.6%	-4.8%	-2.7%
Earnings	\$12.5	\$12.4	\$12.4	\$11.9	\$11.6
Annual Growth Rate	1.3%	-1.3%	-0.2%	-3.5%	-2.9%
Output	\$37.8	\$37.5	\$37.8	\$37.3	\$37.1
Annual Growth Rate	1.6%	-0.8%	0.6%	-1.3%	-0.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Transport./Comm./Util.					
Employment	156.3	161.8	166.7	168.8	169.8
Annual Growth Rate	3.6%	3.5%	3.1%	1.2%	0.6%
Earnings	\$4,594	\$4,815	\$5,108	\$5,236	\$5,289
Annual Growth Rate	4.1%	4.8%	6.1%	2.5%	1.0%
Output	\$10,809	\$11,546	\$12,358	\$12,763	\$13,151
Annual Growth Rate	2.7%	6.8%	7.0%	3.3%	3.0%
Wholesale and Retail Trade					
Employment	745.4	779.8	813.0	830.0	841.2
Annual Growth Rate	4.3%	4.6%	4.3%	2.1%	1.3%
Earnings	\$12,324	\$13,113	\$13,787	\$14,067	\$14,223
Annual Growth Rate	5.4%	6.4%	5.1%	2.0%	1.1%
Output	\$21,444	\$23,226	\$24,904	\$25,280	\$25,779
Annual Growth Rate	8.2%	8.3%	7.2%	1.5%	2.0%
United States					
Transport./Comm./Util.					
Employment	5.709	5.710	5.707	5.713	5.721
Annual Growth Rate	-0.9%	0.0%	0.0%	0.1%	0.1%
Earnings	\$198.4	\$200.4	\$203.8	\$204.9	\$205.4
Annual Growth Rate	3.1%	1.0%	1.7%	0.5%	0.3%
Output	\$466.8	\$480.6	\$493.0	\$499.4	\$510.8
Annual Growth Rate	1.8%	3.0%	2.6%	1.3%	2.3%
Wholesale and Retail Trade					
Employment	25.391	25.848	26.377	26.797	27.121
Annual Growth Rate	0.1%	1.8%	2.0%	1.6%	1.2%
Earnings	\$475.3	\$493.4	\$507.7	\$515.3	\$520.1
Annual Growth Rate	2.6%	3.8%	2.9%	1.5%	0.9%
Output	\$827.0	\$873.9	\$917.2	\$926.1	\$942.7
Annual Growth Rate	5.3%	5.7%	5.0%	1.0%	1.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table B.Pessimistic.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
1992 and 1993 Preliminary Estimates and 1994-1996 Forecast

Power Service Area	1992	1993	1994	1995	1996
Finance/Insurance/Real Estate					
Employment	127.7	129.5	132.4	134.2	135.8
Annual Growth Rate	-1.7%	1.4%	2.3%	1.4%	1.2%
Earnings	\$3,242	\$3,318	\$3,462	\$3,535	\$3,578
Annual Growth Rate	7.7%	2.3%	4.3%	2.1%	1.2%
Output	\$13,510	\$14,264	\$14,687	\$14,991	\$15,316
Annual Growth Rate	-1.6%	5.6%	3.0%	2.1%	2.2%
Services					
Employment	719.1	763.0	812.7	849.8	872.7
Annual Growth Rate	8.8%	6.1%	6.5%	4.6%	2.7%
Earnings	\$17,062	\$18,346	\$19,791	\$20,686	\$21,169
Annual Growth Rate	7.1%	7.5%	7.9%	4.5%	2.3%
Output	\$18,929	\$20,227	\$21,225	\$21,770	\$22,071
Annual Growth Rate	4.7%	6.9%	4.9%	2.6%	1.4%
United States					
Finance/Insurance/Real Estate					
Employment	6.571	6.606	6.709	6.776	6.839
Annual Growth Rate	-1.1%	0.5%	1.5%	1.0%	0.9%
Earnings	\$215.8	\$213.8	\$221.0	\$224.4	\$226.8
Annual Growth Rate	12.5%	-0.9%	3.3%	1.5%	1.1%
Output	\$899.1	\$919.3	\$937.4	\$951.5	\$970.7
Annual Growth Rate	2.7%	2.2%	2.0%	1.5%	2.0%
Services					
Employment	29.051	30.187	31.311	32.457	33.667
Annual Growth Rate	2.5%	3.9%	3.7%	3.7%	3.7%
Earnings	\$804.6	\$835.1	\$883.1	\$918.9	\$953.1
Annual Growth Rate	4.8%	3.8%	5.8%	4.1%	3.7%
Output	\$892.5	\$920.7	\$947.1	\$967.0	\$993.7
Annual Growth Rate	2.5%	3.2%	2.9%	2.1%	2.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

HISTORICAL STATISTICS

The regional and national data presented in this section were derived from a variety of sources. Regional employment, earnings, and income were derived from U.S. Bureau of Economic Analysis county and state data. Regional product values were estimated using regional earnings and national earnings and product data. Valley unemployment and population figures are aggregated from U.S. Bureau of Labor Statistics and U.S. Census Bureau county data. All national values are derived from DRI/McGraw-Hill data files which, in turn, are compiled from data released by several U.S. government agencies, including the Bureaus of Economic Analysis and Labor Statistics, the Federal Reserve Board, and the Census Bureau.

Table C.1
Selected Indicators for the United States
Selected Years, 1973 to 1991

	1973	1975	1979	1980	1981
GDP Deflator	0.41	0.49	0.66	0.72	0.79
Annual Growth Rate	6.3%	9.2%	7.4%	9.4%	10.0%
Personal Consumption Exp. Deflator	0.41	0.49	0.65	0.71	0.78
Annual Growth Rate	5.7%	9.1%	7.3%	10.4%	8.9%
Consumer Price Index	0.45	0.54	0.73	0.83	0.91
Annual Growth Rate	6.2%	10.1%	7.8%	13.5%	10.3%
CPI (Excluding Food & Energy)	0.46	0.54	0.72	0.81	0.89
Annual Growth Rate	3.5%	8.8%	7.4%	12.4%	10.5%
Producer Price Index	0.46	0.58	0.78	0.88	0.96
Annual Growth Rate	9.1%	13.0%	7.4%	13.5%	9.2%
PPI (Industrial Commodities)	0.40	0.56	0.76	0.88	0.97
Annual Growth Rate	6.8%	17.9%	7.9%	16.2%	10.3%
Federal Funds Rate	8.7%	5.8%	11.2%	13.4%	16.4%
Annual Change (% points)	4.3%	-1.5%	1.3%	2.2%	3.0%
Prime Rate (4-6 Months)	8.0%	7.9%	12.7%	15.3%	18.9%
Annual Change (% points)	2.8%	-0.1%	1.2%	2.6%	3.6%
3-Month Treasury Bills	7.0%	5.8%	10.1%	11.4%	14.0%
Annual Change (% points)	3.0%	-0.6%	1.1%	1.4%	2.6%
10-Year Treasury Bonds	6.8%	8.0%	9.4%	11.5%	13.9%
Annual Change (% points)	0.6%	0.6%	0.4%	2.0%	2.5%
30-Year Treasury Bonds*	N/A	N/A	9.3%	11.3%	13.4%
Annual Change (% points)	N/A	N/A	N/A	2.0%	2.1%
30-Year Fixed Mortgage Rate	8.0%	9.0%	10.8%	12.7%	14.7%
Annual Change (% points)	0.4%	0.5%	0.4%	1.9%	2.1%
Car Sales (Millions)	11.35	8.54	10.56	8.98	8.53
Annual Growth Rate	4.4%	-13.3%	5.5%	-14.9%	-5.0%
Housing Starts (Millions)	2.04	1.16	1.72	1.30	1.10
Annual Growth Rate	-13.4%	-24.7%	10.3%	-24.3%	-15.7%
Federal Budget Surplus (Billions)	-\$7.9	-\$75.4	-\$28.4	-\$65.0	-\$100.8
Annual Growth Rate	-54.6%	209.2%	-21.7%	129.2%	55.0%
U.S. Dollar Exchange Rate	0.95	0.97	0.91	0.91	1.00
Annual Growth Rate	-6.9%	0.9%	-1.7%	-0.1%	9.9%
Exports (Billions 1987 \$)	\$210.3	\$232.9	\$293.6	\$320.6	\$326.1
Annual Growth Rate	21.1%	5.2%	6.0%	9.2%	1.7%
Price/Barrel of Foreign Crude Oil	\$4.08	\$13.88	\$21.53	\$33.97	\$37.07
Annual Growth Rate	23.7%	84.4%	11.6%	57.8%	9.1%

* 30-Year Treasury Bonds were first issued in June, 1977.

Table C.1
Selected Indicators for the United States
Selected Years, 1973 to 1991

	1982	1983	1984	1985	1986
GDP Deflator	0.84	0.87	0.91	0.94	0.97
Annual Growth Rate	6.2%	4.0%	4.5%	3.6%	2.7%
Personal Consumption Exp. Deflator	0.82	0.86	0.90	0.93	0.96
Annual Growth Rate	5.7%	4.8%	4.0%	3.9%	3.1%
Consumer Price Index	0.97	1.00	1.03	1.07	1.09
Annual Growth Rate	6.0%	3.2%	3.2%	3.6%	1.5%
CPI (Excluding Food & Energy)	0.96	1.00	1.05	1.09	1.14
Annual Growth Rate	7.4%	3.9%	5.1%	4.4%	4.1%
Producer Price Index	1.00	1.02	1.04	1.05	1.03
Annual Growth Rate	4.0%	1.6%	2.1%	0.9%	-1.3%
PPI (Industrial Commodities)	1.00	1.01	1.03	1.04	1.00
Annual Growth Rate	2.7%	1.1%	2.2%	0.4%	-3.6%
Federal Funds Rate	12.3%	9.1%	10.2%	8.1%	6.8%
Annual Change (% points)	-4.1%	-3.2%	1.1%	-2.1%	-1.3%
Prime Rate (4-6 Months)	14.9%	10.8%	12.0%	9.9%	8.3%
Annual Change (% points)	-4.0%	-4.1%	1.2%	-2.1%	-1.6%
3-Month Treasury Bills	10.6%	8.6%	9.5%	7.5%	6.0%
Annual Change (% points)	-3.4%	-2.0%	0.9%	-2.0%	-1.5%
10-Year Treasury Bonds	13.0%	11.1%	12.4%	10.6%	7.7%
Annual Change (% points)	-0.9%	-1.9%	1.3%	-1.8%	-2.9%
30-Year Treasury Bonds	12.8%	11.2%	12.4%	10.8%	7.8%
Annual Change (% points)	-0.7%	-1.6%	1.2%	-1.6%	-3.0%
30-Year Fixed Mortgage Rate	15.1%	12.7%	12.4%	11.6%	10.3%
Annual Change (% points)	0.4%	-2.5%	-0.3%	-0.8%	-1.3%
Car Sales (Millions)	7.97	9.18	10.39	11.04	11.45
Annual Growth Rate	-6.6%	15.2%	13.2%	6.2%	3.7%
Housing Starts (Millions)	1.06	1.71	1.77	1.74	1.81
Annual Growth Rate	-3.6%	61.3%	3.6%	-1.4%	4.0%
Federal Budget Surplus (Billions)	-\$145.6	-\$200.8	-\$194.3	-\$215.6	-\$210.8
Annual Growth Rate	44.5%	37.9%	-3.2%	10.9%	-2.2%
U.S. Dollar Exchange Rate	1.10	1.14	1.22	1.27	1.06
Annual Growth Rate	10.3%	4.0%	7.2%	3.9%	-16.7%
Exports (Billions 1987 \$)	\$296.7	\$285.9	\$305.7	\$309.3	\$329.6
Annual Growth Rate	-9.0%	-3.6%	6.9%	1.2%	6.6%
Price/Barrel of Foreign Crude Oil	\$33.59	\$29.35	\$28.87	\$27.00	\$14.32
Annual Growth Rate	-9.4%	-12.6%	-1.6%	-6.5%	-46.9%

Table C.1
Selected Indicators for the United States
Selected Years, 1973 to 1991

	1987	1988	1989	1990	1991
GDP Deflator	1.00	1.04	1.09	1.13	1.18
Annual Growth Rate	3.1%	3.9%	4.5%	4.3%	3.9%
Personal Consumption Exp. Deflator	1.00	1.04	1.09	1.15	1.20
Annual Growth Rate	4.2%	4.2%	4.8%	5.2%	4.3%
Consumer Price Index	1.14	1.18	1.24	1.31	1.36
Annual Growth Rate	4.7%	4.1%	4.8%	5.4%	4.2%
CPI (Excluding Food & Energy)	1.18	1.24	1.29	1.36	1.42
Annual Growth Rate	4.1%	4.4%	4.5%	5.0%	4.9%
Producer Price Index	1.05	1.08	1.14	1.19	1.22
Annual Growth Rate	2.1%	2.5%	5.1%	4.9%	2.2%
PPI (Industrial Commodities)	1.03	1.06	1.12	1.16	1.17
Annual Growth Rate	2.6%	3.6%	5.0%	3.8%	0.6%
Federal Funds Rate	6.7%	7.6%	9.2%	8.1%	5.7%
Annual Change (% points)	-0.1%	0.9%	1.6%	-1.1%	-2.4%
Prime Rate (4-6 Months)	8.2%	9.3%	10.9%	10.0%	8.5%
Annual Change (% points)	-0.1%	1.1%	1.6%	-0.9%	-1.5%
3-Month Treasury Bills	5.8%	6.7%	8.1%	7.5%	5.4%
Annual Change (% points)	-0.2%	0.9%	1.4%	-0.6%	-2.1%
10-Year Treasury Bonds	8.4%	8.8%	8.5%	8.6%	7.9%
Annual Change (% points)	0.7%	0.5%	-0.3%	0.1%	-0.7%
30-Year Treasury Bonds	8.6%	9.0%	8.4%	8.6%	8.1%
Annual Change (% points)	0.8%	0.4%	-0.5%	0.2%	-0.5%
30-Year Fixed Mortgage Rate	9.3%	9.2%	10.1%	10.0%	9.3%
Annual Change (% points)	-0.9%	-0.1%	0.9%	-0.1%	-0.7%
Car Sales (Millions)	10.25	10.63	9.91	9.50	8.39
Annual Growth Rate	-10.5%	3.8%	-6.8%	-4.2%	-11.7%
Housing Starts (Millions)	1.63	1.49	1.38	1.20	1.01
Annual Growth Rate	-10.0%	-8.8%	-7.1%	-12.9%	-16.0%
Federal Budget Surplus (Billions)	-\$167.1	-\$141.9	-\$155.0	-\$236.4	-\$266.8
Annual Growth Rate	-20.7%	-15.1%	9.2%	52.5%	12.9%
U.S. Dollar Exchange Rate	0.94	0.88	0.91	0.87	0.86
Annual Growth Rate	-11.2%	-6.5%	3.7%	-5.2%	-1.1%
Exports (Billions 1987 \$)	\$364.1	\$421.6	\$471.8	\$510.5	\$543.4
Annual Growth Rate	10.5%	15.8%	11.9%	8.2%	6.4%
Price/Barrel of Foreign Crude Oil	\$18.05	\$14.62	\$18.07	\$22.22	\$18.74
Annual Growth Rate	26.0%	-19.0%	23.6%	23.0%	-15.7%

Table C.2
Selected Indicators for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Nonfarm Payroll Employment	2,189.6	2,138.6	2,549.7	2,511.5	2,512.3
Annual Growth Rate	6.2%	-1.2%	4.5%	-1.5%	0.0%
Total Income (1987 \$)	\$61,211	\$61,061	\$74,027	\$73,639	\$75,353
Annual Growth Rate	8.3%	-0.1%	4.9%	-0.5%	2.3%
Total Income (Current \$)	\$25,112	\$29,828	\$47,877	\$52,597	\$58,606
Annual Growth Rate	14.4%	9.0%	12.6%	9.9%	11.4%
Gross Regional Product (1987 \$)	\$72,464	\$69,563	\$85,667	\$83,232	\$84,788
Annual Growth Rate	8.0%	-2.0%	5.3%	-2.8%	1.9%
Gross Regional Product (Current \$)	\$29,928	\$34,242	\$56,155	\$59,698	\$66,877
Annual Growth Rate	14.8%	7.0%	13.2%	6.3%	12.0%
Population (Thousands)	6,227.7	6,396.7	6,778.6	6,864.1	6,904.3
Annual Growth Rate	1.5%	1.3%	1.5%	1.3%	0.6%
Households (Thousands)	2,012.2	2,122.8	2,373.2	2,431.0	2,460.2
Annual Growth Rate	3.4%	2.7%	2.8%	2.4%	1.2%
Per Capita Income (1987 \$)	\$9,829	\$9,546	\$10,921	\$10,728	\$10,914
Annual Growth Rate	6.7%	-1.5%	3.4%	-1.8%	1.7%
Per Capita Income (Current \$)	\$4,032	\$4,663	\$7,063	\$7,662	\$8,488
Annual Growth Rate	12.8%	7.5%	10.9%	8.5%	10.8%
Unemployment Rate ⁺	4.0%	8.7%	6.0%	7.8%	9.4%
United States					
Nonfarm Payroll Employment	76.8	77.0	89.8	90.4	91.2
Annual Growth Rate	4.2%	0.1%	3.9%	0.7%	0.8%
Total Income (1987 \$)	\$2,678.1	\$2,676.1	\$3,143.6	\$3,171.7	\$3,259.0
Annual Growth Rate	6.0%	0.0%	4.1%	0.9%	2.8%
Total Income (Current \$)	\$1,098.7	\$1,307.3	\$2,033.1	\$2,265.4	\$2,534.7
Annual Growth Rate	12.1%	9.1%	11.7%	11.4%	11.9%
Gross Domestic Product (1987 \$)	\$3,268.6	\$3,221.7	\$3,796.8	\$3,776.4	\$3,843.1
Annual Growth Rate	5.2%	-0.7%	4.2%	-0.5%	1.8%
Gross Domestic Product (Current \$)	\$1,349.6	\$1,585.8	\$2,488.7	\$2,708.1	\$3,030.6
Annual Growth Rate	11.8%	8.4%	11.9%	8.8%	11.9%
Population (Millions)*	212.0	216.1	225.2	227.8	230.1
Annual Growth Rate	1.0%	1.0%	1.0%	1.2%	1.0%
Households (Millions)	68.7	71.9	78.8	80.8	82.4
Annual Growth Rate	2.6%	2.3%	2.3%	2.5%	2.0%
Per Capita Income (1987 \$)	\$12,631	\$12,385	\$13,958	\$13,922	\$14,165
Annual Growth Rate	5.0%	-1.0%	3.0%	-0.3%	1.7%
Per Capita Income (Current \$)	\$5,182	\$6,050	\$9,027	\$9,944	\$11,017
Annual Growth Rate	11.0%	8.1%	10.5%	10.2%	10.8%
Unemployment Rate ⁺	4.9%	8.5%	5.9%	7.2%	7.6%

⁺Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

*The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are now included in the total. Heretofore, the data reflected only the nation's resident population.

PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table C.2
Selected Indicators for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Nonfarm Payroll Employment	2,445.8	2,486.6	2,624.7	2,693.6	2,782.5
Annual Growth Rate	-2.6%	1.7%	5.6%	2.6%	3.3%
Total Income (1987 \$)	\$75,034	\$76,056	\$81,397	\$83,708	\$87,448
Annual Growth Rate	-0.4%	1.4%	7.0%	2.8%	4.5%
Total Income (Current \$)	\$61,678	\$65,522	\$72,931	\$77,912	\$83,950
Annual Growth Rate	5.2%	6.2%	11.3%	6.8%	7.8%
Gross Regional Product (1987 \$)	\$83,411	\$85,288	\$93,266	\$96,883	\$101,105
Annual Growth Rate	-1.6%	2.3%	9.4%	3.9%	4.4%
Gross Regional Product (Current \$)	\$69,878	\$74,328	\$84,942	\$91,433	\$97,996
Annual Growth Rate	4.5%	6.4%	14.3%	7.6%	7.2%
Population (Thousands)	6,936.2	6,959.2	7,003.8	7,049.5	7,076.0
Annual Growth Rate	0.5%	0.3%	0.6%	0.7%	0.4%
Households (Thousands)	2,487.2	2,511.3	2,543.5	2,576.6	2,603.0
Annual Growth Rate	1.1%	1.0%	1.3%	1.3%	1.0%
Per Capita Income (1987 \$)	\$10,818	\$10,929	\$11,622	\$11,874	\$12,358
Annual Growth Rate	-0.9%	1.0%	6.3%	2.2%	4.1%
Per Capita Income (Current \$)	\$8,892	\$9,415	\$10,413	\$11,052	\$11,864
Annual Growth Rate	4.8%	5.9%	10.6%	6.1%	7.3%
Unemployment Rate [†]	12.2%	11.7%	9.1%	8.6%	8.7%
United States					
Nonfarm Payroll Employment	89.5	90.1	94.4	97.4	99.3
Annual Growth Rate	-1.8%	0.7%	4.7%	3.2%	2.0%
Total Income (1987 \$)	\$3,273.7	\$3,322.7	\$3,520.8	\$3,631.2	\$3,740.1
Annual Growth Rate	0.5%	1.5%	6.0%	3.1%	3.0%
Total Income (Current \$)	\$2,691.0	\$2,862.5	\$3,154.6	\$3,379.7	\$3,590.5
Annual Growth Rate	6.2%	6.4%	10.2%	7.1%	6.2%
Gross Domestic Product (1987 \$)	\$3,760.3	\$3,906.6	\$4,148.5	\$4,279.8	\$4,404.5
Annual Growth Rate	-2.2%	3.9%	6.2%	3.2%	2.9%
Gross Domestic Product (Current \$)	\$3,149.6	\$3,405.1	\$3,777.2	\$4,038.7	\$4,268.6
Annual Growth Rate	3.9%	8.1%	10.9%	6.9%	5.7%
Population (Millions)*	232.3	234.4	236.5	238.6	240.8
Annual Growth Rate	1.0%	0.9%	0.9%	0.9%	0.9%
Households (Millions)	83.5	83.9	85.3	86.8	88.5
Annual Growth Rate	1.4%	0.5%	1.6%	1.8%	1.9%
Per Capita Income (1987 \$)	\$14,093	\$14,175	\$14,888	\$15,219	\$15,533
Annual Growth Rate	-0.5%	0.6%	5.0%	2.2%	2.1%
Per Capita Income (Current \$)	\$11,584	\$12,212	\$13,340	\$14,165	\$14,912
Annual Growth Rate	5.2%	5.4%	9.2%	6.2%	5.3%
Unemployment Rate [†]	9.7%	9.6%	7.5%	7.2%	7.0%

[†]Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

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PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table C.2
Selected Indicators for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Nonfarm Payroll Employment	2,907.3	3,020.6	3,116.7	3,169.0	3,160.3
Annual Growth Rate	4.5%	3.9%	3.2%	1.7%	-0.3%
Total Income (1987 \$)	\$90,009	\$92,857	\$94,620	\$95,916	\$96,732
Annual Growth Rate	2.9%	3.2%	1.9%	1.4%	0.9%
Total Income (Current \$)	\$90,009	\$96,780	\$103,396	\$110,231	\$115,958
Annual Growth Rate	7.2%	7.5%	6.8%	6.6%	5.2%
Gross Regional Product (1987 \$)	\$106,564	\$110,464	\$113,922	\$115,242	\$116,182
Annual Growth Rate	5.4%	3.7%	3.1%	1.2%	0.8%
Gross Regional Product (Current \$)	\$106,511	\$114,689	\$123,662	\$130,512	\$136,746
Annual Growth Rate	8.7%	7.7%	7.8%	5.5%	4.8%
Population (Thousands)	7,134.6	7,183.4	7,219.9	7,263.5	7,353.5
Annual Growth Rate	0.8%	0.7%	0.5%	0.6%	1.2%
Households (Thousands)	2,641.7	2,677.2	2,708.6	2,743.3	2,775.4
Annual Growth Rate	1.5%	1.3%	1.2%	1.3%	1.2%
Per Capita Income (1987 \$)	\$12,616	\$12,927	\$13,105	\$13,205	\$13,155
Annual Growth Rate	2.1%	2.5%	1.4%	0.8%	-0.4%
Per Capita Income (Current \$)	\$12,616	\$13,473	\$14,320	\$15,176	\$15,770
Annual Growth Rate	6.3%	6.8%	6.3%	6.0%	3.9%
Unemployment Rate ⁺	7.0%	6.3%	5.7%	5.8%	7.0%
United States					
Nonfarm Payroll Employment	102.0	105.2	107.9	109.4	108.3
Annual Growth Rate	2.6%	3.2%	2.6%	1.4%	-1.1%
Total Income (1987 \$)	\$3,802.0	\$3,910.7	\$4,008.5	\$4,066.8	\$4,046.6
Annual Growth Rate	1.7%	2.9%	2.5%	1.5%	-0.5%
Total Income (Current \$)	\$3,802.0	\$4,075.9	\$4,380.3	\$4,673.8	\$4,850.9
Annual Growth Rate	5.9%	7.2%	7.5%	6.7%	3.8%
Gross Domestic Product (1987 \$)	\$4,540.0	\$4,718.6	\$4,838.1	\$4,897.3	\$4,861.4
Annual Growth Rate	3.1%	3.9%	2.5%	1.2%	-0.7%
Gross Domestic Product (Current \$)	\$4,539.9	\$4,900.4	\$5,250.8	\$5,546.1	\$5,722.9
Annual Growth Rate	6.4%	7.9%	7.2%	5.6%	3.2%
Population (Millions)*	244.2	245.3	247.7	250.3	253.0
Annual Growth Rate	1.4%	0.4%	1.0%	1.1%	1.1%
Households (Millions)	89.5	91.1	92.8	93.3	94.3
Annual Growth Rate	1.2%	1.8%	1.9%	0.6%	1.0%
Per Capita Income (1987 \$)	\$15,568	\$15,942	\$16,185	\$16,250	\$15,992
Annual Growth Rate	0.2%	2.4%	1.5%	0.4%	-1.6%
Per Capita Income (Current \$)	\$15,568	\$16,616	\$17,686	\$18,675	\$19,170
Annual Growth Rate	4.4%	6.7%	6.4%	5.6%	2.7%
Unemployment Rate ⁺	6.2%	5.5%	5.3%	5.5%	6.8%

⁺Due to changes in methodology, the unemployment rates here are slightly different from those presented in earlier Outlooks.

*The definition of U.S. population is slightly different here than in previous Outlooks in that armed forces overseas are now included in the total. Heretofore, the data reflected only the nation's resident population.

PSA data: Employment in thousands; income, earnings and product in millions of dollars.

U.S. data: Employment in millions; income, earnings and product in billions of dollars.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Manufacturing					
Employment	773.1	686.7	811.7	773.7	776.2
Annual Growth Rate	6.6%	-5.8%	4.3%	-4.7%	0.3%
Earnings	\$15,361	\$13,985	\$17,857	\$16,965	\$17,086
Annual Growth Rate	7.3%	-4.6%	6.3%	-5.0%	0.7%
Output	\$18,999	\$15,813	\$21,770	\$20,486	\$21,090
Annual Growth Rate	14.7%	-8.8%	8.3%	-5.9%	2.9%
Construction					
Employment	115.0	106.5	126.5	114.7	110.6
Annual Growth Rate	10.5%	-3.8%	4.4%	-9.4%	-3.6%
Earnings	\$3,204	\$3,020	\$3,609	\$3,196	\$2,924
Annual Growth Rate	10.0%	-2.9%	4.6%	-11.4%	-8.5%
Output	\$4,441	\$4,059	\$4,506	\$3,979	\$3,689
Annual Growth Rate	5.7%	-4.4%	2.6%	-11.7%	-7.3%
United States					
Manufacturing					
Employment	20.153	18.321	21.044	20.288	20.172
Annual Growth Rate	5.2%	-4.7%	3.5%	-3.6%	-0.6%
Earnings	\$537.1	\$493.6	\$608.8	\$585.8	\$581.7
Annual Growth Rate	6.2%	-4.1%	5.4%	-3.8%	-0.7%
Output	\$716.9	\$630.7	\$777.0	\$725.6	\$746.7
Annual Growth Rate	10.0%	-6.2%	5.4%	-6.6%	2.9%
Construction					
Employment	4.094	3.529	4.459	4.353	4.192
Annual Growth Rate	5.3%	-7.2%	6.0%	-2.4%	-3.7%
Earnings	\$142.4	\$128.5	\$160.4	\$148.9	\$138.5
Annual Growth Rate	5.8%	-5.0%	5.7%	-7.2%	-7.0%
Output	\$197.4	\$172.6	\$200.3	\$185.4	\$174.7
Annual Growth Rate	1.6%	-6.5%	3.8%	-7.4%	-5.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Manufacturing					
Employment	721.3	742.4	794.6	790.5	795.8
Annual Growth Rate	-7.1%	2.9%	7.0%	-0.5%	0.7%
Earnings	\$16,085	\$16,812	\$18,107	\$18,164	\$18,635
Annual Growth Rate	-5.9%	4.5%	7.7%	0.3%	2.6%
Output	\$20,417	\$22,254	\$24,288	\$25,173	\$26,279
Annual Growth Rate	-3.2%	9.0%	9.1%	3.6%	4.4%
Construction					
Employment	104.1	98.7	111.8	120.6	126.1
Annual Growth Rate	-5.9%	-5.2%	13.3%	8.0%	4.6%
Earnings	\$2,804	\$2,749	\$3,158	\$3,414	\$3,850
Annual Growth Rate	-4.1%	-2.0%	14.9%	8.1%	12.8%
Output	\$3,539	\$3,488	\$3,992	\$4,455	\$4,616
Annual Growth Rate	-4.1%	-1.4%	14.4%	11.6%	3.6%
United States					
Manufacturing					
Employment	18.783	18.433	19.375	19.250	18.948
Annual Growth Rate	-6.9%	-1.9%	5.1%	-0.6%	-1.6%
Earnings	\$548.5	\$541.4	\$572.8	\$575.5	\$573.4
Annual Growth Rate	-5.7%	-1.3%	5.8%	0.5%	-0.4%
Output	\$711.0	\$733.4	\$791.5	\$810.8	\$819.2
Annual Growth Rate	-4.8%	3.2%	7.9%	2.4%	1.0%
Construction					
Employment	3.908	3.943	4.377	4.667	4.811
Annual Growth Rate	-6.8%	0.9%	11.0%	6.6%	3.1%
Earnings	\$130.6	\$134.0	\$151.0	\$160.2	\$174.4
Annual Growth Rate	-5.7%	2.5%	12.7%	6.1%	8.9%
Output	\$164.9	\$170.0	\$190.9	\$209.0	\$209.1
Annual Growth Rate	-5.6%	3.1%	12.3%	9.5%	0.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Manufacturing					
Employment	816.4	841.4	862.0	861.1	843.2
Annual Growth Rate	2.6%	3.1%	2.4%	-0.1%	-2.1%
Earnings	\$19,003	\$19,613	\$19,956	\$19,761	\$19,644
Annual Growth Rate	2.0%	3.2%	1.8%	-1.0%	-0.6%
Output	\$28,936	\$30,264	\$31,503	\$31,972	\$32,361
Annual Growth Rate	10.1%	4.6%	4.1%	1.5%	1.2%
Construction					
Employment	133.2	136.5	140.0	138.0	129.2
Annual Growth Rate	5.6%	2.5%	2.6%	-1.4%	-6.3%
Earnings	\$3,996	\$4,036	\$4,021	\$3,907	\$3,653
Annual Growth Rate	3.8%	1.0%	-0.4%	-2.8%	-6.5%
Output	\$4,832	\$4,728	\$4,814	\$4,713	\$4,504
Annual Growth Rate	4.7%	-2.1%	1.8%	-2.1%	-4.4%
United States					
Manufacturing					
Employment	18.998	19.314	19.390	19.076	18.406
Annual Growth Rate	0.3%	1.7%	0.4%	-1.6%	-3.5%
Earnings	\$569.6	\$585.3	\$582.8	\$566.7	\$548.1
Annual Growth Rate	-0.7%	2.8%	-0.4%	-2.8%	-3.3%
Output	\$878.4	\$924.5	\$932.5	\$923.0	\$908.4
Annual Growth Rate	7.2%	5.2%	0.9%	-1.0%	-1.6%
Construction					
Employment	4.957	5.096	5.170	5.124	4.654
Annual Growth Rate	3.0%	2.8%	1.5%	-0.9%	-9.2%
Earnings	\$176.2	\$180.3	\$177.8	\$172.8	\$156.6
Annual Growth Rate	1.0%	2.3%	-1.4%	-2.8%	-9.4%
Output	\$213.0	\$211.2	\$212.8	\$208.5	\$193.1
Annual Growth Rate	1.9%	-0.8%	0.8%	-2.0%	-7.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Private Commercial					
Employment	892.8	907.1	1,107.3	1,110.4	1,128.8
Annual Growth Rate	6.4%	0.8%	5.1%	0.3%	1.7%
Earnings	\$20,258	\$19,906	\$24,394	\$23,988	\$23,973
Annual Growth Rate	6.9%	-0.9%	5.2%	-1.7%	-0.1%
Output	\$35,067	\$35,572	\$42,786	\$42,406	\$43,003
Annual Growth Rate	8.2%	0.7%	4.7%	-0.9%	1.4%
Government*					
Employment	399.6	426.0	490.6	499.9	484.3
Annual Growth Rate	4.2%	3.3%	3.6%	1.9%	-3.1%
Earnings	\$8,733	\$8,987	\$10,372	\$10,382	\$10,312
Annual Growth Rate	5.2%	1.4%	3.6%	0.1%	-0.7%
Output	\$11,037	\$11,626	\$13,900	\$14,237	\$14,100
Annual Growth Rate	2.2%	2.6%	4.6%	2.4%	-1.0%
United States					
Private Commercial					
Employment	38.161	39.667	47.415	48.507	49.624
Annual Growth Rate	4.1%	2.0%	4.6%	2.3%	2.3%
Earnings	\$959.5	\$955.5	\$1,158.0	\$1,158.0	\$1,170.0
Annual Growth Rate	4.7%	-0.2%	4.9%	0.0%	1.0%
Output	\$1,732.0	\$1,775.1	\$2,126.3	\$2,148.6	\$2,204.3
Annual Growth Rate	5.4%	1.2%	4.6%	1.0%	2.6%
Government*					
Employment	13.729	14.682	15.949	16.243	16.030
Annual Growth Rate	3.0%	3.4%	2.1%	1.8%	-1.3%
Earnings	\$357.0	\$359.6	\$372.0	\$371.1	\$374.1
Annual Growth Rate	3.1%	0.4%	0.9%	-0.3%	0.8%
Output	\$451.2	\$465.2	\$498.6	\$508.9	\$511.6
Annual Growth Rate	0.3%	1.5%	1.7%	2.1%	0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Private Commercial					
Employment	1,140.6	1,169.0	1,242.8	1,303.1	1,372.8
Annual Growth Rate	1.1%	2.5%	6.3%	4.8%	5.4%
Earnings	\$24,193	\$25,285	\$27,038	\$28,346	\$30,184
Annual Growth Rate	0.9%	4.5%	6.9%	4.8%	6.5%
Output	\$43,370	\$45,358	\$49,201	\$51,250	\$54,391
Annual Growth Rate	0.9%	4.6%	8.5%	4.2%	6.1%
Government*					
Employment	467.8	466.3	465.2	469.2	478.6
Annual Growth Rate	-3.4%	-0.3%	-0.2%	0.9%	2.0%
Earnings	\$10,077	\$10,092	\$10,234	\$10,646	\$10,816
Annual Growth Rate	-2.3%	0.2%	1.4%	4.0%	1.6%
Output	\$13,384	\$13,300	\$13,228	\$13,538	\$13,621
Annual Growth Rate	-5.1%	-0.6%	-0.5%	2.3%	0.6%
United States					
Private Commercial					
Employment	49.896	50.947	53.662	56.148	58.116
Annual Growth Rate	0.5%	2.1%	5.3%	4.6%	3.5%
Earnings	\$1,184.0	\$1,233.1	\$1,309.6	\$1,368.4	\$1,434.3
Annual Growth Rate	1.2%	4.1%	6.2%	4.5%	4.8%
Output	\$2,224.0	\$2,318.4	\$2,484.7	\$2,574.6	\$2,675.5
Annual Growth Rate	0.9%	4.2%	7.2%	3.6%	3.9%
Government*					
Employment	15.835	15.868	16.023	16.394	16.692
Annual Growth Rate	-1.2%	0.2%	1.0%	2.3%	1.8%
Earnings	\$381.8	\$388.9	\$399.9	\$414.8	\$425.9
Annual Growth Rate	2.1%	1.9%	2.8%	3.7%	2.7%
Output	\$507.1	\$512.5	\$516.9	\$527.5	\$536.4
Annual Growth Rate	-0.9%	1.1%	0.9%	2.1%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table C.3
Employment, Earnings, and Output by Major Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Private Commercial					
Employment	1,456.9	1,533.3	1,599.8	1,642.9	1,656.2
Annual Growth Rate	6.1%	5.2%	4.3%	2.7%	0.8%
Earnings	\$31,845	\$33,112	\$33,904	\$34,675	\$35,055
Annual Growth Rate	5.5%	4.0%	2.4%	2.3%	1.1%
Output	\$56,204	\$58,292	\$60,689	\$61,368	\$62,151
Annual Growth Rate	3.3%	3.7%	4.1%	1.1%	1.3%
Government*					
Employment	492.1	500.4	506.0	518.3	524.1
Annual Growth Rate	2.8%	1.7%	1.1%	2.4%	1.1%
Earnings	\$11,255	\$11,566	\$11,531	\$11,749	\$11,771
Annual Growth Rate	4.1%	2.8%	-0.3%	1.9%	0.2%
Output	\$14,028	\$14,293	\$14,189	\$14,473	\$14,486
Annual Growth Rate	3.0%	1.9%	-0.7%	2.0%	0.1%
United States					
Private Commercial					
Employment	60.272	62.698	64.862	66.210	66.109
Annual Growth Rate	3.7%	4.0%	3.5%	2.1%	-0.2%
Earnings	\$1,501.8	\$1,565.2	\$1,593.5	\$1,627.9	\$1,615.3
Annual Growth Rate	4.7%	4.2%	1.8%	2.2%	-0.8%
Output	\$2,756.5	\$2,872.8	\$2,971.9	\$2,998.4	\$2,990.1
Annual Growth Rate	3.0%	4.2%	3.4%	0.9%	-0.3%
Government*					
Employment	17.009	17.385	17.779	18.304	18.402
Annual Growth Rate	1.9%	2.2%	2.3%	3.0%	0.5%
Earnings	\$437.5	\$449.8	\$460.8	\$472.2	\$478.5
Annual Growth Rate	2.7%	2.8%	2.4%	2.5%	1.3%
Output	\$545.3	\$555.9	\$567.0	\$581.7	\$588.9
Annual Growth Rate	1.7%	1.9%	2.0%	2.6%	1.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in millions; income, earnings and product in billions of 1987 dollars.

*Employment is for civilian government only.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Durables					
Employment	330.9	284.5	368.9	341.3	345.3
Annual Growth Rate	9.6%	-7.3%	6.7%	-7.5%	1.2%
Earnings	\$6,969	\$6,185	\$8,529	\$8,001	\$8,164
Annual Growth Rate	10.3%	-5.8%	8.4%	-6.2%	2.0%
Output	\$8,645	\$6,925	\$9,631	\$8,990	\$9,274
Annual Growth Rate	15.0%	-10.5%	8.6%	-6.7%	3.2%
Lumber					
Employment	27.8	27.6	36.7	32.6	31.8
Annual Growth Rate	1.4%	-0.3%	7.4%	-11.1%	-2.7%
Earnings	\$506	\$468	\$734	\$654	\$592
Annual Growth Rate	8.5%	-3.8%	11.9%	-10.8%	-9.5%
Output	\$514	\$364	\$580	\$530	\$470
Annual Growth Rate	-4.7%	-15.8%	12.4%	-8.6%	-11.3%
United States					
Durables					
Employment	11.863	10.660	12.732	12.161	12.083
Annual Growth Rate	7.6%	-5.2%	4.5%	-4.5%	-0.6%
Earnings	\$342.5	\$310.7	\$390.6	\$375.9	\$374.3
Annual Growth Rate	8.3%	-4.8%	5.9%	-3.8%	-0.4%
Output	\$432.0	\$371.6	\$457.9	\$424.5	\$429.7
Annual Growth Rate	11.4%	-7.3%	5.4%	-7.3%	1.2%
Lumber					
Employment	0.774	0.626	0.782	0.705	0.680
Annual Growth Rate	4.6%	-10.0%	5.7%	-9.8%	-3.6%
Earnings	\$15.5	\$14.1	\$20.3	\$17.8	\$15.9
Annual Growth Rate	7.5%	-4.5%	9.5%	-12.3%	-10.7%
Output	\$21.8	\$20.1	\$23.4	\$21.6	\$19.5
Annual Growth Rate	2.8%	-4.1%	3.9%	-7.7%	-9.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Durables					
Employment	313.3	328.4	365.1	371.1	372.5
Annual Growth Rate	-9.3%	4.8%	11.2%	1.6%	0.4%
Earnings	\$7,483	\$7,958	\$8,949	\$9,138	\$9,395
Annual Growth Rate	-8.3%	6.3%	12.4%	2.1%	2.8%
Output	\$8,502	\$9,493	\$11,210	\$11,739	\$12,223
Annual Growth Rate	-8.3%	11.7%	18.1%	4.7%	4.1%
Lumber					
Employment	28.8	31.2	34.2	33.6	33.7
Annual Growth Rate	-9.2%	8.1%	9.7%	-1.7%	0.3%
Earnings	\$500	\$571	\$654	\$648	\$715
Annual Growth Rate	-15.5%	14.2%	14.5%	-1.0%	10.4%
Output	\$471	\$547	\$642	\$629	\$713
Annual Growth Rate	0.2%	16.1%	17.3%	-2.0%	13.3%
United States					
Durables					
Employment	11.015	10.707	11.477	11.458	11.195
Annual Growth Rate	-8.8%	-2.8%	7.2%	-0.2%	-2.3%
Earnings	\$345.4	\$336.9	\$363.4	\$367.5	\$363.4
Annual Growth Rate	-7.7%	-2.5%	7.8%	1.1%	-1.1%
Output	\$392.4	\$402.4	\$458.3	\$468.2	\$471.5
Annual Growth Rate	-8.7%	2.5%	13.9%	2.2%	0.7%
Lumber					
Employment	0.610	0.670	0.718	0.711	0.724
Annual Growth Rate	-10.2%	9.8%	7.1%	-0.9%	1.8%
Earnings	\$13.5	\$15.3	\$16.7	\$16.7	\$17.9
Annual Growth Rate	-14.7%	12.8%	9.7%	-0.5%	7.6%
Output	\$19.3	\$22.5	\$25.3	\$24.9	\$27.5
Annual Growth Rate	-1.0%	16.6%	12.4%	-1.6%	10.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Durables					
Employment	383.3	400.1	414.1	412.8	400.6
Annual Growth Rate	2.9%	4.4%	3.5%	-0.3%	-2.9%
Earnings	\$9,588	\$9,950	\$10,153	\$9,993	\$9,876
Annual Growth Rate	2.1%	3.8%	2.0%	-1.6%	-1.2%
Output	\$13,653	\$14,503	\$15,120	\$15,174	\$15,439
Annual Growth Rate	11.7%	6.2%	4.3%	0.4%	1.7%
Lumber					
Employment	36.2	38.3	38.0	37.9	35.6
Annual Growth Rate	7.5%	5.6%	-0.6%	-0.3%	-6.0%
Earnings	\$760	\$792	\$805	\$789	\$760
Annual Growth Rate	6.4%	4.1%	1.7%	-2.0%	-3.6%
Output	\$822	\$822	\$822	\$834	\$799
Annual Growth Rate	15.3%	0.0%	0.0%	1.5%	-4.2%
United States					
Durables					
Employment	11.154	11.362	11.394	11.108	10.569
Annual Growth Rate	-0.4%	1.9%	0.3%	-2.5%	-4.9%
Earnings	\$357.0	\$365.9	\$364.1	\$349.6	\$333.1
Annual Growth Rate	-1.7%	2.5%	-0.5%	-4.0%	-4.7%
Output	\$503.2	\$537.0	\$543.0	\$535.1	\$522.2
Annual Growth Rate	6.7%	6.7%	1.1%	-1.5%	-2.4%
Lumber					
Employment	0.754	0.768	0.756	0.733	0.675
Annual Growth Rate	4.1%	1.8%	-1.5%	-3.0%	-7.9%
Earnings	\$18.6	\$19.3	\$19.0	\$17.9	\$16.7
Annual Growth Rate	4.0%	3.3%	-1.3%	-5.8%	-6.6%
Output	\$31.0	\$30.3	\$29.4	\$28.7	\$26.7
Annual Growth Rate	12.7%	-2.3%	-3.0%	-2.3%	-7.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Furniture					
Employment	44.9	33.8	40.3	36.9	37.7
Annual Growth Rate	4.8%	-13.2%	4.5%	-8.4%	2.1%
Earnings	\$701	\$539	\$599	\$588	\$619
Annual Growth Rate	4.7%	-12.4%	2.7%	-1.9%	5.3%
Output	\$717	\$465	\$598	\$529	\$667
Annual Growth Rate	6.8%	-19.5%	6.5%	-11.6%	26.1%
Stone/Clay/Glass					
Employment	23.4	20.0	22.8	20.1	19.1
Annual Growth Rate	15.3%	-7.6%	3.3%	-11.9%	-4.8%
Earnings	\$564	\$467	\$576	\$504	\$483
Annual Growth Rate	17.3%	-9.0%	5.4%	-12.5%	-4.2%
Output	\$910	\$640	\$659	\$646	\$519
Annual Growth Rate	8.6%	-16.1%	0.7%	-2.0%	-19.7%
United States					
Furniture					
Employment	0.507	0.417	0.498	0.466	0.464
Annual Growth Rate	4.9%	-9.3%	4.5%	-6.4%	-0.3%
Earnings	\$10.6	\$8.0	\$8.7	\$9.1	\$9.2
Annual Growth Rate	6.0%	-13.0%	2.0%	4.6%	1.2%
Output	\$11.0	\$8.8	\$11.1	\$11.6	\$11.8
Annual Growth Rate	7.3%	-10.5%	6.0%	4.5%	1.7%
Stone/Clay/Glass					
Employment	0.680	0.597	0.673	0.629	0.606
Annual Growth Rate	5.6%	-6.3%	3.0%	-6.5%	-3.7%
Earnings	\$18.8	\$16.8	\$20.2	\$18.8	\$18.1
Annual Growth Rate	5.8%	-5.6%	4.8%	-6.8%	-3.6%
Output	\$26.8	\$22.8	\$26.7	\$23.8	\$22.3
Annual Growth Rate	10.4%	-7.9%	4.1%	-10.9%	-6.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Furniture					
Employment	35.2	39.2	44.2	46.2	46.5
Annual Growth Rate	-6.6%	11.4%	12.6%	4.7%	0.6%
Earnings	\$586	\$678	\$768	\$824	\$822
Annual Growth Rate	-5.3%	15.7%	13.3%	7.3%	-0.2%
Output	\$633	\$757	\$841	\$927	\$918
Annual Growth Rate	-5.1%	19.6%	11.0%	10.2%	-1.0%
Stone/Clay/Glass					
Employment	16.6	17.3	19.5	19.1	20.0
Annual Growth Rate	-13.0%	3.9%	13.1%	-2.0%	4.4%
Earnings	\$425	\$451	\$515	\$519	\$543
Annual Growth Rate	-11.9%	6.0%	14.2%	0.8%	4.6%
Output	\$415	\$546	\$648	\$673	\$748
Annual Growth Rate	-20.1%	31.5%	18.8%	3.9%	11.1%
United States					
Furniture					
Employment	0.432	0.448	0.487	0.493	0.498
Annual Growth Rate	-7.0%	3.7%	8.6%	1.3%	1.0%
Earnings	\$8.5	\$9.1	\$10.0	\$10.3	\$10.4
Annual Growth Rate	-6.7%	6.3%	10.0%	3.1%	0.8%
Output	\$11.0	\$12.3	\$13.5	\$14.3	\$14.3
Annual Growth Rate	-6.8%	11.8%	9.8%	5.9%	0.0%
Stone/Clay/Glass					
Employment	0.548	0.541	0.562	0.557	0.554
Annual Growth Rate	-9.6%	-1.3%	3.9%	-0.8%	-0.6%
Earnings	\$16.5	\$16.4	\$17.2	\$17.0	\$17.0
Annual Growth Rate	-9.0%	-0.5%	4.8%	-1.4%	0.1%
Output	\$18.2	\$22.0	\$23.9	\$24.5	\$25.9
Annual Growth Rate	-18.4%	20.9%	8.6%	2.5%	5.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Furniture					
Employment	48.3	51.1	53.9	54.2	52.5
Annual Growth Rate	3.9%	5.7%	5.5%	0.5%	-3.1%
Earnings	\$880	\$917	\$936	\$943	\$923
Annual Growth Rate	7.0%	4.3%	2.1%	0.7%	-2.2%
Output	\$985	\$1,015	\$1,059	\$1,023	\$1,088
Annual Growth Rate	7.3%	3.1%	4.3%	-3.4%	6.4%
Stone/Clay/Glass					
Employment	21.2	20.9	21.0	20.5	18.9
Annual Growth Rate	5.8%	-1.3%	0.4%	-2.4%	-7.8%
Earnings	\$569	\$565	\$538	\$512	\$472
Annual Growth Rate	4.8%	-0.7%	-4.8%	-4.7%	-7.8%
Output	\$758	\$782	\$792	\$785	\$720
Annual Growth Rate	1.3%	3.2%	1.3%	-0.9%	-8.2%
United States					
Furniture					
Employment	0.515	0.527	0.524	0.506	0.475
Annual Growth Rate	3.5%	2.3%	-0.4%	-3.5%	-6.1%
Earnings	\$11.0	\$11.1	\$11.0	\$10.6	\$9.8
Annual Growth Rate	5.9%	1.1%	-0.9%	-3.8%	-7.7%
Output	\$15.2	\$15.2	\$15.4	\$14.2	\$14.3
Annual Growth Rate	6.3%	0.0%	1.3%	-7.8%	0.4%
Stone/Clay/Glass					
Employment	0.554	0.567	0.568	0.556	0.521
Annual Growth Rate	0.0%	2.3%	0.2%	-2.1%	-6.3%
Earnings	\$16.9	\$16.6	\$16.2	\$15.7	\$14.5
Annual Growth Rate	-0.4%	-2.1%	-2.0%	-3.4%	-7.5%
Output	\$24.8	\$25.1	\$26.0	\$26.0	\$23.8
Annual Growth Rate	-4.2%	1.2%	3.6%	0.0%	-8.4%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

	1973	1975	1979	1980	1981
Power Service Area					
Primary Metals					
Employment	30.6	27.3	34.0	31.4	31.2
Annual Growth Rate	-0.5%	-5.6%	5.6%	-7.6%	-0.6%
Earnings	\$930	\$855	\$1,204	\$1,158	\$1,153
Annual Growth Rate	3.1%	-4.1%	8.9%	-3.8%	-0.4%
Output	\$1,309	\$980	\$918	\$906	\$795
Annual Growth Rate	44.9%	-13.5%	-1.6%	-1.3%	-12.3%
Fabricated Metal Products					
Employment	41.8	43.1	50.1	46.6	44.9
Annual Growth Rate	5.3%	1.6%	3.8%	-6.9%	-3.6%
Earnings	\$935	\$997	\$1,179	\$1,113	\$1,085
Annual Growth Rate	5.4%	3.3%	4.4%	-5.6%	-2.5%
Output	\$1,179	\$985	\$1,331	\$1,256	\$1,386
Annual Growth Rate	9.1%	-8.6%	7.8%	-5.7%	10.4%
United States					
Primary Metals					
Employment	1,259	1,139	1,254	1,142	1,122
Annual Growth Rate	7.3%	-4.9%	2.4%	-8.9%	-1.7%
Earnings	\$43.9	\$39.8	\$48.5	\$44.4	\$44.2
Annual Growth Rate	10.0%	-4.8%	5.1%	-8.5%	-0.4%
Output	\$68.8	\$52.2	\$54.1	\$49.2	\$51.0
Annual Growth Rate	18.0%	-12.9%	0.9%	-9.1%	3.7%
Fabricated Metal Products					
Employment	1,645	1,453	1,713	1,609	1,586
Annual Growth Rate	6.7%	-6.0%	4.2%	-6.0%	-1.4%
Earnings	\$41.2	\$40.7	\$48.8	\$46.1	\$45.4
Annual Growth Rate	8.7%	-0.6%	4.6%	-5.4%	-1.6%
Output	\$54.6	\$43.7	\$57.3	\$54.6	\$55.2
Annual Growth Rate	10.6%	-10.5%	7.0%	-4.7%	1.1%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Primary Metals					
Employment	26.4	25.2	26.8	26.6	26.5
Annual Growth Rate	-15.4%	-4.5%	6.1%	-0.9%	-0.2%
Earnings	\$1,009	\$925	\$965	\$900	\$926
Annual Growth Rate	-12.5%	-8.4%	4.4%	-6.7%	2.9%
Output	\$645	\$538	\$665	\$645	\$780
Annual Growth Rate	-18.9%	-16.6%	23.6%	-3.0%	21.0%
Fabricated Metal Products					
Employment	40.3	39.9	43.3	45.4	44.9
Annual Growth Rate	-10.3%	-1.0%	8.7%	4.9%	-1.1%
Earnings	\$978	\$977	\$1,053	\$1,094	\$1,083
Annual Growth Rate	-9.9%	-0.2%	7.8%	3.9%	-1.0%
Output	\$1,227	\$1,311	\$1,401	\$1,473	\$1,464
Annual Growth Rate	-11.5%	6.8%	6.8%	5.1%	-0.6%
United States					
Primary Metals					
Employment	0.922	0.832	0.857	0.808	0.751
Annual Growth Rate	-17.9%	-9.7%	3.0%	-5.8%	-7.0%
Earnings	\$36.2	\$31.6	\$32.3	\$29.6	\$27.4
Annual Growth Rate	-18.1%	-12.6%	2.0%	-8.3%	-7.3%
Output	\$38.0	\$32.3	\$37.7	\$35.3	\$38.5
Annual Growth Rate	-25.5%	-15.0%	16.7%	-6.4%	9.1%
Fabricated Metal Products					
Employment	1.425	1.368	1.462	1.464	1.422
Annual Growth Rate	-10.2%	-4.0%	6.8%	0.2%	-2.8%
Earnings	\$41.1	\$39.6	\$42.4	\$42.8	\$41.7
Annual Growth Rate	-9.4%	-3.8%	7.1%	1.0%	-2.5%
Output	\$49.1	\$50.6	\$56.4	\$57.6	\$56.4
Annual Growth Rate	-11.1%	3.1%	11.5%	2.1%	-2.1%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Primary Metals					
Employment	26.3	27.2	27.8	27.6	26.8
Annual Growth Rate	-0.7%	3.4%	2.3%	-0.8%	-2.9%
Earnings	\$869	\$913	\$934	\$927	\$894
Annual Growth Rate	-6.2%	5.2%	2.3%	-0.8%	-3.6%
Output	\$729	\$702	\$701	\$770	\$766
Annual Growth Rate	-6.6%	-3.7%	-0.1%	9.9%	-0.5%
Fabricated Metal Products					
Employment	46.4	47.2	49.7	50.4	48.5
Annual Growth Rate	3.4%	1.6%	5.4%	1.2%	-3.7%
Earnings	\$1,114	\$1,145	\$1,200	\$1,203	\$1,156
Annual Growth Rate	2.9%	2.8%	4.8%	0.2%	-3.9%
Output	\$1,631	\$1,708	\$1,762	\$1,741	\$1,676
Annual Growth Rate	11.4%	4.7%	3.2%	-1.2%	-3.7%
United States					
Primary Metals					
Employment	0.746	0.770	0.772	0.756	0.723
Annual Growth Rate	-0.7%	3.2%	0.2%	-2.0%	-4.4%
Earnings	\$26.3	\$27.7	\$27.7	\$26.7	\$24.9
Annual Growth Rate	-4.0%	5.1%	0.1%	-3.6%	-6.6%
Output	\$36.3	\$34.5	\$33.3	\$35.1	\$33.4
Annual Growth Rate	-5.7%	-5.0%	-3.5%	5.4%	-4.9%
Fabricated Metal Products					
Employment	1.399	1.428	1.445	1.419	1.355
Annual Growth Rate	-1.6%	2.1%	1.2%	-1.8%	-4.5%
Earnings	\$40.4	\$41.5	\$41.6	\$40.8	\$38.9
Annual Growth Rate	-3.1%	2.6%	0.3%	-2.0%	-4.6%
Output	\$59.2	\$61.9	\$61.1	\$59.0	\$56.3
Annual Growth Rate	5.0%	4.6%	-1.3%	-3.4%	-4.5%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Machinery					
Employment	105.5	88.5	124.4	118.0	120.5
Annual Growth Rate	18.2%	-8.4%	8.9%	-5.2%	2.1%
Earnings	\$2,178	\$1,905	\$2,806	\$2,621	\$2,694
Annual Growth Rate	17.8%	-6.5%	10.2%	-6.6%	2.8%
Output	\$2,925	\$2,438	\$3,826	\$3,699	\$3,868
Annual Growth Rate	26.7%	-8.7%	11.9%	-3.3%	4.6%
Transportation Equipment					
Employment	34.3	22.1	33.2	29.8	34.0
Annual Growth Rate	9.6%	-19.7%	10.7%	-10.1%	14.1%
Earnings	\$756	\$555	\$906	\$868	\$1,009
Annual Growth Rate	7.8%	-14.3%	13.0%	-4.2%	16.3%
Output	\$690	\$536	\$1,207	\$938	\$1,101
Annual Growth Rate	-3.0%	-11.9%	22.5%	-22.3%	17.5%
United States					
Machinery					
Employment	3.778	3.517	4.302	4.288	4.294
Annual Growth Rate	9.7%	-3.5%	5.2%	-0.3%	0.2%
Earnings	\$115.7	\$107.7	\$136.7	\$136.6	\$137.7
Annual Growth Rate	9.7%	-3.5%	6.1%	0.0%	0.8%
Output	\$124.9	\$112.5	\$150.2	\$151.0	\$154.3
Annual Growth Rate	13.3%	-5.1%	7.5%	0.5%	2.2%
Transportation Equipment					
Employment	1.914	1.700	2.059	1.881	1.879
Annual Growth Rate	7.8%	-5.8%	4.9%	-8.7%	-0.1%
Earnings	\$73.5	\$60.1	\$78.4	\$73.4	\$73.1
Annual Growth Rate	7.1%	-9.6%	6.9%	-6.4%	-0.4%
Output	\$94.4	\$81.2	\$98.7	\$78.1	\$77.3
Annual Growth Rate	9.7%	-7.2%	5.0%	-20.9%	-1.0%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Machinery					
Employment	107.3	112.7	127.1	125.9	122.9
Annual Growth Rate	-10.9%	5.0%	12.7%	-0.9%	-2.4%
Earnings	\$2,433	\$2,650	\$3,038	\$3,050	\$3,069
Annual Growth Rate	-9.7%	8.9%	14.6%	0.4%	0.6%
Output	\$3,286	\$3,648	\$4,182	\$4,345	\$4,385
Annual Growth Rate	-15.1%	11.0%	14.6%	3.9%	0.9%
Transportation Equipment					
Employment	33.3	37.1	43.8	47.0	49.9
Annual Growth Rate	-2.2%	11.4%	18.0%	7.5%	6.2%
Earnings	\$1,025	\$1,162	\$1,378	\$1,509	\$1,608
Annual Growth Rate	1.5%	13.4%	18.5%	9.5%	6.6%
Output	\$1,352	\$1,670	\$2,183	\$2,378	\$2,513
Annual Growth Rate	22.7%	23.6%	30.7%	8.9%	5.7%
United States					
Machinery					
Employment	3.965	3.756	4.087	4.054	3.864
Annual Growth Rate	-7.7%	-5.3%	8.8%	-0.8%	-4.7%
Earnings	\$130.5	\$125.8	\$137.8	\$140.0	\$136.0
Annual Growth Rate	-5.2%	-3.6%	9.5%	1.6%	-2.9%
Output	\$136.3	\$137.4	\$154.1	\$161.3	\$158.4
Annual Growth Rate	-11.7%	0.8%	12.2%	4.7%	-1.8%
Transportation Equipment					
Employment	1.718	1.730	1.883	1.960	2.002
Annual Growth Rate	-8.6%	0.7%	8.8%	4.1%	2.2%
Earnings	\$68.4	\$68.7	\$75.4	\$79.9	\$81.0
Annual Growth Rate	-6.4%	0.4%	9.7%	6.0%	1.4%
Output	\$83.6	\$89.0	\$104.8	\$109.5	\$109.2
Annual Growth Rate	8.2%	6.5%	17.8%	4.5%	-0.3%

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Table C.4
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for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Machinery					
Employment	124.5	129.2	135.5	131.0	125.9
Annual Growth Rate	1.3%	3.8%	4.8%	-3.3%	-3.9%
Earnings	\$3,101	\$3,227	\$3,325	\$3,107	\$3,031
Annual Growth Rate	1.0%	4.1%	3.0%	-6.6%	-2.4%
Output	\$5,154	\$5,459	\$5,965	\$5,736	\$5,720
Annual Growth Rate	17.5%	5.9%	9.3%	-3.8%	-0.3%
Transportation Equipment					
Employment	51.5	53.7	55.4	58.4	60.6
Annual Growth Rate	3.2%	4.2%	3.2%	5.4%	3.7%
Earnings	\$1,644	\$1,667	\$1,687	\$1,806	\$1,938
Annual Growth Rate	2.2%	1.4%	1.2%	7.1%	7.3%
Output	\$2,812	\$3,011	\$3,002	\$3,239	\$3,671
Annual Growth Rate	11.9%	7.1%	-0.3%	7.9%	13.3%
United States					
Machinery					
Employment	3.777	3.852	3.869	3.768	3.591
Annual Growth Rate	-2.2%	2.0%	0.4%	-2.6%	-4.7%
Earnings	\$132.8	\$125.0	\$124.7	\$119.5	\$114.5
Annual Growth Rate	-2.3%	-5.9%	-0.2%	-4.2%	-4.2%
Output	\$178.4	\$181.9	\$193.4	\$189.9	\$189.1
Annual Growth Rate	12.6%	2.0%	6.3%	-1.8%	-0.4%
Transportation Equipment					
Employment	2.027	2.036	2.051	1.989	1.890
Annual Growth Rate	1.2%	0.4%	0.8%	-3.1%	-5.0%
Earnings	\$79.3	\$79.2	\$78.6	\$75.2	\$71.1
Annual Growth Rate	-2.1%	-0.1%	-0.8%	-4.2%	-5.5%
Output	\$116.0	\$121.3	\$117.5	\$112.4	\$111.3
Annual Growth Rate	6.2%	4.6%	-3.1%	-4.4%	-1.0%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Instruments					
Employment	7.2	8.1	10.6	9.9	10.7
Annual Growth Rate	12.8%	5.6%	7.1%	-6.6%	7.4%
Earnings	\$133	\$154	\$219	\$203	\$227
Annual Growth Rate	13.7%	7.8%	9.2%	-7.1%	11.4%
Output	\$81	\$105	\$179	\$185	\$147
Annual Growth Rate	-32.0%	13.6%	14.4%	2.9%	-20.4%
Miscellaneous Manufacturing					
Employment	15.4	14.0	16.8	15.9	15.6
Annual Growth Rate	9.3%	-4.8%	4.7%	-5.3%	-2.1%
Earnings	\$267	\$245	\$306	\$293	\$301
Annual Growth Rate	7.7%	-4.2%	5.8%	-4.5%	2.8%
Output	\$320	\$412	\$333	\$300	\$320
Annual Growth Rate	-6.7%	13.4%	-5.2%	-9.7%	6.4%
United States					
Instruments					
Employment	0.851	0.804	1.007	1.022	1.041
Annual Growth Rate	8.2%	-2.8%	5.8%	1.5%	1.9%
Earnings	\$13.8	\$14.9	\$19.1	\$20.0	\$21.1
Annual Growth Rate	8.7%	3.9%	6.5%	4.7%	5.2%
Output	\$17.9	\$18.8	\$24.3	\$24.2	\$26.1
Annual Growth Rate	9.3%	2.3%	6.7%	-0.4%	7.9%
Miscellaneous Manufacturing					
Employment	0.454	0.407	0.445	0.418	0.408
Annual Growth Rate	4.8%	-5.4%	2.4%	-6.0%	-2.4%
Earnings	\$9.6	\$8.7	\$10.0	\$9.6	\$9.7
Annual Growth Rate	2.4%	-4.9%	3.6%	-3.2%	0.3%
Output	\$11.9	\$11.6	\$12.1	\$10.3	\$12.2
Annual Growth Rate	-0.3%	-1.3%	1.2%	-14.0%	17.3%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Instruments					
Employment	11.2	11.1	11.0	11.5	11.6
Annual Growth Rate	5.0%	-1.3%	-0.5%	4.4%	1.3%
Earnings	\$247	\$253	\$267	\$281	\$297
Annual Growth Rate	9.1%	2.3%	5.5%	5.5%	5.6%
Output	\$157	\$167	\$182	\$179	\$187
Annual Growth Rate	7.0%	6.1%	9.1%	-1.6%	4.3%
Miscellaneous Manufacturing					
Employment	14.2	14.8	15.3	15.6	16.4
Annual Growth Rate	-8.9%	4.2%	3.4%	2.2%	4.8%
Earnings	\$279	\$292	\$312	\$314	\$332
Annual Growth Rate	-7.2%	4.8%	6.8%	0.7%	5.6%
Output	\$316	\$309	\$466	\$489	\$515
Annual Growth Rate	-1.2%	-2.2%	50.7%	5.1%	5.2%
United States					
Instruments					
Employment	1.014	0.990	1.040	1.045	1.019
Annual Growth Rate	-2.7%	-2.3%	5.1%	0.4%	-2.5%
Earnings	\$21.5	\$21.4	\$22.0	\$22.3	\$22.9
Annual Growth Rate	1.8%	-0.4%	2.8%	1.4%	2.7%
Output	\$25.3	\$26.1	\$27.9	\$26.7	\$27.3
Annual Growth Rate	-3.1%	3.2%	6.9%	-4.3%	2.2%
Miscellaneous Manufacturing					
Employment	0.382	0.370	0.382	0.367	0.361
Annual Growth Rate	-6.4%	-3.1%	3.1%	-4.0%	-1.6%
Earnings	\$9.2	\$9.1	\$9.7	\$9.0	\$9.0
Annual Growth Rate	-5.0%	-1.5%	6.6%	-6.3%	-0.4%
Output	\$11.6	\$10.2	\$14.7	\$14.1	\$14.0
Annual Growth Rate	-4.9%	-12.1%	44.1%	-4.1%	-0.7%

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Table C.4
Employment, Earnings, and Output by Industry within the Durables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Instruments					
Employment	11.8	14.0	14.9	15.5	15.5
Annual Growth Rate	1.6%	18.8%	6.6%	3.9%	-0.2%
Earnings	\$300	\$349	\$364	\$367	\$377
Annual Growth Rate	0.9%	16.5%	4.4%	0.8%	2.6%
Output	\$191	\$348	\$369	\$406	\$406
Annual Growth Rate	2.4%	82.1%	5.9%	10.2%	-0.1%
Miscellaneous Manufacturing					
Employment	17.0	18.4	17.8	17.4	16.3
Annual Growth Rate	3.6%	8.7%	-3.7%	-2.6%	-5.8%
Earnings	\$352	\$375	\$363	\$339	\$325
Annual Growth Rate	6.2%	6.4%	-3.2%	-6.5%	-4.0%
Output	\$571	\$655	\$647	\$639	\$591
Annual Growth Rate	10.9%	14.7%	-1.2%	-1.2%	-7.6%
United States					
Instruments					
Employment	1.011	1.031	1.026	1.006	0.974
Annual Growth Rate	-0.7%	2.0%	-0.5%	-1.9%	-3.2%
Earnings	\$22.3	\$35.9	\$35.5	\$34.2	\$33.8
Annual Growth Rate	-2.5%	60.9%	-1.0%	-3.8%	-1.2%
Output	\$27.3	\$49.8	\$49.6	\$52.7	\$51.2
Annual Growth Rate	0.0%	82.4%	-0.4%	6.3%	-2.9%
Miscellaneous Manufacturing					
Employment	0.370	0.383	0.381	0.375	0.365
Annual Growth Rate	2.4%	3.6%	-0.4%	-1.6%	-2.6%
Earnings	\$9.2	\$9.7	\$9.7	\$9.1	\$8.9
Annual Growth Rate	2.6%	5.1%	-0.3%	-6.5%	-2.0%
Output	\$15.0	\$17.0	\$17.3	\$17.1	\$16.1
Annual Growth Rate	7.1%	13.3%	1.8%	-1.2%	-5.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Nondurables					
Employment	442.2	402.2	442.9	432.4	430.8
Annual Growth Rate	4.5%	-4.6%	2.4%	-2.4%	-0.4%
Earnings	\$8,392	\$7,801	\$9,328	\$8,964	\$8,923
Annual Growth Rate	4.9%	-3.6%	4.6%	-3.9%	-0.5%
Output	\$10,354	\$8,888	\$12,139	\$11,496	\$11,816
Annual Growth Rate	14.4%	-7.3%	8.1%	-5.3%	2.8%
Food					
Employment	56.3	56.2	59.6	59.6	58.4
Annual Growth Rate	1.8%	-0.1%	1.5%	0.1%	-2.2%
Earnings	\$1,170	\$1,208	\$1,344	\$1,324	\$1,303
Annual Growth Rate	3.9%	1.6%	2.7%	-1.5%	-1.6%
Output	\$1,649	\$1,457	\$2,175	\$2,235	\$2,376
Annual Growth Rate	10.3%	-6.0%	10.5%	2.7%	6.3%
United States					
Nondurables					
Employment	8.291	7.661	8.312	8.127	8.090
Annual Growth Rate	2.0%	-3.9%	2.1%	-2.2%	-0.5%
Earnings	\$194.6	\$182.9	\$218.2	\$209.9	\$207.4
Annual Growth Rate	2.5%	-3.1%	4.5%	-3.8%	-1.2%
Output	\$284.9	\$259.1	\$319.1	\$301.1	\$317.0
Annual Growth Rate	8.0%	-4.6%	5.5%	-5.6%	5.3%
Food					
Employment	1.715	1.657	1.733	1.708	1.671
Annual Growth Rate	-1.8%	-1.7%	1.1%	-1.4%	-2.1%
Earnings	\$41.7	\$41.0	\$44.7	\$43.7	\$43.0
Annual Growth Rate	0.2%	-0.9%	2.2%	-2.1%	-1.6%
Output	\$57.8	\$53.2	\$62.4	\$64.3	\$65.9
Annual Growth Rate	7.4%	-4.0%	4.0%	3.0%	2.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States.
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Nondurables					
Employment	408.0	414.1	429.5	419.4	423.3
Annual Growth Rate	-5.3%	1.5%	3.7%	-2.3%	0.9%
Earnings	\$8,602	\$8,853	\$9,158	\$9,026	\$9,241
Annual Growth Rate	-3.6%	2.9%	3.4%	-1.4%	2.4%
Output	\$11,915	\$12,761	\$13,079	\$13,435	\$14,056
Annual Growth Rate	0.8%	7.1%	2.5%	2.7%	4.6%
Food					
Employment	58.3	57.3	58.2	59.3	60.0
Annual Growth Rate	-0.1%	-1.8%	1.7%	1.9%	1.1%
Earnings	\$1,321	\$1,281	\$1,310	\$1,327	\$1,364
Annual Growth Rate	1.4%	-3.0%	2.3%	1.3%	2.7%
Output	\$2,567	\$2,473	\$2,503	\$2,681	\$2,669
Annual Growth Rate	8.0%	-3.7%	1.2%	7.1%	-0.4%
United States					
Nondurables					
Employment	7.767	7.726	7.898	7.791	7.753
Annual Growth Rate	-4.0%	-0.5%	2.2%	-1.3%	-0.5%
Earnings	\$203.1	\$204.4	\$209.4	\$208.0	\$210.1
Annual Growth Rate	-2.1%	0.7%	2.4%	-0.7%	1.0%
Output	\$318.6	\$331.0	\$333.2	\$342.6	\$347.7
Annual Growth Rate	0.5%	3.9%	0.7%	2.8%	1.5%
Food					
Employment	1.636	1.615	1.612	1.601	1.607
Annual Growth Rate	-2.1%	-1.3%	-0.2%	-0.7%	0.4%
Earnings	\$42.7	\$41.7	\$41.6	\$41.3	\$41.7
Annual Growth Rate	-0.8%	-2.4%	-0.2%	-0.7%	1.0%
Output	\$73.3	\$72.2	\$71.2	\$74.7	\$73.1
Annual Growth Rate	11.2%	-1.5%	-1.4%	4.9%	-2.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Nondurables					
Employment	433.1	441.4	448.0	448.5	442.6
Annual Growth Rate	2.3%	1.9%	1.5%	0.1%	-1.3%
Earnings	\$9,415	\$9,663	\$9,803	\$9,768	\$9,767
Annual Growth Rate	1.9%	2.6%	1.5%	-0.4%	0.0%
Output	\$15,283	\$15,761	\$16,383	\$16,798	\$16,922
Annual Growth Rate	8.7%	3.1%	3.9%	2.5%	0.7%
Food					
Employment	61.1	61.7	61.8	63.1	63.4
Annual Growth Rate	1.9%	1.0%	0.1%	2.1%	0.5%
Earnings	\$1,381	\$1,388	\$1,363	\$1,370	\$1,372
Annual Growth Rate	1.3%	0.5%	-1.9%	0.6%	0.1%
Output	\$2,918	\$3,039	\$2,928	\$3,019	\$3,064
Annual Growth Rate	9.3%	4.2%	-3.7%	3.1%	1.5%
United States					
Nondurables					
Employment	7.845	7.952	7.997	7.968	7.836
Annual Growth Rate	1.2%	1.4%	0.6%	-0.4%	-1.6%
Earnings	\$212.6	\$219.4	\$218.7	\$217.1	\$215.0
Annual Growth Rate	1.2%	3.2%	-0.3%	-0.7%	-1.0%
Output	\$375.2	\$387.5	\$389.5	\$387.9	\$386.1
Annual Growth Rate	7.9%	3.3%	0.5%	-0.4%	-0.5%
Food					
Employment	1.617	1.626	1.644	1.661	1.667
Annual Growth Rate	0.6%	0.6%	1.1%	1.0%	0.4%
Earnings	\$41.7	\$42.1	\$41.4	\$41.4	\$41.6
Annual Growth Rate	0.1%	0.9%	-1.7%	-0.1%	0.6%
Output	\$78.9	\$82.4	\$79.5	\$81.4	\$83.0
Annual Growth Rate	7.9%	4.4%	-3.5%	2.4%	2.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Textiles					
Employment	84.9	68.8	74.5	69.2	67.4
Annual Growth Rate	4.7%	-10.0%	2.0%	-7.2%	-2.5%
Earnings	\$1,471	\$1,153	\$1,345	\$1,231	\$1,196
Annual Growth Rate	5.6%	-11.5%	3.9%	-8.5%	-2.9%
Output	\$1,143	\$975	\$1,374	\$1,224	\$1,197
Annual Growth Rate	2.0%	-7.7%	9.0%	-10.9%	-2.2%
Apparel					
Employment	124.4	112.0	119.3	120.6	119.9
Annual Growth Rate	5.0%	-5.1%	1.6%	1.1%	-0.5%
Earnings	\$1,510	\$1,324	\$1,506	\$1,472	\$1,457
Annual Growth Rate	6.6%	-6.4%	3.5%	-2.2%	-1.0%
Output	\$1,290	\$1,144	\$1,623	\$1,693	\$1,574
Annual Growth Rate	17.3%	-5.8%	9.1%	4.3%	-7.1%
United States					
Textiles					
Employment	1,010	0,868	0,885	0,848	0,823
Annual Growth Rate	2.4%	-7.3%	0.5%	-4.2%	-2.9%
Earnings	\$18.9	\$15.3	\$16.6	\$15.7	\$15.1
Annual Growth Rate	4.0%	-10.0%	2.1%	-5.7%	-3.6%
Output	\$13.6	\$11.5	\$17.8	\$17.3	\$17.2
Annual Growth Rate	-2.3%	-8.4%	11.7%	-2.8%	-0.6%
Apparel					
Employment	1,438	1,243	1,305	1,263	1,244
Annual Growth Rate	4.0%	-7.0%	1.2%	-3.2%	-1.5%
Earnings	\$21.4	\$18.2	\$21.4	\$19.2	\$18.3
Annual Growth Rate	2.6%	-7.7%	4.1%	-10.3%	-5.0%
Output	\$18.0	\$16.8	\$21.5	\$20.4	\$19.9
Annual Growth Rate	7.3%	-3.4%	6.4%	-5.1%	-2.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Textiles					
Employment	63.2	66.8	70.0	67.7	70.3
Annual Growth Rate	-6.2%	5.7%	4.8%	-3.3%	3.9%
Earnings	\$1,120	\$1,242	\$1,294	\$1,254	\$1,349
Annual Growth Rate	-6.4%	11.0%	4.1%	-3.1%	7.5%
Output	\$1,237	\$1,448	\$1,541	\$1,566	\$1,745
Annual Growth Rate	3.4%	17.0%	6.4%	1.6%	11.4%
Apparel					
Employment	112.0	115.5	121.1	113.6	116.4
Annual Growth Rate	-6.6%	3.1%	4.8%	-6.2%	2.4%
Earnings	\$1,346	\$1,420	\$1,458	\$1,367	\$1,400
Annual Growth Rate	-7.6%	5.5%	2.7%	-6.3%	2.4%
Output	\$1,449	\$1,641	\$1,682	\$1,650	\$1,771
Annual Growth Rate	-7.9%	13.2%	2.5%	-1.9%	7.3%
United States					
Textiles					
Employment	0.749	0.741	0.746	0.702	0.703
Annual Growth Rate	-9.0%	-1.1%	0.7%	-5.9%	0.1%
Earnings	\$13.6	\$14.3	\$14.1	\$13.3	\$13.7
Annual Growth Rate	-10.1%	5.3%	-1.1%	-6.1%	3.5%
Output	\$16.3	\$18.1	\$18.3	\$18.0	\$19.3
Annual Growth Rate	-5.2%	11.0%	1.1%	-1.6%	7.2%
Apparel					
Employment	1.161	1.163	1.185	1.121	1.100
Annual Growth Rate	-6.7%	0.2%	1.9%	-5.4%	-1.9%
Earnings	\$17.1	\$17.4	\$17.9	\$17.1	\$17.2
Annual Growth Rate	-6.3%	1.5%	3.3%	-4.6%	0.3%
Output	\$18.6	\$20.4	\$21.0	\$20.9	\$21.9
Annual Growth Rate	-6.5%	9.7%	2.9%	-0.5%	4.8%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Textiles					
Employment	74.9	77.2	77.7	77.5	76.7
Annual Growth Rate	6.6%	3.0%	0.7%	-0.6%	-0.7%
Earnings	\$1,449	\$1,465	\$1,483	\$1,436	\$1,450
Annual Growth Rate	7.5%	1.1%	1.2%	-3.2%	1.0%
Output	\$1,881	\$1,901	\$2,019	\$2,103	\$2,192
Annual Growth Rate	7.8%	1.1%	6.2%	4.2%	4.3%
Apparel					
Employment	118.0	117.7	117.1	113.5	110.4
Annual Growth Rate	1.4%	-0.2%	-0.5%	-3.3%	-2.6%
Earnings	\$1,430	\$1,436	\$1,419	\$1,363	\$1,352
Annual Growth Rate	2.1%	0.4%	-1.1%	-3.9%	-0.9%
Output	\$1,897	\$1,980	\$2,105	\$2,056	\$2,089
Annual Growth Rate	7.1%	4.3%	6.3%	-2.3%	1.6%
United States					
Textiles					
Employment	0.725	0.728	0.720	0.691	0.670
Annual Growth Rate	3.2%	0.4%	-1.2%	-4.0%	-3.1%
Earnings	\$14.4	\$14.2	\$14.1	\$13.5	\$13.0
Annual Growth Rate	4.8%	-1.4%	-0.4%	-5.7%	-2.6%
Output	\$20.3	\$20.0	\$20.9	\$21.2	\$21.3
Annual Growth Rate	5.2%	-1.5%	4.5%	1.4%	0.5%
Apparel					
Employment	1.097	1.085	1.075	1.036	1.006
Annual Growth Rate	-0.3%	-1.1%	-0.9%	-3.7%	-2.9%
Earnings	\$17.0	\$17.1	\$16.8	\$16.0	\$15.6
Annual Growth Rate	-1.1%	0.8%	-1.6%	-5.1%	-2.5%
Output	\$22.6	\$23.5	\$24.7	\$23.7	\$23.6
Annual Growth Rate	3.2%	4.0%	5.1%	-4.0%	-0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Paper					
Employment	17.5	17.4	22.4	21.8	21.5
Annual Growth Rate	5.8%	-0.3%	6.3%	-2.8%	-1.1%
Earnings	\$438	\$445	\$615	\$619	\$618
Annual Growth Rate	6.0%	0.8%	8.4%	0.6%	-0.1%
Output	\$1,090	\$860	\$1,269	\$1,252	\$1,232
Annual Growth Rate	20.1%	-11.1%	10.2%	-1.4%	-1.6%
Printing and Publishing					
Employment	23.6	23.7	30.3	30.3	31.3
Annual Growth Rate	4.9%	0.3%	6.5%	0.1%	3.2%
Earnings	\$511	\$484	\$736	\$673	\$653
Annual Growth Rate	5.5%	-2.7%	11.1%	-8.6%	-3.0%
Output	\$792	\$773	\$1,129	\$1,055	\$1,063
Annual Growth Rate	22.4%	-1.2%	9.9%	-6.5%	0.7%
United States					
Paper					
Employment	0.694	0.633	0.698	0.685	0.681
Annual Growth Rate	2.3%	-4.5%	2.4%	-1.8%	-0.6%
Earnings	\$19.6	\$18.2	\$21.9	\$21.6	\$21.6
Annual Growth Rate	3.0%	-3.6%	4.7%	-1.5%	0.1%
Output	\$31.6	\$25.4	\$33.5	\$30.9	\$31.0
Annual Growth Rate	14.0%	-10.4%	7.2%	-7.8%	0.3%
Printing and Publishing					
Employment	1.111	1.083	1.235	1.252	1.266
Annual Growth Rate	1.5%	-1.2%	3.5%	1.4%	1.1%
Earnings	\$29.1	\$27.3	\$36.4	\$34.0	\$32.6
Annual Growth Rate	2.4%	-3.1%	7.5%	-6.6%	-4.1%
Output	\$47.3	\$45.5	\$54.5	\$52.7	\$53.6
Annual Growth Rate	5.8%	-1.9%	4.6%	-3.3%	1.7%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Paper					
Employment	20.9	21.5	22.5	23.5	23.8
Annual Growth Rate	-3.2%	2.9%	4.8%	4.6%	1.2%
Earnings	\$629	\$658	\$700	\$728	\$738
Annual Growth Rate	1.8%	4.7%	6.3%	3.9%	1.5%
Output	\$1,322	\$1,468	\$1,542	\$1,630	\$1,713
Annual Growth Rate	7.3%	11.0%	5.0%	5.7%	5.1%
Printing and Publishing					
Employment	31.9	34.1	36.2	37.6	39.3
Annual Growth Rate	2.1%	6.9%	6.0%	3.9%	4.5%
Earnings	\$671	\$719	\$761	\$794	\$849
Annual Growth Rate	2.7%	7.2%	5.8%	4.4%	6.9%
Output	\$1,083	\$1,139	\$1,174	\$1,190	\$1,226
Annual Growth Rate	1.9%	5.2%	3.0%	1.4%	3.1%
United States					
Paper					
Employment	0.655	0.654	0.674	0.671	0.667
Annual Growth Rate	-3.7%	-0.2%	3.0%	-0.4%	-0.6%
Earnings	\$21.1	\$21.5	\$22.5	\$22.5	\$22.7
Annual Growth Rate	-2.4%	1.9%	4.7%	-0.1%	0.9%
Output	\$31.9	\$34.4	\$35.4	\$35.7	\$36.9
Annual Growth Rate	2.9%	7.8%	2.9%	0.8%	3.4%
Printing and Publishing					
Employment	1.272	1.298	1.375	1.426	1.456
Annual Growth Rate	0.4%	2.1%	5.9%	3.7%	2.1%
Earnings	\$33.1	\$34.1	\$36.0	\$37.6	\$39.0
Annual Growth Rate	1.5%	3.0%	5.6%	4.5%	3.6%
Output	\$53.8	\$54.9	\$57.4	\$58.9	\$58.6
Annual Growth Rate	0.4%	2.0%	4.6%	2.6%	-0.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Paper					
Employment	24.8	26.2	28.0	29.0	29.1
Annual Growth Rate	4.2%	5.7%	6.8%	3.3%	0.3%
Earnings	\$769	\$813	\$864	\$875	\$892
Annual Growth Rate	4.1%	5.7%	6.3%	1.2%	1.9%
Output	\$1,883	\$2,035	\$2,172	\$2,396	\$2,492
Annual Growth Rate	9.9%	8.1%	6.7%	10.3%	4.0%
Printing and Publishing					
Employment	41.0	43.0	44.8	45.8	45.0
Annual Growth Rate	4.4%	4.8%	4.3%	2.2%	-1.8%
Earnings	\$898	\$959	\$1,000	\$1,004	\$985
Annual Growth Rate	5.8%	6.7%	4.3%	0.4%	-1.9%
Output	\$1,293	\$1,356	\$1,426	\$1,401	\$1,394
Annual Growth Rate	5.5%	4.8%	5.1%	-1.8%	-0.5%
United States					
Paper					
Employment	0.674	0.689	0.696	0.697	0.688
Annual Growth Rate	1.0%	2.2%	1.0%	0.1%	-1.3%
Earnings	\$22.8	\$23.0	\$22.9	\$22.6	\$22.2
Annual Growth Rate	0.4%	0.8%	-0.1%	-1.3%	-1.9%
Output	\$38.7	\$39.7	\$39.5	\$42.2	\$42.1
Annual Growth Rate	4.9%	2.6%	-0.5%	6.8%	-0.3%
Printing and Publishing					
Employment	1.503	1.543	1.556	1.569	1.535
Annual Growth Rate	3.2%	2.7%	0.9%	0.9%	-2.2%
Earnings	\$40.7	\$42.8	\$43.2	\$42.8	\$41.7
Annual Growth Rate	4.4%	5.3%	0.8%	-0.9%	-2.5%
Output	\$61.0	\$63.1	\$64.1	\$62.2	\$61.5
Annual Growth Rate	4.1%	3.4%	1.6%	-3.0%	-1.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Chemicals					
Employment	70.7	67.4	70.8	70.8	69.2
Annual Growth Rate	3.3%	-2.3%	1.2%	-0.1%	-2.2%
Earnings	\$2,052	\$2,080	\$2,397	\$2,373	\$2,349
Annual Growth Rate	3.0%	0.7%	3.6%	-1.0%	-1.0%
Output	\$2,783	\$2,151	\$2,741	\$2,324	\$2,536
Annual Growth Rate	20.5%	-12.1%	6.2%	-15.2%	9.1%
Rubber and Plastics					
Employment	30.0	28.4	38.7	34.0	34.8
Annual Growth Rate	11.9%	-2.6%	8.0%	-12.1%	2.1%
Earnings	\$705	\$661	\$935	\$829	\$861
Annual Growth Rate	12.3%	-3.1%	9.1%	-11.4%	3.9%
Output	\$942	\$806	\$1,218	\$1,140	\$1,247
Annual Growth Rate	9.8%	-7.5%	10.9%	-6.4%	9.4%
United States					
Chemicals					
Employment	1,037	1,015	1,109	1,107	1,109
Annual Growth Rate	2.8%	-1.1%	2.2%	-0.2%	0.1%
Earnings	\$33.0	\$33.7	\$40.6	\$40.6	\$40.9
Annual Growth Rate	3.0%	1.1%	4.8%	-0.2%	0.8%
Output	\$57.6	\$50.6	\$65.1	\$57.5	\$62.0
Annual Growth Rate	11.4%	-6.3%	6.5%	-11.7%	7.8%
Rubber and Plastics					
Employment	0.731	0.643	0.821	0.764	0.772
Annual Growth Rate	9.6%	-6.2%	6.5%	-6.9%	1.1%
Earnings	\$16.7	\$14.6	\$19.7	\$18.4	\$18.8
Annual Growth Rate	7.7%	-6.3%	7.7%	-6.5%	2.2%
Output	\$16.3	\$13.6	\$18.9	\$18.5	\$20.4
Annual Growth Rate	14.9%	-8.5%	8.5%	-2.1%	10.3%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Chemicals					
Employment	66.6	63.7	64.4	62.0	59.7
Annual Growth Rate	-3.7%	-4.3%	1.1%	-3.7%	-3.7%
Earnings	\$2,328	\$2,292	\$2,310	\$2,288	\$2,285
Annual Growth Rate	-0.9%	-1.5%	0.8%	-1.0%	-0.1%
Output	\$2,578	\$2,734	\$2,643	\$2,632	\$2,877
Annual Growth Rate	1.7%	6.1%	-3.3%	-0.4%	9.3%
Rubber and Plastics					
Employment	31.7	34.2	37.8	39.4	39.0
Annual Growth Rate	-8.9%	8.1%	10.5%	4.0%	-0.8%
Earnings	\$800	\$883	\$991	\$997	\$1,013
Annual Growth Rate	-7.2%	10.4%	12.2%	0.7%	1.6%
Output	\$1,167	\$1,346	\$1,486	\$1,606	\$1,612
Annual Growth Rate	-6.4%	15.4%	10.4%	8.0%	0.4%
United States					
Chemicals					
Employment	1.075	1.043	1.049	1.044	1.021
Annual Growth Rate	-3.0%	-3.0%	0.6%	-0.5%	-2.2%
Earnings	\$41.0	\$40.6	\$41.3	\$41.4	\$42.2
Annual Growth Rate	0.3%	-0.9%	1.7%	0.3%	1.8%
Output	\$63.8	\$68.1	\$66.4	\$67.0	\$74.8
Annual Growth Rate	2.9%	6.7%	-2.5%	0.9%	11.6%
Rubber and Plastics					
Employment	0.729	0.743	0.813	0.818	0.822
Annual Growth Rate	-5.6%	1.9%	9.5%	0.6%	0.5%
Earnings	\$17.8	\$18.6	\$20.3	\$20.3	\$20.4
Annual Growth Rate	-5.2%	4.4%	10.3%	-1.1%	0.8%
Output	\$19.4	\$21.3	\$24.2	\$26.1	\$26.0
Annual Growth Rate	-4.9%	9.8%	13.6%	7.9%	-0.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Chemicals					
Employment	58.1	58.9	60.0	61.1	61.1
Annual Growth Rate	-2.7%	1.4%	1.8%	1.8%	0.0%
Earnings	\$2,172	\$2,228	\$2,271	\$2,355	\$2,402
Annual Growth Rate	-5.0%	2.6%	1.9%	3.7%	2.0%
Output	\$3,051	\$2,941	\$3,005	\$3,175	\$3,135
Annual Growth Rate	6.0%	-3.6%	2.2%	5.7%	-1.3%
Rubber and Plastics					
Employment	41.5	43.0	44.7	45.7	44.6
Annual Growth Rate	6.2%	3.8%	3.8%	2.3%	-2.4%
Earnings	\$1,076	\$1,138	\$1,171	\$1,143	\$1,108
Annual Growth Rate	6.2%	5.7%	2.9%	-2.4%	-3.1%
Output	\$1,836	\$1,938	\$2,126	\$2,118	\$2,041
Annual Growth Rate	13.9%	5.6%	9.7%	-0.4%	-3.7%
United States					
Chemicals					
Employment	1.025	1.057	1.074	1.086	1.076
Annual Growth Rate	0.4%	3.2%	1.6%	1.1%	-1.0%
Earnings	\$41.6	\$44.8	\$45.1	\$46.5	\$46.8
Annual Growth Rate	-1.4%	7.6%	0.8%	2.7%	1.0%
Output	\$82.3	\$83.2	\$84.1	\$88.0	\$86.0
Annual Growth Rate	10.0%	1.1%	1.1%	4.6%	-2.2%
Rubber and Plastics					
Employment	0.842	0.866	0.888	0.887	0.862
Annual Growth Rate	2.4%	2.8%	2.5%	0.0%	-2.9%
Earnings	\$21.3	\$22.4	\$22.6	\$22.5	\$21.7
Annual Growth Rate	4.1%	5.5%	0.6%	-1.1%	-2.8%
Output	\$29.0	\$30.0	\$32.2	\$32.5	\$31.4
Annual Growth Rate	11.5%	3.4%	7.3%	0.9%	-3.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Miscellaneous Nondurables					
Employment	34.7	28.2	27.3	26.1	28.4
Annual Growth Rate	2.4%	-9.9%	-0.8%	-4.3%	8.7%
Earnings	\$535	\$445	\$449	\$442	\$485
Annual Growth Rate	-1.7%	-8.8%	0.2%	-1.5%	9.6%
Output	\$665	\$721	\$610	\$573	\$593
Annual Growth Rate	7.9%	4.1%	-4.1%	-6.1%	3.4%
 United States					
Miscellaneous Nondurables					
Employment	0.555	0.518	0.526	0.500	0.522
Annual Growth Rate	-2.1%	-3.4%	0.4%	-5.0%	4.6%
Earnings	\$14.3	\$14.5	\$16.8	\$16.7	\$17.1
Annual Growth Rate	0.3%	0.7%	3.7%	-0.5%	2.3%
Output	\$42.6	\$42.5	\$45.4	\$39.5	\$47.0
Annual Growth Rate	4.5%	-0.1%	1.6%	-13.0%	19.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Miscellaneous Nondurables					
Employment	23.4	20.9	19.2	16.2	14.8
Annual Growth Rate	-17.6%	-10.6%	-8.2%	-15.5%	-8.8%
Earnings	\$389	\$357	\$333	\$271	\$242
Annual Growth Rate	-19.9%	-8.2%	-6.5%	-18.6%	-10.7%
Output	\$513	\$513	\$508	\$482	\$442
Annual Growth Rate	-13.5%	0.0%	-1.0%	-5.1%	-8.1%
 United States					
Miscellaneous Nondurables					
Employment	0.488	0.469	0.443	0.408	0.377
Annual Growth Rate	-6.5%	-4.0%	-5.5%	-7.9%	-7.7%
Earnings	\$16.6	\$16.3	\$15.4	\$14.5	\$13.2
Annual Growth Rate	-2.7%	-2.3%	-5.3%	-5.8%	-9.2%
Output	\$41.5	\$41.6	\$39.3	\$41.3	\$37.1
Annual Growth Rate	-11.7%	0.2%	-5.5%	5.1%	-10.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.5
Employment, Earnings, and Output by Industry within the Nondurables Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Miscellaneous Nondurables					
Employment	13.7	13.6	13.8	13.1	12.3
Annual Growth Rate	-7.3%	-0.9%	1.7%	-5.0%	-5.9%
Earnings	\$240	\$236	\$232	\$222	\$207
Annual Growth Rate	-1.0%	-1.5%	-1.7%	-4.6%	-6.8%
Output	\$524	\$572	\$603	\$529	\$516
Annual Growth Rate	18.4%	9.1%	5.5%	-12.2%	-2.5%
 United States					
Miscellaneous Nondurables					
Employment	0.362	0.357	0.344	0.340	0.332
Annual Growth Rate	-3.8%	-1.4%	-3.8%	-1.1%	-2.2%
Earnings	\$13.2	\$13.0	\$12.5	\$12.5	\$12.4
Annual Growth Rate	0.0%	-1.5%	-3.5%	-1.5%	0.4%
Output	\$42.4	\$45.6	\$44.5	\$36.7	\$37.3
Annual Growth Rate	14.3%	7.5%	-2.4%	-17.5%	1.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Transport./Comm./Util.					
Employment	94.4	92.5	112.4	111.0	111.4
Annual Growth Rate	5.4%	-1.0%	5.0%	-1.2%	0.3%
Earnings	\$2,860	\$2,742	\$3,552	\$3,454	\$3,452
Annual Growth Rate	8.6%	-2.1%	6.7%	-2.8%	-0.1%
Output	\$5,251	\$5,309	\$6,559	\$6,478	\$6,464
Annual Growth Rate	12.0%	0.6%	5.4%	-1.2%	-0.2%
Wholesale and Retail Trade					
Employment	420.9	431.8	528.9	520.0	521.6
Annual Growth Rate	6.1%	1.3%	5.2%	-1.7%	0.3%
Earnings	\$8,385	\$8,294	\$9,875	\$9,417	\$9,184
Annual Growth Rate	7.2%	-0.5%	4.5%	-4.6%	-2.5%
Output	\$10,613	\$10,428	\$12,930	\$12,151	\$12,584
Annual Growth Rate	6.9%	-0.9%	5.5%	-6.0%	3.6%
United States					
Transport./Comm./Util.					
Employment	4.656	4.542	5.136	5.147	5.165
Annual Growth Rate	2.5%	-1.2%	3.1%	0.2%	0.4%
Earnings	\$156.0	\$150.9	\$181.7	\$179.3	\$180.0
Annual Growth Rate	5.2%	-1.7%	4.8%	-1.3%	0.4%
Output	\$286.4	\$292.0	\$335.5	\$336.2	\$337.1
Annual Growth Rate	8.5%	1.0%	3.5%	0.2%	0.3%
Wholesale and Retail Trade					
Employment	16.604	17.065	20.192	20.311	20.547
Annual Growth Rate	4.1%	1.4%	4.6%	0.6%	1.2%
Earnings	\$352.5	\$350.7	\$405.3	\$395.7	\$392.7
Annual Growth Rate	5.0%	-0.2%	3.7%	-2.4%	-0.7%
Output	\$446.1	\$441.0	\$530.6	\$510.6	\$538.1
Annual Growth Rate	4.7%	-0.6%	4.7%	-3.8%	5.4%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Transport./Comm./Util.					
Employment	108.4	108.2	115.3	119.6	124.7
Annual Growth Rate	-2.6%	-0.2%	6.5%	3.7%	4.3%
Earnings	\$3,394	\$3,427	\$3,646	\$3,747	\$3,930
Annual Growth Rate	-1.7%	1.0%	6.4%	2.8%	4.9%
Output	\$6,225	\$6,754	\$7,464	\$7,610	\$8,050
Annual Growth Rate	-3.7%	8.5%	10.5%	2.0%	5.8%
Wholesale and Retail Trade					
Employment	523.4	536.7	573.3	602.7	626.9
Annual Growth Rate	0.3%	2.6%	6.8%	5.1%	4.0%
Earnings	\$9,114	\$9,510	\$10,223	\$10,695	\$11,141
Annual Growth Rate	-0.8%	4.3%	7.5%	4.6%	4.2%
Output	\$13,044	\$14,085	\$15,844	\$16,847	\$18,647
Annual Growth Rate	3.7%	8.0%	12.5%	6.3%	10.7%
United States					
Transport./Comm./Util.					
Employment	5.082	4.952	5.156	5.233	5.247
Annual Growth Rate	-1.6%	-2.6%	4.1%	1.5%	0.3%
Earnings	\$180.7	\$178.5	\$184.5	\$188.0	\$188.9
Annual Growth Rate	0.4%	-1.2%	3.4%	1.9%	0.5%
Output	\$331.4	\$351.7	\$377.6	\$381.8	\$386.9
Annual Growth Rate	-1.7%	6.1%	7.4%	1.1%	1.3%
Wholesale and Retail Trade					
Employment	20.453	20.867	22.078	23.041	23.640
Annual Growth Rate	-0.5%	2.0%	5.8%	4.4%	2.6%
Earnings	\$387.8	\$397.9	\$424.0	\$440.8	\$454.2
Annual Growth Rate	-1.3%	2.6%	6.6%	4.0%	3.0%
Output	\$555.0	\$589.3	\$657.2	\$694.4	\$760.3
Annual Growth Rate	3.1%	6.2%	11.5%	5.7%	9.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Transport./Comm./Util.					
Employment	132.1	139.7	147.5	149.8	150.8
Annual Growth Rate	5.9%	5.8%	5.6%	1.6%	0.7%
Earnings	\$4,131	\$4,227	\$4,355	\$4,392	\$4,414
Annual Growth Rate	5.1%	2.3%	3.0%	0.8%	0.5%
Output	\$9,091	\$9,547	\$10,073	\$10,344	\$10,523
Annual Growth Rate	12.9%	5.0%	5.5%	2.7%	1.7%
Wholesale and Retail Trade					
Employment	660.8	688.1	711.3	721.7	714.7
Annual Growth Rate	5.4%	4.1%	3.4%	1.5%	-1.0%
Earnings	\$11,440	\$11,725	\$11,817	\$11,740	\$11,697
Annual Growth Rate	2.7%	2.5%	0.8%	-0.7%	-0.4%
Output	\$18,467	\$19,238	\$19,997	\$19,840	\$19,827
Annual Growth Rate	-1.0%	4.2%	3.9%	-0.8%	-0.1%
United States					
Transport./Comm./Util.					
Employment	5.362	5.513	5.625	5.793	5.762
Annual Growth Rate	2.2%	2.8%	2.0%	3.0%	-0.5%
Earnings	\$190.8	\$191.0	\$191.5	\$193.7	\$192.4
Annual Growth Rate	1.0%	0.1%	0.3%	1.1%	-0.7%
Output	\$419.9	\$431.5	\$443.0	\$456.1	\$458.6
Annual Growth Rate	8.5%	2.8%	2.7%	3.0%	0.6%
Wholesale and Retail Trade					
Employment	24.268	25.052	25.663	25.775	25.365
Annual Growth Rate	2.7%	3.2%	2.4%	0.4%	-1.6%
Earnings	\$460.1	\$475.6	\$480.5	\$474.0	\$463.3
Annual Growth Rate	1.3%	3.4%	1.0%	-1.3%	-2.3%
Output	\$742.7	\$780.4	\$813.1	\$801.1	\$785.4
Annual Growth Rate	-2.3%	5.1%	4.2%	-1.5%	-2.0%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1973	1975	1979	1980	1981
Finance/Insurance/Real Estate					
Employment	83.9	88.3	102.4	103.9	104.6
Annual Growth Rate	8.9%	2.6%	3.8%	1.4%	0.6%
Earnings	\$2,045	\$1,985	\$2,409	\$2,370	\$2,337
Annual Growth Rate	6.4%	-1.5%	5.0%	-1.6%	-1.4%
Output	\$9,407	\$10,081	\$11,548	\$11,763	\$11,620
Annual Growth Rate	9.5%	3.5%	3.5%	1.9%	-1.2%
Services					
Employment	293.6	294.5	363.6	375.5	391.2
Annual Growth Rate	6.4%	0.2%	5.4%	3.3%	4.2%
Earnings	\$6,968	\$6,884	\$8,557	\$8,747	\$9,000
Annual Growth Rate	6.1%	-0.6%	5.6%	2.2%	2.9%
Output	\$9,797	\$9,754	\$11,749	\$12,013	\$12,334
Annual Growth Rate	6.6%	-0.2%	4.8%	2.3%	2.7%
United States					
Finance/Insurance/Real Estate					
Employment	4,045	4,166	4,975	5,160	5,297
Annual Growth Rate	3.5%	1.5%	4.5%	3.7%	2.7%
Earnings	\$114.4	\$109.0	\$139.2	\$139.6	\$141.7
Annual Growth Rate	1.2%	-2.4%	6.6%	0.3%	1.5%
Output	\$526.3	\$553.3	\$667.4	\$692.8	\$704.7
Annual Growth Rate	4.1%	2.5%	4.8%	3.8%	1.7%
Services					
Employment	12,856	13,894	17,112	17,889	18,615
Annual Growth Rate	4.7%	4.0%	5.3%	4.5%	4.1%
Earnings	\$336.6	\$345.0	\$431.8	\$443.4	\$455.6
Annual Growth Rate	5.2%	1.2%	5.8%	2.7%	2.7%
Output	\$473.2	\$488.8	\$592.8	\$609.0	\$624.4
Annual Growth Rate	5.7%	1.6%	4.9%	2.7%	2.5%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1982	1983	1984	1985	1986
Finance/Insurance/Real Estate					
Employment	104.8	106.4	110.7	114.9	121.1
Annual Growth Rate	0.3%	1.5%	4.0%	3.8%	5.5%
Earnings	\$2,311	\$2,500	\$2,573	\$2,634	\$2,893
Annual Growth Rate	-1.1%	8.1%	3.0%	2.4%	9.8%
Output	\$11,701	\$11,786	\$12,501	\$12,742	\$12,762
Annual Growth Rate	0.7%	0.7%	6.1%	1.9%	0.2%
Services					
Employment	404.0	417.7	443.5	465.9	500.1
Annual Growth Rate	3.3%	3.4%	6.2%	5.0%	7.3%
Earnings	\$9,373	\$9,848	\$10,596	\$11,270	\$12,220
Annual Growth Rate	4.1%	5.1%	7.6%	6.4%	8.4%
Output	\$12,400	\$12,733	\$13,392	\$14,051	\$14,932
Annual Growth Rate	0.5%	2.7%	5.2%	4.9%	6.3%
United States					
Finance/Insurance/Real Estate					
Employment	5.340	5.466	5.684	5.948	6.272
Annual Growth Rate	0.8%	2.3%	4.0%	4.7%	5.4%
Earnings	\$139.9	\$154.4	\$156.9	\$160.5	\$176.0
Annual Growth Rate	-1.3%	10.3%	1.6%	2.3%	9.7%
Output	\$708.4	\$727.9	\$762.1	\$776.4	\$776.6
Annual Growth Rate	0.5%	2.8%	4.7%	1.9%	0.0%
Services					
Employment	19.021	19.662	20.745	21.927	22.957
Annual Growth Rate	2.2%	3.4%	5.5%	5.7%	4.7%
Earnings	\$475.6	\$502.4	\$544.2	\$579.1	\$615.2
Annual Growth Rate	4.4%	5.6%	8.3%	6.4%	6.2%
Output	\$629.2	\$649.5	\$687.8	\$722.0	\$751.7
Annual Growth Rate	0.8%	3.2%	5.9%	5.0%	4.1%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
 U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

Table C.6
Employment, Earnings, and Output by Industry within the Private Commercial Sector
for the TVA Power Service Area and the United States
Selected Years, 1973 to 1991

Power Service Area	1987	1988	1989	1990	1991
Finance/Insurance/Real Estate					
Employment	127.8	130.3	130.9	131.2	129.9
Annual Growth Rate	5.5%	2.0%	0.4%	0.2%	-0.9%
Earnings	\$3,176	\$3,170	\$3,036	\$3,086	\$3,010
Annual Growth Rate	9.8%	-0.2%	-4.2%	1.6%	-2.5%
Output	\$12,873	\$13,094	\$13,467	\$13,458	\$13,729
Annual Growth Rate	0.9%	1.7%	2.9%	-0.1%	2.0%
Services					
Employment	536.2	575.2	610.2	640.2	660.8
Annual Growth Rate	7.2%	7.3%	6.1%	4.9%	3.2%
Earnings	\$13,099	\$13,990	\$14,696	\$15,457	\$15,934
Annual Growth Rate	7.2%	6.8%	5.0%	5.2%	3.1%
Output	\$15,773	\$16,413	\$17,152	\$17,727	\$18,072
Annual Growth Rate	5.6%	4.1%	4.5%	3.3%	1.9%
United States					
Finance/Insurance/Real Estate					
Employment	6.533	6.629	6.669	6.709	6.647
Annual Growth Rate	4.2%	1.5%	0.6%	0.6%	-0.9%
Earnings	\$199.8	\$205.1	\$195.9	\$199.1	\$191.9
Annual Growth Rate	13.5%	2.7%	-4.5%	1.6%	-3.6%
Output	\$809.9	\$847.4	\$869.0	\$868.6	\$875.4
Annual Growth Rate	4.3%	4.6%	2.5%	-0.1%	0.8%
Services					
Employment	24.109	25.503	26.906	27.933	28.334
Annual Growth Rate	5.0%	5.8%	5.5%	3.8%	1.4%
Earnings	\$651.1	\$693.4	\$725.5	\$761.1	\$767.7
Annual Growth Rate	5.8%	6.5%	4.6%	4.9%	0.9%
Output	\$784.0	\$813.5	\$846.8	\$872.9	\$870.7
Annual Growth Rate	4.3%	3.8%	4.1%	3.1%	-0.2%

PSA data: Employment in thousands; income, earnings and product in millions of 1987 dollars.
U.S. data: Employment in thousands; income, earnings and product in billions of 1987 dollars.

TVA'S RESPONSE TO QUESTION 33d, e, f, g

WBN - TAC NOS. M88691 & M88692

TVA RIVER neighbors

TVA River

Neighbors is published periodically to provide information to people who use the lakes and rivers in the Tennessee Valley region.

If you would like to be added to our mailing list or have comments, suggestions, or news which may be of interest to other river system users, please write to *TVA River Neighbors*, Water Management, 400 West Summit Hill Drive, Knoxville, TN 37902-1499.

LAKE USERS SPEAK OUT ON SHORELINE MANAGEMENT

TVA held 13 public meetings in June and July to find out what property owners and other lake users think about shoreline protection and development. We anticipated a lot of public interest, and we weren't disappointed. People came out by the hundreds to voice their opinions.

Some participants said they wanted TVA to relax its controls on the use of private shoreline. But others spoke in favor of restrictions to preserve the natural beauty of the shoreline, to protect water quality and wildlife habitat, and to provide recreation opportunities for the general public. TVA heard comments like these again and again:

TVA should do more to prevent and pick up litter along the shoreline.

Property owners need help in controlling shoreline erosion.

TVA should push for stricter regulation of septic systems.

TVA's shoreline permitting process needs to be streamlined and standardized.

TVA should provide more information to property owners about permit requirements.

These and other public comments will be used by TVA in developing new goals and guidelines for managing the 11,000 miles of shoreline around TVA lakes. The next step is to evaluate the environmental impact of different shoreline management options. Then TVA will hold another round of public meetings to review the findings.

If you are concerned about the future use and management of the shoreline, there's still time to tell TVA what you think. You can call TVA at 1-800-TVA-LAND, or write to the TVA Shoreline Management Initiative, 17 Ridgeway Road, Norris, TN 37828. The deadline for comments is August 31.

WHAT CHANGES SHOULD BE MADE IN THE WAY TVA SHORELINES ARE MANAGED?

Here's what some of the people who attended the public meetings on TVA's shoreline management policy had to say.



**Dave Alverson,
Murphy, NC**

TVA should limit the size, number, and location of docks along the main channel so public waters are not monopolized by private homeowners. I want everyone to have a chance to use the lakes, especially me. I don't want to be in someone's front yard when I picnic, swim, or stay overnight on my boat.



**Liane Russell,
Oak Ridge, TN**

I would really like to see TVA expand its Small Wild Areas program. I'd also like to see TVA assist landowners with their expertise and know-how in stabilizing banks in a natural appearing manner, including the use of native plants.



**Jean Quinby,
Kingston, TN**

Lakefront property owners aren't going to abuse the shoreline. TVA should let them use their common sense in taking care of the public land adjoining their property. If a tree falls down, they should be able to take care of it without getting permission from TVA.



**Owen Hensley,
Turtletown, TN**

I want my grandchildren to be able to camp, fish, and enjoy the natural life like I've done so well for the last 45 years. I want to be sure that hard-working people like me, who don't have lots of money, have a say about how TVA shorelines are protected. I don't want Fontana and Hiwassee taken over by more people living on the lake.

More Boating Pressure

If it seems like there are a lot more boats on the lake these days, you're right! Last year alone, Tennessee registered 10,000 more boats—bringing the total number of registered boats to a whopping 265,000.

LAKE LEVELS ON TARGET

With the help of above normal spring rains, TVA was able to keep lakes at or above target levels again this summer—the fourth year in a row. These levels, shown below, were set to help keep the lakes high enough for recreation at least through August 1. They were adopted in 1991 as part of TVA's Lake Improvement Plan.

Heavy rains this spring also allowed TVA to store plenty of water to generate power, which will help keep all those air conditioners running through the rest of the summer and fall. This will lower tributary lake levels, but they are not expected to go below minimum summer target levels until after August 1.

This is good news for lake users. Tributary lakes should be higher through the end of the summer than before the 1991 plan because levels will be higher in August. This is when TVA normally begins drawing tributary lakes down more rapidly to meet power demands and

provide enough space to store the heavy rains that often fall on the Tennessee Valley during the winter and spring.

Some main river lakes already are in their annual drawdown cycle. But most will remain relatively steady through Labor Day, except for scheduled fluctuations for mosquito control.

BUYERS BEWARE!

If you're thinking about buying some property or building a home on the water, you need to do some homework.

First, find out if the property is floodprone. It's important to remember that all streams—regardless of their size—are capable of flooding. Heavy rainfall many miles away can turn a gentle, picturesque stream into a raging torrent, destroying everything in its path. Your home or homesite may be located hundreds or even thousands of feet from the nearest stream and still be prone to flooding. Even dams can't prevent all floods;

TVA LAKE LEVELS

Tributary Lakes	Minimum Summer Level (June 1-August 1)		Expected Level Labor Day	
	feet	meters	feet	meters
Blue Ridge	1682	513	1674	510
Chatuge	1923	586	1919	585
Cherokee	1060	323	1046	319
Douglas	990	302	974	297
Fontana	1693	516	1670	509
Hiwassee	1515	462	1508	460
Norris	1010	308	996	304
Nottely	1770	539	1763	537
South Holston	1721	525	1710	521
Watauga	1949	594	1940	591

Main River Lakes	Expected Level August 1		Expected Level Labor Day	
	feet	meters	feet	meters
Chickamauga	681.5	208	681	208
Fort Loudoun/Tellico	813	248	813	248
Guntersville	594	181	595	181
Kentucky	357.7	109	357	109
Nickajack	633	193	633	193
Pickwick	413	126	412	126
Watts Bar	741	226	740	226
Wheeler	556	169	554	169
Wilson	507.5	155	507.5	155

Elevations are shown in feet and in meters above mean sea level.



they can only help reduce flood stages.

To find out if a piece of property is floodprone, call city hall. Ask to talk to your city manager, planner, zoning administrator, building inspector, or other local building official. Also, check with insurance agents and lenders in the area. Lenders are required by law to inform you in writing if your property is located in a flood hazard area.

Second, if you're thinking about buying lakefront property, find out how the lake is operated. Most TVA lakes are lowered in late summer or early fall to provide flood control space to store winter and spring rains. Some lakes are lowered up to 50 feet—so unless your property is on the main river channel, you may be far from the water during part of the year. Call TVA at 615-632-6065 for more information.

Finally, a telephone call or visit to one of TVA's land management offices can help you find out whether shoreline development is restricted. If you already own lakefront property, you can save time and money by checking with TVA before making any alterations to the shoreline. No construction should be undertaken until you receive written approval from TVA.

TVA Land Management Offices

Alabama

Guntersville 386-3450
Muscle Shoals 386-3782
Wheeler Dam 386-3455

North Carolina

Murphy 744-5317

Tennessee

Chickamauga Dam 744-5325
Kingsport 239-0420
Lenoir City 632-2088
Melton Hill Dam 632-2088
Morristown 587-5600
Norris Dam 632-1559
Paris 642-2041

NEW STREAM GAGES PROTECT ENVIRONMENT

Years ago, TVA recruited hundreds of Valley residents to help forecast river flows during floods. At least once a day, they would check rain gages in their back yard and tell TVA how much it had rained. Then TVA installed mercury stream gages that could be checked automatically by computers.

Now new and better gages are available, and TVA is modernizing its rainfall information system once again.

TVA is putting in 34 new gages this summer that are better for the environment because they do not contain any mercury. Some sites are even solar powered. Plus, the new gages are easier to maintain, which will save money because they won't have to be checked as often.

The old gages are being shipped to the U.S. Geological Survey in Bay St. Louis, Mississippi, where the mercury will be removed and recycled according to environmental protection standards.

TVA PUBLISHES ANGLERS' GUIDE TO CHICKAMAUGA LAKE

TVA has published a new 35-page booklet for anglers on Chickamauga Lake with maps showing the location and extent of aquatic plants at the beginning of this summer. It also includes information on lake levels, mosquito control, TVA's River Action Teams, zebra mussels, and how lake users can help protect water quality. For a copy of the \$5 booklet, check at your local marina or bait and tackle store, or call TVA at 615-751-MAPS.

YOUNG ZEBRA MUSSELS FOUND NEAR WILSON DAM

A small number of adult zebra mussels have been found from one end of the Tennessee River to the other. But now TVA biologists have found young zebra mussels in the plankton near Wilson Dam and Colbert Fossil Plant, and an average of 10 adults per square meter near Johnsonville Fossil Plant. These discoveries confirm that zebra mussels will reproduce in the Tennessee River system. Current predictions are that zebra mussels will become abundant enough to block water intakes of industries, power plants, and

Kingsport Office Opens

Lake neighbors in the upper East Tennessee area are invited to come by and visit TVA's new land management office in Kingsport. Freddie Bennett, Tandy Hobbs, Bucky Edmondson, Jan Myes, and Konnie Lewis are there to help you if you'd like to build a dock, get a recreation map, or need other assistance. Their new phone number is 615-239-0420. Their address is Heritage Federal Bank Building, Suite 218, 4105 Fort Henry Drive, Kingsport, TN 37663.

Be Our Guest!

TVA has 35 campgrounds, 29 day-use areas, 62 boat ramps, 20 nature trails, and 12 stream-access sites. For information on these areas, call 615-632-1600 or write to TVA, Recreation Program, Norris, TN 37828.

Baby Boom at LBL

Six eaglets were successfully fledged this year at Land Between The Lakes. LBL is a member of the Kentucky-Tennessee-Illinois Eagle Management Team.

water-treatment plants and cause other commercial and environmental problems.

LAKE USERS TICKED OFF ABOUT TRASH

Litter is a serious problem on many TVA lakes, and lake users want something done about it.

That's the clear message coming out of the public meetings on how TVA manages the shoreline. But what to do isn't so clear.

TVA is actively involved in encouraging and supporting community cleanups. If your group is planning a cleanup event, call TVA at 615-632-8975. We can provide bags, gloves, and maps, and we may be able to help with publicity and organizing.

But cleanup is only part of the solution. Preventing litter is the real key.

TVA has increased the number of public safety officers patrolling TVA public lands. When they find trash illegally dumped on TVA land, they attempt to identify who is responsible. If the offender can be identified, he or she is issued a citation for criminal littering and given a specific time period to remove the trash.

If the area is cleaned up to TVA's satisfaction, the public safety officer advises the court of the violator's cooperation. The court still has the option to fine the violator and assess court costs.

In April, May, and June, TVA investigated about 39 cases of criminal littering on TVA properties. In addition, public safety officers issued 38 warnings and 14 citations, and arrested 7 people for criminal littering violations.

You can help TVA keep your lake clean by reporting abuses. Call TVA at 1-800-824-3861 if you see someone littering or dumping trash on the shoreline, or find a dumpsite. Be sure to get

a license number, if possible, and provide clear directions to the area so we can investigate.

TVA can't do a lot about litter alone. We need your help. If you have suggestions for dealing with this problem, please write to *TVA River Neighbors*, Water Management, 400 West Summit Hill Drive, Knoxville, TN 37902-1499. We will share your ideas in a future issue.



Trash left by campers and dumping of household waste are serious problems on TVA lakes.

PROTECTING YOUR SHORELINE

A lot of the property owners who came to the recent public meetings on TVA's shoreline management policy asked the same question: "How can I keep my shoreline from eroding?"

It helps to understand what causes shoreline and streambank erosion. Wave action from boats or wind, fragile soils, clearing and thinning of vegetation, mowing, burning, herbicide use, grazing animals, land use changes—all these can contribute to the problem. Pinpointing the cause will help you choose the best protection technique.

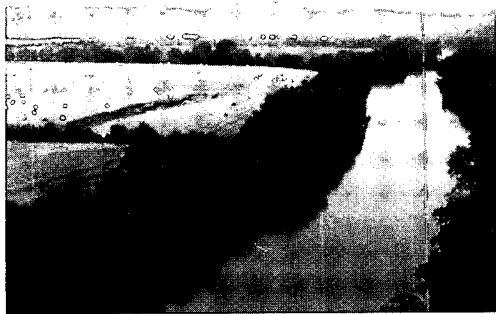
There is no simple solution to protecting the shoreline from erosion. One common approach is to put riprap—large crushed rocks—along the water's edge, or to build a retaining wall. But other methods may be more effective and better for the environment.

In the long run, the best bet is to plant trees and shrubs on the shoreline, or protect existing vegetation. Trees and shrubs offer excellent natural erosion control. They are easy to maintain and nice to look at. Plus, vegetation can repair itself naturally from some damages, and it offers many other benefits such as wildlife habitat.

Good trees to plant are black willow, cottonwood, American sycamore, baldcypress, river birch, green ash, catalpa, and red maple. If you would prefer a low growing shrub, consider stream alder, buttonbush, or silky dogwood. Cattails, reeds, and other grasses can also help control erosion.

TVA is demonstrating ways to control erosion on Melton Hill Lake in East Tennessee. We also have started to collect information on where shoreline erosion is occurring.

For more information on protecting your shoreline, call TVA at 1-800-TVA-LAND.



Vegetation is nature's way of preventing shoreline and streambank erosion.

TOLL-FREE LAKE INFORMATION LINE LOGS ONE MILLION CALLS

John Keel, a control coordinator for Consolidated Industries in Madison, Alabama, was surprised to hear a "real voice" when he called TVA's automated Lake Information Line on Monday morning, June 20. TVA's Marka Smith answered the line to give Keel the news that he was the one millionth caller.

"There's no telling how many of those one million calls are mine," says Keel, who calls often to plan fishing trips between Guntersville Dam and Decatur. He also has used the line to check water levels during flood conditions below Guntersville Dam.

To celebrate the popularity of the toll-free line, which was installed in late 1991, TVA treated Mr. Keel to dinner and gave him a TVA jacket and baseball cap.



John Keel, Lake Information Line's one millionth caller.

Keep Those Calls Coming!

TVA's Lake Information Line gives observed lake elevations on 37 lakes, predicted elevations on 42 lakes, and waterflow information on several unregulated streams.

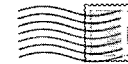
From Chattanooga, call 751-2264; from Muscle Shoals, call 386-2264; and from Knoxville, call 632-2264. From all other locations, call 1-800-238-2264. If you are hearing impaired, call 1-800-438-2264.

PLEASE HELP!

- Getting more than one copy of *TVA River Neighbors*?
- Want to stop receiving *TVA River Neighbors*?

If your answer is yes, please let us know so we can remove your name from our mailing list. Just cut out your address on the back page of this issue, tape it to a post card or sheet of paper, and mail it to :

TVA River Neighbors
Water Management
400 West Summit Hill Drive
Knoxville, TN 37902-1499



**Want To Know
More About How
Your Lake Is
Operated
and Why?**

Call TVA at 615-632-6065. One of our river forecasters will be glad to answer your questions. They also are available to make presentations to groups interested in TVA lake operations.



Lake Operations UPDATE

Mosquito Fluctuations To Continue Through September

Beginning in June each year, TVA fluctuates the levels on most lakes on the main Tennessee River to control mosquitoes. Levels rise and fall about 1 foot each week through September. This leaves mosquito eggs and larvae stranded on the dry shoreline or exposes them to minnows and other natural predators in open water.

Apalachia Lake Drawdown

By August 1, TVA will lower Apalachia Lake to elevation 1256 so workers can paint the spillway gates and replace the seals on the gate edges. While the work is taking place, the lake level will fluctuate between 1254 and 1256, about 20 feet below normal. Except for the short period of extended generation needed to lower the lake, there will be very little change in the pattern of water releases from the Apalachia powerhouse. The work should be completed by late November.

Lake Level Test Continues on Kentucky, Barkley Lakes

As part of a test to improve recreation, water levels on Kentucky and Barkley Lakes will be held above elevation 357 until September 10, then lowered to 355.5 by October 5 and held at that level until November 15. The two lakes will then be lowered to 354 by December 1. TVA, the U.S. Army Corps of Engineers, and wildlife resources agencies in Tennessee and Kentucky will monitor the effects on the environment and recreation. The test began last summer but was interrupted to help reduce flooding on the Mississippi River.

TVA RIVER
neighbors

Water Management
400 West Summit Hill Drive
Knoxville, TN 37902-1499

Information
for Tennessee
River System
Users

TVA RIVER neighbors

TVA
Resource Group
January 1994

TVA River Neighbors is published periodically to provide information to people who use the lakes and rivers in the Tennessee Valley region.

If you would like to be added to our mailing list or have comments, suggestions, or news which may be of interest to other river system users, please write to **TVA River Neighbors**, Water Management, 400 West Summit Hill Drive, Knoxville, TN 37902-1499.

SWAN HARBOUR: PROOF IT CAN BE DONE

Can a developer put in 200 homes, a full-service marina, docks, a restaurant, a clubhouse, picnic gazebos, tennis courts, and other facilities without destroying the shoreline environment?

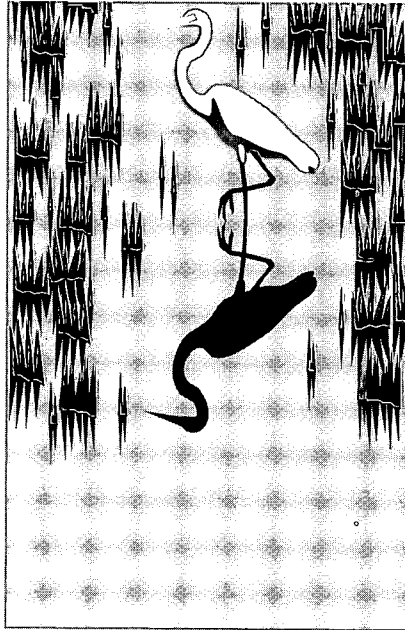
Yes! A project on Watts Bar Lake is proving that lake users don't always have to choose between the goals of development and environmental protection.

Working together, Sandpiper Properties and TVA have developed a shoreline management plan that will minimize the impacts of constructing a 126-acre waterfront community called Swan Harbour. Swan Harbour is on the Emory River embayment, an area rich in plant and animal life that shows almost no sign of human disturbance.

There were no guidelines to go by, so it took a lot of time and hard work to hammer out an agreement. But Swan Harbour's Gina Alexander feels strongly that it was worth the effort. According to Alexander, "The concept of creating a distinctive community in harmony with nature is much more than a slogan; it's the foundation of the Swan Harbour plan."

The plan calls for implementation of shoreline protection standards and requires the developer and TVA to address environmental issues which may arise during the six phases of project construction. The goal is to guard against shoreline erosion and protect wetlands and other wildlife habitat, while giving property owners the visual and physical access to the water that they desire.

"This is how residential development adjoining TVA land and the lakes should occur," said TVA Vice President Charles Buffington. "TVA intends to use this development as a model and demonstration of sensitive, progressive shoreline protection."



Better Water Quality Below Tims Ford Dam

Last summer TVA installed an aeration system at Tims Ford that will benefit aquatic life significantly. Two large rotary blowers and an oxygen diffuser system add oxygen to the water released from the large turbine, and three small air compressors and an oxygen injection system aerate the releases from the small hydropower unit. This unit also is used to provide a minimum flow in the Elk River when the large turbine is not operating. These improvements should keep oxygen levels above 6 parts per million, the state standard.

The \$2 million project is part of an overall \$50 million, 5-year commitment to improve water quality below 16 TVA dams.

New Land Management Offices

Be sure to save the tear-out page in this issue. It gives you the information you need to contact TVA's new land management teams.



This publication
was printed on
recycled paper with
soy-based inks.



New Booklet Available

A new guide to aquatic life in the Tennessee Valley will be available from TVA in February. It provides pictures and information about the most common plants, fish, and other animals living in our rivers and lakes. To obtain a free copy, write to TVA's Water Management Library, 1101 Market Street, Chattanooga, Tennessee, 37402-2801, or call 615-751-7338.

Interested in Water Quality?

Write or call TVA's Water Management Library for a free catalog of water quality education materials available from TVA and other organizations. The address and phone number are listed above.

Chattanooga to Host Water Quality Conference in April

Plan now to participate in Clean Water Expo '94. This exciting event will be held on April 25-30, 1994, to highlight the importance of clean water and to help people become better stewards of this precious resource.

The Expo will be centered in Chattanooga, Tennessee, with activities in the surrounding area and throughout the Tennessee Valley. The program includes a water sampling project and riverboat trips for students, educational exhibits, music and entertainment, tours of water quality improvement projects, and a clean water conference.

LAKE OPERATIONS UPDATE**Modifications at Blue Ridge**

TVA lowered Blue Ridge Lake about 40 feet more than usual last fall to inspect the tunnel that carries water through the dam and do some maintenance work that could not be done safely with the lake at normal levels. This work was completed on time and the lake already has begun to fill to normal summer levels. More work, including the installation of a small generating unit to make sure there is always some water flowing through the dam, is continuing but will not interfere with filling the lake by summer.

Progress at Hiwassee

Hiwassee Lake was lowered during the fall to allow TVA to cut slots in the dam to make it safer and to modify the spillway gates. While the water level was low, public boat ramps were constructed at Hanging Dog and Micken Branch. Work on the dam is continuing, but will not interfere with filling the lake to normal summer levels beginning in late January.

Melton Hill Fluctuations

Twice per month, from October through March, TVA lowers Melton Hill Lake about three feet below normal levels to help control Eurasian watermilfoil. When fluctuations are scheduled, TVA drops the water level gradually from Monday through Wednesday and then holds it at the lowest level on Thursday and Friday. Low level periods are planned for January 20-21, February 3-4, February 17-18, March 3-4, and March 17-18, but this schedule could change depending on flood control operations on the main Tennessee River. For current schedule information, call TVA at 615-632-6065.

TVA LAKE LANDS—PLANNING FOR THE FUTURE

TVA is responsible for managing about 300,000 acres of public lake land for the benefit of all lake users. But lake users have different ideas about how this land should be used.

Some want land set aside for industry to create jobs. Others want to promote tourism by putting in a new resort or marina. Still others want to preserve the beauty of the shoreline by restricting further development on the lake.

To resolve conflicts like these, TVA relies on a planning process that emphasizes public involvement. The process starts with public workshops to identify the needs, desires, and concerns of the people who use the lake. Workshop participants are asked questions like: "What do you value about the lake? How can TVA do a better job of managing the public land in its care? How would you like the shoreline to be used in the future?"

Based on public comments and information about the lake's natural resources, socioeconomic conditions, and the use of neighboring private land, TVA develops objectives for managing the lake and deciding how TVA public lands should be used. These objectives are written down in a draft plan, and more meetings are held to receive comments from the public. Then, the



Public involvement is at the heart of TVA's lake lands planning process.

plan is revised as needed and sent to the TVA Board of Directors for approval.

So far, land management plans have been completed for six lakes—Pickwick, Guntersville, Kentucky, Watts Bar, Nickajack, and Chickamauga. Public meetings to review the draft plan for Wheeler Lake were held in December. The planning process for Tellico Lake will begin in the spring.

If you would like more information about planning for TVA's lake lands or copies of existing plans, please call TVA at 615-632-1549.

"GOOD GRIEF! WHY DO THEY HAVE TO DRAW THE WATER DOWN SO FAR?"

It's an old story. Up in the mountains the winter and spring rains fall, swelling the streams that feed the main river. The river swells too, overflowing its banks and flooding the farms, towns, and cities downstream. Crops are ruined, homes are destroyed, and lives are lost. In the Tennessee Valley, it happened often—too often.

"We will tame the river," said Congress. "We'll engineer those floods out of existence." And they created TVA to do just that.

Now there are no longer great floods in the Valley. Instead there's a harnessed river, providing year-round navigation and making power for the Valley's people. And they lived happily ever after . . .

...Guess again! The nice little story above doesn't quite match reality. It's true that the big floods have been almost eliminated, but the owners of lakeside property are not always happy. It's a little hard to smile when your part of the lake goes dry because TVA drew down the water level for flood control. It's not easy to remember the original reason for the dams when you want to use your boat and all you have is mud flats.

There's no big mystery about why the water level on your lake is where it is right now. It's at that level because your particular lake needs a certain amount of room to hold the winter and spring rains that fall in the area that feeds it.

It's all part of a carefully worked-out plan. If the water isn't lowered enough, or if it isn't lowered soon enough, TVA might have to spill a lot of water, very quickly, which is usually bad news for someone downstream. The main idea of flood control is to weigh the nuisance of low water upstream, against the chance of a deadly flood downstream.

So whatever your lake level is, remember that it's that way to protect your neighbors downstream from disaster. Such thoughts won't float your boat, but it might take some of the sting out of the inconvenience.

TVA Lake Levels

Tributary Lake Levels

Lake	Actual		Expected	
	January 1 Level		March 15 Level	
	Feet	Meters	Feet	Meters
Blue Ridge	1634	498	1678	511
Chatuge	1913	583	1916	584
Cherokee	1033	315	1042	318
Douglas	943	287	958	292
Fontana	1640	500	1644	501
Hiwassee	1462	446	1482	452
Norris	988	301	1000	305
Nottely	1749	533	1755	535
South Holston	1703	519	1713	522
Watauga	1940	591	1952	595

Main River Lake Levels

Lake	Actual		Expected	
	January 1 Level		March 15 Level	
	Feet	Meters	Feet	Meters
Chickamauga	677	206	676	206
Ft. Loudoun/Tellico	808	246	808	246
Guntersville	594	181	593	181
Kentucky	355	108	354	108
Nickajack	633	193	633	193
Pickwick	410	125	409	125
Watts Bar	736	224	736	224
Wheeler	552	168	551	168
Wilson	506	154	505	154

Elevations are shown in feet and in meters above mean sea level.

TVA AND FARMERS MAKE CHANGES TO PROTECT THE ENVIRONMENT

TVA is trying out a new program that will give farmers who rent TVA land a chance to help improve water quality, wildlife habitat, and soil fertility.

Instead of paying rent to use TVA public land, about 25 farmers in the eastern Valley are building fences to keep livestock out of the water and allowing wildlife travel lanes to become established across fields. Another 55 farmers are paying part of their rent by making specified improvements, including switching from fescue hay to crops that enhance the soil and provide food for wildlife, applying lime to improve soil fertility, and leaving crops in the field to feed wildlife.

Participating farmers bid for a limited number of credit license agreements. So far, about 1,700 acres of TVA agricultural land have been licensed through this process.

The results look promising. By helping farmers afford improvements, this new approach can help protect the environment, allow continued agricultural use of public lake land, and add to the enjoyment of lake users.

TVA plans to expand the program to other areas in the future. For more information call 615-632-1613.

Public Meeting News



TVA has held a lot of public meetings recently. Here's a quick rundown and some information on what happens next.

Chickamauga Lake. Public meetings were held in Decatur and Chattanooga on December 5 and 6 to get input on how TVA should manage aquatic plants in Chickamauga Lake. About 85 people attended. Public comments are being used to develop a plant management plan which will be available in draft form in March.

Blue Ridge Lake. TVA hosted an open house on December 11 at the Fannin Middle School for Blue Ridge Lake users. The focus was on future management of the 11 miles of shoreline that are being returned to TVA by the Forest Service. Water quality issues and reservoir operations also were discussed. About 100 people attended.

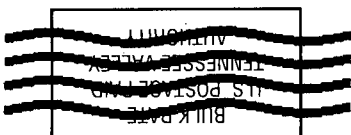
Land Between The Lakes (LBL). TVA held a meeting at Kenlake State Park on December 14 to hear public comments on a draft environmental study on different ways to manage natural resources at LBL. These comments are being used to revise the study, which will be finished next spring.

Wheeler Lake. TVA listened to public comments on a draft land use plan for Wheeler Lake at meetings in Athens, Huntsville, and Decatur, Alabama, on November 30-December 2. A total of about 125 people participated. TVA is preparing a summary report to respond to the issues identified by the public.

Ocoee Olympics. Workshops were held in Ducktown and Cleveland, Tennessee, on January 6 and 8 to provide information to the public on a recent environmental study which showed that hosting the 1996 Olympic whitewater competition would have minimal impact on the Ocoee River. The Forest Service, State of Tennessee, and TVA will make a final decision about project development after reviewing public comments.

Bat Creek. Tellico Lake users had a chance to comment on the proposed residential development of the Bat Creek peninsula at a public meeting on January 18. TVA will use the comments in preparing a final environmental assessment and making a decision on the proposal.

Public meetings will be held in the spring to begin developing a plan for managing the TVA public land around Tellico Lake. Call TVA at 615-632-1549 for details.



Water Management
400 West Summit Hill Drive
Knoxville, TN 37902-1499

neighbors
TVA RIVER

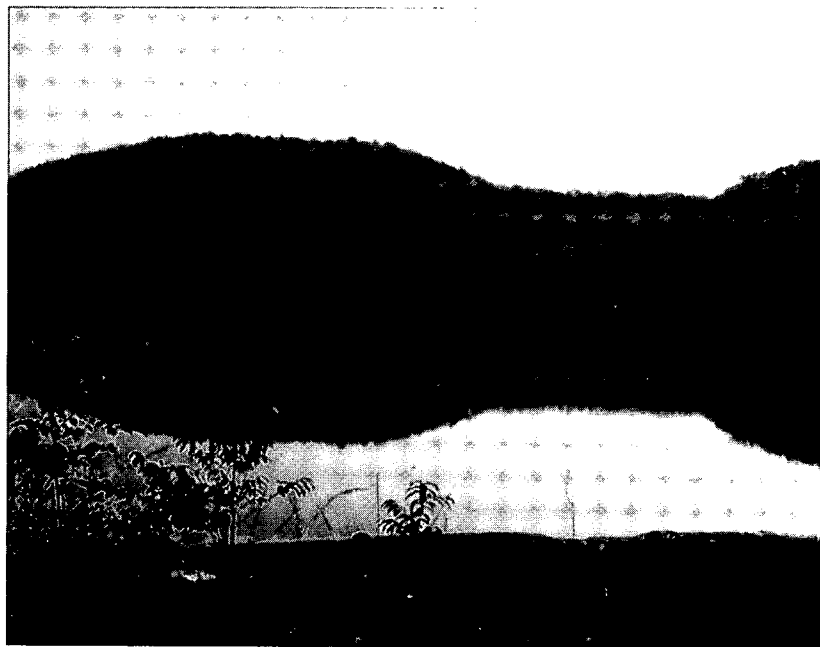
TVA Announces New Land Management Teams

To provide better service to river neighbors and to take better care of TVA's public lands, TVA has established 11 new watershed-based land management teams. These teams will be located across the Tennessee Valley near the lakes which they serve. Team leaders are listed on the back of this page, along with their current phone numbers and a map showing where the new offices will be established.

Together, these teams are responsible for managing about 300,000 acres of public lake land and natural and cultural resources located along 11,000 miles of lake shoreline. An important part of their job is to actively involve lake users in developing and implementing land and resource management plans. This will require close cooperation with neighboring property owners, lake users, marina operators, and other local groups.

Land management teams also:

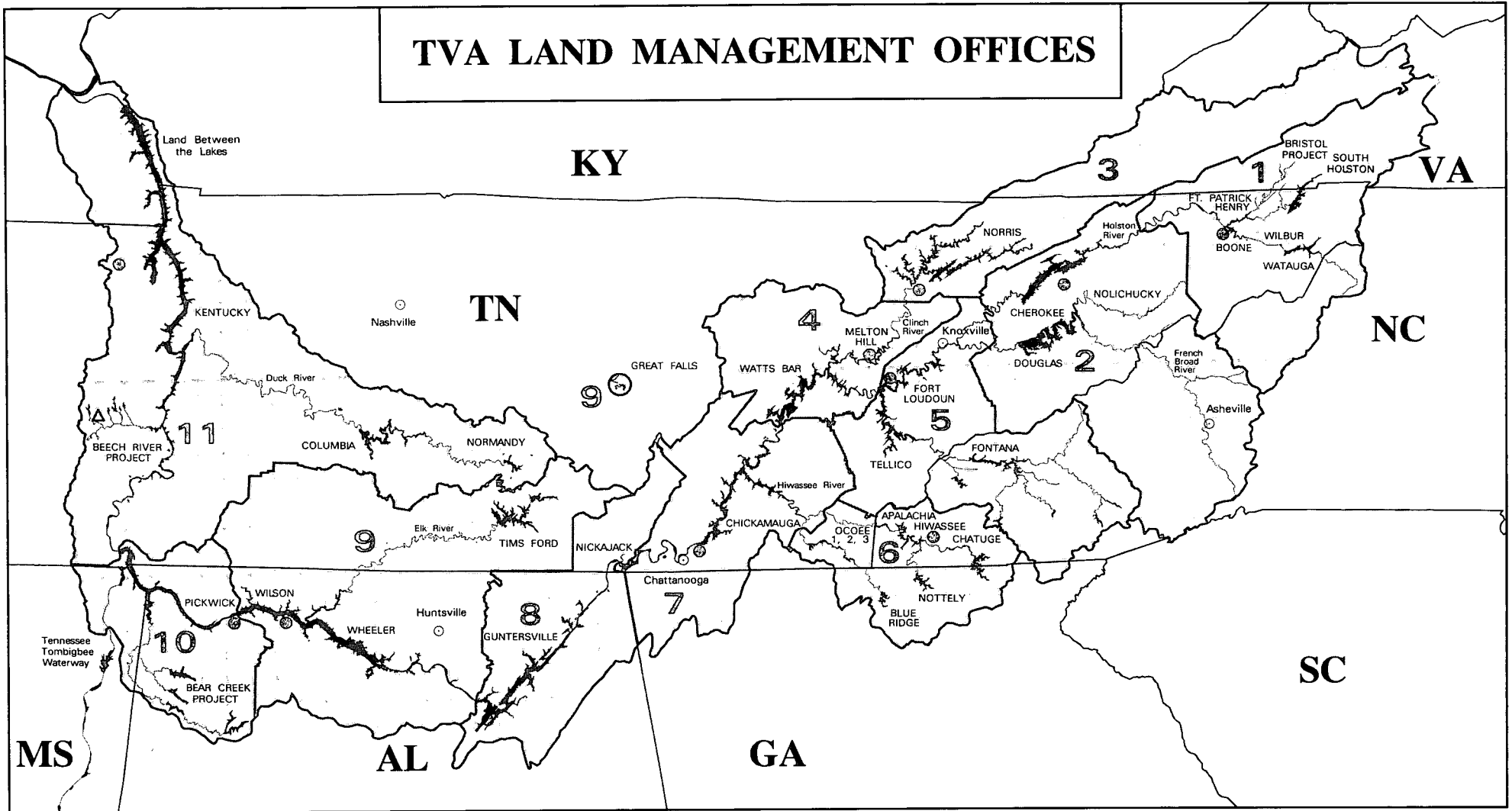
- Issue permits for boat docks, boat houses, and other private water-use facilities.
- Review requests for the sale, licensing, leasing, or other uses of TVA public lands.
- Explain TVA landrights and maintain boundary markers that identify TVA public lands.
- Inspect shorelines and help with shoreline cleanups.
- Identify and resolve encroachments on TVA public lands.
- Make presentations to local groups to promote better land stewardship.
- Manage cultural resources, trees, and other plants along the shoreline.



The new land management teams will work closely with other TVA teams being formed to improve water quality and protect the river's health. This will allow TVA to take a comprehensive, ecosystem approach in managing the public lands and lakes in its care.

Map on back

TVA LAND MANAGEMENT OFFICES



Legend:

- | | | | |
|--|--|---|--|
| <p>1. BOONE DAM VICINITY
Freddie C. Bennett (615) 587-5600
Boone, Bristol Project, Fort Patrick Henry, South Holston, Watauga, Wilbur</p> <p>2. MORRISTOWN, TENNESSEE
Susan B. Fuhr (615) 587-5600
Cherokee, Douglas, Nolichucky</p> <p>3. NORRIS DAM
William S. Ambrose (615) 632-1559
Norris</p> <p>4. MELTON HILL DAM
Robert G. Farrell (615) 632-2088
Melton Hill, Watts Bar</p> | <p>5. LENOIR CITY, TENNESSEE
Donald C. Becker (615) 632-2088
Fontana, Fort Loudoun, Tellico</p> <p>6. MURPHY, NORTH CAROLINA
Mark E. Danby (615) 744-5317
Apalachia, Blue Ridge, Chatuge, Hiwassee, Nottely, Ocoee 1, 2, and 3</p> <p>7. CHICKAMAUGA DAM VICINITY
Lee J. Carter (615) 744-5308
Chickamauga, Nickajack</p> <p>8. GUNTERSVILLE, ALABAMA
Timothy C. Gilbert (205) 386-3450
Guntersville</p> | <p>9. WHEELER DAM
Terry E. Howard (205) 386-3455
Great Falls, Tims Ford, Wheeler, Wilson</p> <p>10. MUSCLE SHOALS, ALABAMA
David E. Schmidt (205) 386-3782
Bear Creek Project, Pickwick</p> <p>11. PARIS, TENNESSEE
William G. McKibben (901) 642-2041
Beech River Project, Columbia, Kentucky, Normandy</p> | <p>— Land Management Office Boundary</p> <p>⊙ Land Management Office</p> <p>△ Satellite Office (Lexington, TN)</p> |
|--|--|---|--|

