

SECTION FIVE ECONOMIC DEVELOPMENT

INTRODUCTION

This section provides an inventory and assessment of the factors that contribute to Villa Rica's economic health and potential. This portrait of the City's economic state is the foundation for assessing the performance of wages and job skills, employment and industry patterns, and programs and efforts designed to improve the economy.

The assessment is used to identify trends, conflicts, and opportunities. When combined with information from other elements of the Comprehensive Plan, it provides the basis for setting policies about future economic development and making decisions that will enhance the business climate and quality of life for residents.

The majority of employment and economic data collected by State and federal agencies is compiled at the county level, although we have used City data when available.

ECONOMIC BASE

A city's economic base refers the industrial sectors that are significant to the local economy. The following inventory includes the types of industry present, their earning power and the wages paid. Comparable data for Douglas County and Georgia are included to determine the competitive status of County. Local governments and businesses can use this information to recruit compatible industries and those that would utilize skills of residents that are currently commuting out of the community for employment.

The city of Villa Rica's base is heavily influenced by the following three industries, Services, Manufacturing and Retail Trade. While the manufacturing industry has been on the decline in the past decade, the service and retail industries are on the rise. This is largely due to edge city characteristics of Villa Rica that has been attracting big box businesses. The Super Center Wal-Mart and the Publix Shopping Center has led the way in creating many jobs in the retail sector. Where as the growing population of Villa Rica due to sprawl development influenced by the Atlanta area have increased the need for the Service industry within the City's population.

The Manufacturing Industry still statistically serves as the largest industry in Villa Rica. Yet, over the past decades the numbers employed in Manufacturing have been declining.

EMPLOYMENT BY SECTOR

- Year 2000 Census showed the highest numbers of Carroll County's employees in the three sectors of Manufacturing, Services and Retail Trade, with that trend projected to continue through 2026.
- The city of Villa Rica itself shows that manufacturing is still its largest employer. Yet, there is an economic trend that shows there are and will be a steady decline in the total number of persons employed in manufacturing. The U.S. Census has projected that the percent of the population employed by the manufacturing sector will rapidly decline.
- The Retail sector is expanding within the Villa Rica city limits, and this trend is expected to continue. **Exhibit 36** shows a substantial increase in Retail Trade employment in the City, Carroll County, and Douglas County.

EARNINGS BY SECTOR

- There is no specific data for earnings by sector for Villa Rica. Therefore, the data from both Carroll and Douglas County must be observed to gain an understanding for the economic situation of Villa Rica.
- The 2000 earnings data reflect that the sectors of Manufacturing, Services and State and Local Government continue to top the Carroll County economic outlook, and are projected to remain in that order through 2025.
- The 2000 data reflects that, although the Manufacturing sector records the highest percent of earnings, that sector is in a downward trend, mirroring the State's downward trend in this area. The Services sector shows the opposite, trending upward, also patterning after the State.
- A significant difference exists in terms of which sectors contribute the largest earnings within the two counties of Carroll and Douglas. **Exhibit 38** shows that Carroll County receives the majority of its earnings from the Manufacturing sector, with projected earnings of \$359,300,000 in 2005. Douglas County receives most of its earnings from the Service sector, with projected earnings of \$309,500,000 in 2005.
- Villa Rica's economy would more likely reflect the Carroll County figure in respect to where the majority of its earnings are derived. Villa Rica's economy is still heavily reliant upon manufacturing, as can be derived from U.S. Census data that show 32% of the population employed in that sector. However, it is also apparent that earnings and employment in the construction sector will steadily increase over the next twenty years, as a result of the city's projected growth.

- This city's population expansion will be one of the variables that allows the Retail and Service sectors to continue to grow and generate greater earnings in the city of Villa Rica in the next twenty years. This will result in a need for more public administration in the city. Based on U.S. Census projections, the number of those employed in Villa Rica's public administration will have almost doubled from the years 2000 to 2025, going from 64 persons employed to 118 (**Exhibit 36a**).

WEEKLY WAGES PAID

- There are no figures available for Villa Rica regarding their average weekly wages and income earned. For that reason, one must review the information of Carroll and Douglas County and also the State, in order to gain a correct perspective on the average weekly wages and income earned with in the city of Villa Rica.
- Carroll County's average weekly wages in 1999 were 28% lower than those of the State.
- When reviewing the data for Carroll and Douglas County one can observe that these counties' average weekly wages are still lagging behind the State of Georgia averages. The data for 1999 shows that even though Georgia's average weekly wage was \$629 for all industries, Carroll County's was \$492 and Douglas County's was \$486.
- In 1999, the Transportation, Communications and Utilities sectors generated the highest weekly wages in Carroll County at \$625 (however this sector was only 3.2% of all industries); while the Manufacturing sector generated the second highest weekly wage, with \$608 in 1999.

As shown in **Exhibits 40** and **40(b)**, the Carroll County area had a notable increase in average weekly wages in 2001. Average weekly manufacturing wages went from \$608 in 1999 to \$682 in 2001.

MAJOR COMMUNITY LEVEL ECONOMIC ACTIVITIES

Villa Rica has experienced significant economic development over the past ten years. The city's larger industries have been expanding, while the Retail and Service sectors have also showed significant growth. At the same time, employment in the Wholesale sector decreased in 2001, with a net loss of 239 jobs, despite the opening of two distribution facilities in Villa Rica -- King Provisions and Sugar Foods.

The Carroll County Development Agency has worked to expand the Villa Rica Industrial Park with additional land purchases. County development officials are of the opinion high quality industrial sites must be available in order to attract more industry to Villa Rica.

A Villa Rica manufacturer, PrintPack, plans to have added 150-200 workers to the 200 it currently employs by the end of 2005. According to research done by the University of West Georgia, various tax incentives were provided to this family-owned packaging materials manufacturer to support this job expansion.

Health services employment in the city has benefited greatly from the expansion of Tanner Medical Center in Carrollton with the opening of Tanner's new \$17 million facility and in Villa Rica, including a new 40-bed hospital.

Mirror Lake Community is one of the most notable and significant developments in Villa Rica. Additional developments similar to Mirror Lake have contributed increasing economic opportunities in the Construction, Retail and Services sectors. For example, the City of Villa Rica permitted more than 440 single-family units in 2002, almost 19% more than in the first eight months of 2001.

Source: Research conducted by the Department of Economics at the University of West Georgia.

SPECIAL OR UNIQUE ECONOMIC ACTIVITIES

Currently, the county's largest residential development is Mirror Lake. Although Mirror Lake is located mainly in Douglas County, the City of Villa Rica annexed the land containing this development. The city has issued the building permits for new homes here that begin at \$130,000 and range in price up to \$1 million.

Mirror Lake is projected to contain over 2,000 homes and about 450 apartment units when fully developed. The completion of the Liberty Road Bridge over Highway 78 and the opening of a second 18-hole championship golf course contributed to an increase in construction activity in this planned community in 2002.

A new Publix supermarket in the Mirror Lake development has created more jobs and should attract commuters/customers from the smaller surrounding areas of the county.

Source: Research conducted by the Department of Economics at the University of West Georgia.

LABOR FORCE

Villa Rica's labor force is engaged in a variety of occupations. In 2000 the two sectors with the largest percentages of employment were (1) the Machine Operators, Assemblers and Inspectors, with 20.56% of total employment, and (2) the Clerical and Administrative support sectors, with 17.14% of total employment. These percentages showed a notable increase in the Clerical and Administrative sector, which was 13.55% in 1999. While the percentage for Machine Operators only marginally declined, the percentage of employees in the Precision and Production sector had a decline in employment of approximately 8 percent between 1999 and 2000.

EMPLOYMENT STATUS

The local labor force consists of those residents 16 years and older that participate through working or actively seeking work. This Census data includes residents of Villa Rica and those located outside the city. According to the 2000 Census, 1906 persons comprised the total labor force in Villa Rica, out of a population of 3021. This figure of 1906 was about 1,000 fewer than the labor force reported in 1990.

This decline might be attributed to the decline in the percentage of persons employed in the Precision Production, Craft and Repair sector (**Exhibit 45**).

None of the Villa Rica labor force was employed by the Armed Forces in 2000. All of the 1906 persons that were employed held a civilian job. However, this figure may be changing due to the introduction of ROTC programs within the city and county. Yet, the number of persons employed by the Armed Forces should still not increase to over 2%.

The percentage of females in the labor force has not had any significant changes, with approximately only a 2% increase between 1990 and 2000. In 2000 approximately 45% of the labor force was composed of women, whereas men made up 54% of the labor force. In comparison to Villa Rica, State and national figures were close in terms of the male labor force being slightly higher than the female labor force.

UNEMPLOYMENT RATES

While less than the national average unemployment rate, the 2003 Carroll County average unemployment rate was still relatively high, when compared with surrounding counties and the State.

LABOR FORCE BY PLACE OF WORK

In 2000 47% of Villa Rica's labor force worked inside their county of residence. This was only a 2% increase from 45% in 1990. (**Exhibit 46**)

LOCAL ECONOMIC DEVELOPMENT RESOURCES

- Villa Rica Downtown Development Authority
- Villa Rica Board of Tourism
- Villa Rica Merchants' Association
- Carroll Tomorrow
- West Georgia Nano Business Alliance
- The Center for New Business Ventures at the University of West Georgia
- Georgia Power Company
- Georgia Tech Regional Office

- Carroll County Chamber of Commerce
- Chattahoochee Flint Regional Development Center
- Georgia Department of Labor, Carrollton Field Office
- The Georgia Planning Association
- Douglas Chamber of Commerce
- Douglas County Development Authority

ECONOMIC DEVELOPMENT PROGRAMS

- The Burson Center Small Business Incubator
- Carroll County Community Capacity Assessment
- Target Business Clusters profile
- Villa Rica Downtown Master Plan (proposed)
- NanoTech Tomorrow 2004 symposium
- Small Business Development Center
- Georgia Department of Labor
- Carroll County Chamber of Commerce
- Carroll Tomorrow

SPECIAL ECONOMIC ACTIVITIES

- Thomas Murphy Center for Public Service, University of West Georgia, symposium on environmental health issues
- West Georgia Nano Technology Business Alliance
- Burson Center, center to support entrepreneurship and small business development
- The Farmland Preservation and Sustainable Agriculture Expo on creating sustainable agribusiness opportunities
- University of West Georgia Small Business Development Center

EDUCATION AND TRAINING OPPORTUNITIES

- University of West Georgia
- West Central Technical College
- Carroll and Douglas County school systems

ASSESSMENT:

Since Villa Rica still has most of its employment based in the Manufacturing sector, there is a need to continue diversifying the City's economic profile. This is further emphasized by the fact many sub-sectors within Manufacturing have steadily declining employment. Also, based on the data in the following exhibits, there is a great under-representation of higher paying, higher level jobs within the city, for example, jobs in the Trade and Communication sectors.

The city needs to stress the importance of education and technical skills. This can be accomplished by the continuing development of more adult education and

continuing education classes. Assistance for such classes can be obtained through the Continuing Education Department at Richards College of Business at the University of West Georgia. Also, the City should attempt to attract more jobs that require higher skill levels to keep the high number of commuters from traveling outside the city in search of better wages.

The quality of the workforce is still hindered by the low educational attainment of the city population. The overall percentage of persons completing education beyond high school is low and must be raised in order to create a knowledge based economic structure within the city. This will also assist the diversification of Villa Rica's Industry.

One improvement that should be sought is to continue developing and creating extensive broadband communications within the city. Thus, this would encourage and strengthen prospective and current business interest in the area. It would meet the modern demands of residential needs.

The county benefits from its location to Metropolitan Atlanta and to its access to Interstate 20. These two factors are very beneficial to the economic development of the City. The infrastructure of the town does create a positive business climate while also attracting residential clients due to proximity to Metro-Area.

Yet, its proximity to Metro-Atlanta has made Villa Rica a bedroom community. The historic low levels of unemployment and lack of skilled jobs preserve the bedroom characteristic. The Villa Rica Downtown Master Plan seeks to address these issues by developing programs, policies and strategies to facilitate economic growth by revitalizing the downtown area and promoting businesses within the city.

The development of small business should be focused on increasing the Service sector as well. This is recommended because such changes would not greatly impact nor require any substantial new infrastructure. This would also serve to further diversify the workforce within the City.

The City currently has several agencies and authorities designed to improve the economic situation. The City needs to continue to support these authorities and agencies by both participation and monetary support. Efforts should be continued by the City to provide them their much-needed resources.

Exhibit 36: Employment By Sector—Carroll and Douglas

		1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Total Employment	Carroll	26,179	31,361	35,549	38,180	41,238	43,730	46,036	48,327	50,649	53,042
	Douglas	12,259	18,300	25,350	31,685	40,265	45,793	51,321	56,706	61,781	66,401
Farm	Carroll	1,239	1,146	1,063	1,012	1,026	1,051	1,057	1,051	1,036	1,012
	Douglas	194	176	145	134	143	139	135	132	128	124
Agricultural Services, Other	Carroll	114	178	248	249	309	374	433	488	539	588
	Douglas	101	153	173	255	340	372	401	430	459	486
Mining	Carroll	9	36	92	61	74	77	79	81	83	85
	Douglas	52	68	140	90	114	114	116	119	122	126
Construction	Carroll	1,429	1,885	2,449	2,732	3,354	3,572	3,671	3,737	3,794	3,857
	Douglas	1,252	2,159	3,088	3,397	4,166	4,486	4,668	4,786	4,879	4,972
Manufacturing	Carroll	9,973	11,858	11,231	10,882	9,751	9,864	9,980	10,075	10,159	10,240
	Douglas	853	1,174	1,427	1,805	2,817	3,191	3,532	3,809	4,006	4,113
Trans, Comm, & Public Utilities	Carroll	750	638	818	772	1,062	1,125	1,174	1,210	1,233	1,244
	Douglas	646	855	1,282	1,466	1,713	2,029	2,293	2,514	2,697	2,841
Wholesale Trade	Carroll	587	877	771	1,108	1,400	1,544	1,652	1,748	1,842	1,939
	Douglas	374	884	1,352	1,746	2,114	2,649	3,198	3,762	4,319	4,846
Retail Trade	Carroll	3,440	4,644	5,890	6,647	7,187	7,876	8,527	9,166	9,797	10,432
	Douglas	2,335	4,015	5,930	7,662	9,996	11,645	13,352	14,991	16,487	17,787
Finance, Insurance, & Real Estate	Carroll	1,336	1,523	1,659	1,727	2,249	2,455	2,575	2,682	2,784	2,882
	Douglas	910	1,180	1,273	1,439	2,132	2,277	2,409	2,524	2,617	2,686
Services	Carroll	3,255	4,231	6,826	7,872	8,962	9,331	9,845	10,483	11,245	12,141
	Douglas	3,008	4,784	6,858	10,053	12,273	13,964	15,848	17,853	19,895	21,900
Federal Civilian Government	Carroll	151	155	211	201	218	229	238	246	253	258
	Douglas	74	93	143	136	176	203	221	234	241	244
Federal Military Government	Carroll	235	306	318	323	323	328	332	335	336	337
	Douglas	229	302	316	338	345	350	355	358	359	360
State & Local Government	Carroll	3,661	3,884	3,973	4,594	5,323	5,904	6,473	7,025	7,548	8,027
	Douglas	2,231	2,457	3,223	3,164	3,936	4,374	4,793	5,194	5,572	5,916

Source: Woods & Poole Economics, Inc

Exhibit 36 (a): Villa Rica City: Employment by Industry

Villa Rica: Employment by Industry										
	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Total Employed Civilian Population	1,284	2,066	2,848	2,329	1,809	1,940	2,072	2,203	2,334	2,465
Agriculture, Forestry, Fishing, hunting & mining	8	24	39	20	0	0	0	0	0	0
Construction	91	242	393	326	259	301	343	385	427	469
Manufacturing	651	782	912	652	391	326	261	196	131	66
Wholesale Trade	28	87	145	109	73	84	96	107	118	129
Retail Trade	115	295	474	376	277	318	358	399	439	480
Transportation, warehousing, and utilities	69	147	225	160	94	100	107	113	119	125
Information	NA	NA	NA	NA	45	NA	NA	NA	NA	NA
Finance, Insurance, & Real Estate	37	83	129	106	82	93	105	116	127	138
Professional, scientific, management, administrative, and waste management services	35	50	64	103	142	169	196	222	249	276
Educational, health and social services	163	239	315	218	120	109	99	88	77	66
Arts, entertainment, recreation, accommodation and food services	54	31	8	103	197	233	269	304	340	376
Other Services	12	57	101	83	65	78	92	105	118	131
Public Administration	21	32	43	54	64	75	86	96	107	118

Georgia: Employment by Industry			
	1980	1990	2000
Total Employed Civilian Population	NA	3,090,276	3,839,756
Agriculture, Forestry, Fishing, hunting & mining	NA	82,537	53,201
Construction	NA	214,359	304,710
Manufacturing	NA	585,423	568,830
Wholesale Trade	NA	156,838	148,026
Retail Trade	NA	508,861	459,548
Transportation, warehousing, and utilities	NA	263,419	231,304
Information	NA	NA	135,496
Finance, Insurance, & Real Estate	NA	201,422	251,240
Professional, scientific, management, administrative, and waste management services	NA	151,096	362,414
Educational, health and social services	NA	461,307	675,593
Arts, entertainment, recreation, accommodation and food services	NA	31,911	274,437
Other Services	NA	266,053	181,829
Public Administration	NA	167,050	193,128

Source: U.S. Bureau of the Census (SF3)

United States: Employment by Industry			
	1980	1990	2000
Total Employed Civilian Population	NA	115,681,202	129,721,512
Agriculture, Forestry, Fishing, hunting & mining	NA	NA	NA
Construction	NA	NA	NA
Manufacturing	NA	NA	NA
Wholesale Trade	NA	NA	NA
Retail Trade	NA	NA	NA
Transportation, warehousing, and utilities	NA	NA	NA
Information	NA	NA	NA
Finance, Insurance, & Real Estate	NA	NA	NA
Professional, scientific, management, administrative, and waste management services	NA	NA	NA
Educational, health and social services	NA	NA	NA
Arts, entertainment, recreation, accommodation and food services	NA	NA	NA
Other Services	NA	NA	NA
Public Administration	NA	NA	NA

Source: U.S. Bureau of the Census (SF3)

Exhibit: 36 (b): Villa Rica: Percent Employment by Industry

Villa Rica: Percent Employment by Industry			
	1980	1990	2000
Total Employed Civilian Population	100.0%	100.0%	100.0%
Agriculture, Forestry, Fishing, hunting & mining	0.6%	1.4%	0.0%
Construction	7.1%	13.8%	14.3%
Manufacturing	50.7%	32.0%	21.6%
Wholesale Trade	2.2%	5.1%	4.0%
Retail Trade	9.0%	16.6%	15.3%
Transportation, warehousing, and utilities	5.4%	7.9%	5.2%
Information	NA	NA	2.5%
Finance, Insurance, & Real Estate	2.9%	4.5%	4.5%
Professional, scientific, management, administrative, and waste management services	2.7%	2.2%	7.8%
Educational, health and social services	12.7%	11.1%	6.6%
Arts, entertainment, recreation, accommodation and food services	4.2%	0.3%	10.9%
Other Services	0.9%	3.5%	3.6%
Public Administration	1.6%	1.5%	3.5%

Exhibit 37: Percentage Employment by Sector—Carroll, Douglas and Georgia

		1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Farm	Carroll	4.73	3.65	2.99	2.65	2.49	2.40	2.30	2.17	2.05	1.91
	Douglas	1.58	0.96	0.57	0.42	0.36	0.30	0.26	0.23	0.21	0.19
	Georgia	3.51	2.55	2.01	1.63	1.39	1.24	1.11	1.00	0.90	0.82
Agricultural Services, Other	Carroll	0.44	0.57	0.70	0.65	0.75	0.86	0.94	1.01	1.06	1.11
	Douglas	0.82	0.84	0.68	0.80	0.84	0.81	0.78	0.76	0.74	0.73
	Georgia	0.60	0.76	0.85	1.06	1.13	1.15	1.16	1.17	1.17	1.16
Mining	Carroll	0.03	0.11	0.26	0.16	0.18	0.18	0.17	0.17	0.16	0.16
	Douglas	0.42	0.37	0.55	0.28	0.28	0.25	0.23	0.21	0.20	0.19
	Georgia	0.32	0.32	0.29	0.22	0.20	0.18	0.17	0.17	0.16	0.15
Construction	Carroll	5.46	6.01	6.89	7.16	8.13	8.17	7.97	7.73	7.49	7.27
	Douglas	10.21	11.80	12.18	10.72	10.35	9.80	9.10	8.44	7.90	7.49
	Georgia	5.07	6.11	5.75	5.58	6.10	6.05	5.94	5.80	5.66	5.52
Manufacturing	Carroll	38.10	37.81	31.59	28.50	23.65	22.56	21.68	20.85	20.06	19.31
	Douglas	6.96	6.42	5.63	5.70	7.00	6.97	6.88	6.72	6.48	6.19
	Georgia	19.25	17.53	15.51	14.27	12.63	12.07	11.56	11.03	10.50	9.97
Trans, Comm, & Public Utilities	Carroll	2.86	2.03	2.30	2.02	2.58	2.57	2.55	2.50	2.43	2.35
	Douglas	5.27	4.67	5.06	4.63	4.25	4.43	4.47	4.43	4.37	4.28
	Georgia	5.55	5.51	5.86	5.72	6.10	6.17	6.19	6.16	6.09	5.97
Wholesale Trade	Carroll	2.24	2.80	2.17	2.90	3.39	3.53	3.59	3.62	3.64	3.66
	Douglas	3.05	4.83	5.33	5.51	5.25	5.78	6.23	6.63	6.99	7.30
	Georgia	6.34	6.65	6.18	5.73	5.69	5.74	5.73	5.71	5.69	5.66
Retail Trade	Carroll	13.14	14.81	16.57	17.41	17.43	18.01	18.52	18.97	19.34	19.67
	Douglas	19.05	21.94	23.39	24.18	24.83	25.43	26.02	26.44	26.69	26.79
	Georgia	14.84	16.13	16.44	17.14	16.80	17.08	17.32	17.51	17.65	17.76
Finance, Insurance, & Real Estate	Carroll	5.10	4.86	4.67	4.52	5.45	5.61	5.59	5.55	5.50	5.43
	Douglas	7.42	6.45	5.02	4.54	5.29	4.97	4.69	4.45	4.24	4.05
	Georgia	7.28	6.98	6.64	6.36	7.12	7.05	6.98	6.91	6.83	6.76
Services	Carroll	12.43	13.49	19.20	20.62	21.73	21.34	21.39	21.69	22.20	22.89
	Douglas	24.54	26.14	27.05	31.73	30.48	30.49	30.88	31.48	32.20	32.98
	Georgia	18.30	20.61	23.75	26.61	28.63	29.27	30.10	31.07	32.16	33.35
Federal Civilian Government	Carroll	0.58	0.49	0.59	0.53	0.53	0.52	0.52	0.51	0.50	0.49
	Douglas	0.60	0.51	0.56	0.43	0.44	0.44	0.43	0.41	0.39	0.37
	Georgia	3.08	2.87	2.79	2.33	1.90	1.76	1.63	1.53	1.43	1.35
Federal Military Government	Carroll	0.90	0.98	0.89	0.85	0.78	0.75	0.72	0.69	0.66	0.64
	Douglas	1.87	1.65	1.25	1.07	0.86	0.76	0.69	0.63	0.58	0.54
	Georgia	3.36	3.05	2.46	2.24	1.93	1.82	1.71	1.61	1.51	1.42
State & Local Government	Carroll	13.98	12.38	11.18	12.03	12.91	13.50	14.06	14.54	14.90	15.13
	Douglas	18.20	13.43	12.71	9.99	9.78	9.55	9.34	9.16	9.02	8.91
	Georgia	12.51	10.92	11.46	11.11	10.39	10.44	10.40	10.33	10.22	10.10

Source: Woods & Poole Economics, Inc

Exhibit 38: Earnings by Sector—Carroll and Douglas

		1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Total Earnings ¹	Carroll	542.5	656.2	804.2	885.7	1,087.4	1,206.2	1,324.6	1,447.5	1,576.4	1,712.9
	Douglas	235.6	369.7	542.4	690.5	965.5	1,147.9	1,338.2	1,534.6	1,732.5	1,926.9
Farm	Carroll	2.2	7.1	17.0	20.1	20.9	24.2	27.3	30.5	33.6	36.6
	Douglas	0.1	0.5	0.8	0.0	0.4	0.4	0.4	0.4	0.4	0.4
Agricultural Services, Other	Carroll	1.3	2.0	3.0	2.6	4.2	5.3	6.4	7.5	8.6	9.8
	Douglas	0.9	1.3	0.9	2.0	3.1	3.6	4.0	4.6	5.1	5.7
Mining	Carroll	1.1	0.9	1.0	0.9	1.4	1.5	1.5	1.6	1.6	1.7
	Douglas	2.1	2.9	4.0	3.5	5.4	5.5	5.6	5.9	6.1	6.3
Construction	Carroll	35.7	49.5	65.3	71.3	104.5	114.8	121.3	126.7	132.0	137.6
	Douglas	31.1	53.9	80.7	86.4	121.4	134.5	143.4	150.6	157.0	163.6
Manufacturing	Carroll	244.2	275.5	304.0	311.9	334.4	359.3	384.7	410.0	435.2	460.6
	Douglas	20.3	26.5	35.6	55.5	86.2	104.4	123.0	140.8	156.7	169.8
Trans, Comm, & Public Utilities	Carroll	25.0	20.6	26.5	25.2	37.3	41.7	45.7	49.2	52.3	54.8
	Douglas	19.3	25.9	36.1	48.7	61.7	77.3	92.0	106.0	118.9	130.6
Wholesale Trade	Carroll	18.1	26.6	23.5	30.0	43.0	48.5	53.0	57.2	61.4	65.8
	Douglas	9.4	22.2	41.1	54.3	73.2	94.0	116.1	139.6	163.6	187.3
Retail Trade	Carroll	53.7	72.5	78.6	89.4	106.2	118.9	131.5	144.4	157.6	171.4
	Douglas	39.2	70.1	88.5	122.7	178.0	211.9	248.2	284.7	319.7	352.1
Finance, Insurance, & Real Estate	Carroll	17.1	20.0	28.7	35.4	44.8	52.5	58.7	64.9	71.1	77.4
	Douglas	7.6	9.1	20.2	25.6	32.8	37.5	42.4	47.1	51.6	55.6
Services	Carroll	59.1	75.2	134.7	164.7	218.0	243.0	273.1	308.7	350.5	399.7
	Douglas	55.4	85.9	134.1	189.6	255.6	309.5	372.0	442.2	518.7	599.7
Federal Civilian Government	Carroll	6.4	6.9	8.6	9.0	10.6	11.5	12.4	13.2	14.0	14.8
	Douglas	3.3	4.5	6.1	6.4	9.3	11.2	12.6	13.9	14.8	15.5
Federal Military Government	Carroll	1.7	3.6	3.5	3.7	4.2	4.5	4.7	5.0	5.2	5.4
	Douglas	1.7	3.5	3.5	3.8	4.4	4.7	5.0	5.2	5.5	5.8
State & Local Government	Carroll	77.0	95.7	109.9	121.4	158.0	180.7	204.3	228.7	253.2	277.4
	Douglas	45.2	63.3	90.8	91.9	134.0	153.5	173.4	193.8	214.3	234.4

Source: Woods & Poole Economics, Inc

¹ Millions of dollars

Exhibit 39: Percent Earnings by Sector—Carroll, Douglas and Georgia

		1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
Farm	Carroll	0.40	1.08	2.11	2.27	1.92	2.00	2.06	2.11	2.13	2.14
	Douglas	0.04	0.13	0.15	0.00	0.04	0.04	0.03	0.03	0.02	0.02
	Georgia	0.16	1.27	1.36	1.40	0.98	0.93	0.89	0.85	0.82	0.79
Agricultural Services, Other	Carroll	0.25	0.30	0.37	0.30	0.38	0.44	0.48	0.52	0.55	0.57
	Douglas	0.38	0.35	0.17	0.29	0.32	0.31	0.30	0.30	0.30	0.30
	Georgia	0.37	0.41	0.46	0.53	0.59	0.60	0.61	0.62	0.62	0.62
Mining	Carroll	0.20	0.13	0.13	0.10	0.13	0.12	0.11	0.11	0.10	0.10
	Douglas	0.87	0.79	0.74	0.51	0.56	0.48	0.42	0.38	0.35	0.33
	Georgia	0.65	0.48	0.36	0.29	0.27	0.25	0.22	0.21	0.19	0.18
Construction	Carroll	6.59	7.54	8.12	8.05	9.61	9.52	9.15	8.75	8.37	8.03
	Douglas	13.20	14.57	14.88	12.51	12.58	11.72	10.72	9.81	9.06	8.49
	Georgia	5.66	6.57	5.82	5.39	6.00	5.86	5.67	5.46	5.26	5.06
Manufacturing	Carroll	45.01	41.99	37.80	35.22	30.75	29.79	29.05	28.32	27.60	26.89
	Douglas	8.62	7.17	6.57	8.04	8.93	9.09	9.19	9.17	9.05	8.81
	Georgia	22.54	20.03	17.51	16.84	14.86	14.45	14.05	13.59	13.08	12.53
Trans, Comm, & Public Utilities	Carroll	4.60	3.14	3.30	2.85	3.43	3.46	3.45	3.40	3.32	3.20
	Douglas	8.19	7.00	6.66	7.06	6.39	6.73	6.88	6.90	6.86	6.78
	Georgia	9.33	8.85	8.75	9.43	9.89	9.99	10.01	9.96	9.84	9.63
Wholesale Trade	Carroll	3.34	4.05	2.92	3.39	3.96	4.02	4.00	3.95	3.89	3.84
	Douglas	3.98	6.01	7.58	7.87	7.59	8.19	8.67	9.09	9.44	9.72
	Georgia	8.87	9.04	8.86	8.17	8.44	8.36	8.21	8.05	7.88	7.71
Retail Trade	Carroll	9.89	11.04	9.77	10.09	9.76	9.86	9.93	9.98	10.00	10.00
	Douglas	16.63	18.97	16.31	17.77	18.43	18.46	18.55	18.55	18.45	18.28
	Georgia	10.33	10.64	9.17	9.08	8.99	8.97	8.93	8.87	8.80	8.71
Finance, Insurance, & Real Estate	Carroll	3.15	3.05	3.56	3.99	4.12	4.35	4.43	4.48	4.51	4.52
	Douglas	3.25	2.47	3.72	3.71	3.39	3.27	3.17	3.07	2.98	2.89
	Georgia	5.44	5.59	6.43	6.86	7.57	7.66	7.73	7.78	7.81	7.82
Services	Carroll	10.89	11.46	16.75	18.60	20.05	20.15	20.62	21.32	22.23	23.33
	Douglas	23.52	23.23	24.72	27.46	26.48	26.97	27.79	28.82	29.94	31.12
	Georgia	15.63	17.36	21.95	24.33	26.77	27.78	29.02	30.44	32.02	33.73
Federal Civilian Government	Carroll	1.17	1.06	1.07	1.02	0.97	0.95	0.94	0.91	0.89	0.86
	Douglas	1.40	1.22	1.12	0.92	0.96	0.97	0.94	0.90	0.86	0.81
	Georgia	5.64	5.11	4.66	4.17	3.39	3.11	2.87	2.67	2.49	2.33
Federal Military Government	Carroll	0.31	0.55	0.44	0.41	0.39	0.37	0.36	0.34	0.33	0.32
	Douglas	0.72	0.96	0.64	0.55	0.46	0.41	0.37	0.34	0.32	0.30
	Georgia	3.72	3.68	2.69	2.49	2.06	1.94	1.83	1.72	1.62	1.53
State & Local Government	Carroll	14.19	14.59	13.66	13.70	14.53	14.98	15.42	15.80	16.06	16.20
	Douglas	19.20	17.13	16.74	13.31	13.88	13.37	12.96	12.63	12.37	12.17
	Georgia	11.67	10.97	11.97	11.01	10.18	10.10	9.95	9.78	9.58	9.37

Source: Woods & Poole Economics, Inc

Exhibit 40: Average Weekly Wages (in dollars)—Carroll, Douglas and Georgia

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
All Industries	Carroll	333	353	367	375	387	392	406	429	444	471	492
	Douglas	330	351	359	378	384	393	409	419	437	458	486
	Georgia	404	424	444	471	480	488	509	531	562	598	629
Agri, Forestry, Fishing	Carroll	246	242	243	269	268	296	NA	NA	NA	341	NA
	Douglas	295	295	324	305	319	NA	300	299	NA	289	330
	Georgia	267	276	285	297	304	312	322	336	347	373	390
Mining	Carroll	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Douglas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Georgia	561	589	605	NA	NA	698	734	741	781	832	866
Construction	Carroll	NA	388	407	412	415	428	483	508	525	548	554
	Douglas	NA	436	412	439	446	484	506	531	NA	585	NA
	Georgia	NA	434	439	451	461	479	508	534	556	590	623
Manufacturing	Carroll	NA	389	401	408	429	444	465	504	522	563	608
	Douglas	NA	357	394	406	424	439	482	NA	522	NA	NA
	Georgia	NA	450	473	503	511	531	555	588	620	656	684
Transportation, Comm, Util	Carroll	NA	519	520	554	542	533	570	573	637	615	625
	Douglas	NA	441	493	536	559	599	622	636	652	683	673
	Georgia	NA	603	635	689	709	720	737	769	805	842	895
Wholesale	Carroll	NA	423	447	465	466	NA	455	NA	NA	NA	NA
	Douglas	NA	468	500	504	545	561	529	559	598	632	650
	Georgia	NA	603	632	669	695	711	729	762	809	873	932
Retail	Carroll	NA	203	213	224	226	233	229	236	239	254	268
	Douglas	NA	232	251	268	268	278	291	289	306	324	343
	Georgia	NA	236	244	255	260	267	275	286	299	318	335
Financial, Insurance, Real Estate	Carroll	NA	419	430	437	469	476	495	509	542	543	516
	Douglas	NA	405	457	536	535	492	475	499	513	491	536
	Georgia	NA	544	569	627	648	648	693	741	799	872	900
Services	Carroll	NA	333	355	372	389	381	406	433	446	468	483
	Douglas	NA	355	339	360	354	358	378	380	NA	399	NA
	Georgia	NA	414	439	464	471	475	501	519	551	580	611
Federal Gov	Carroll	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Douglas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Georgia	NA	543	584	612	651	667	666	701	774	791	808
State Gov	Carroll	NA	NA	NA	NA	NA	NA	466	495	490	504	513
	Douglas	NA	402	NA	NA	NA	NA	NA	NA	510	529	554
	Georgia	NA	451	462	460	471	NA	493	517	533	561	579
Local Gov	Carroll	NA	NA	NA	NA	NA	NA	362	383	NA	NA	NA
	Douglas	NA	NA	NA	417	421	433	453	476	514	558	569
	Georgia	NA	387	401	401	410	420	440	461	480	506	523

Source: U.S. Bureau of Labor Statistics

Exhibit 40 (a): Villa Rica: Personal Income by Type (in dollars)

Villa Rica: Personal Income by Type (in dollars)		
	1990	2000
Total income	59,035,976	54,985,800
Aggregate wage or salary income for households	46,301,223	42,559,500
Aggregate other types of income for households	1,100,747	1,326,100
Aggregate self employment income for households	2,038,254	2,909,200
Aggregate interest, dividends, or net rental income	2,627,535	1,063,500
Aggregate social security income for households	4,501,754	4,205,000
Aggregate public assistance income for households	830,942	735,100
Aggregate retirement income for households	1,635,521	2,187,400

Source: U.S. Bureau of the Census (SF3)

Exhibit 40 (b): Average Weekly Wage For Carroll County (2001)

Carroll County Agriculture \$524.00
Manufacturing \$682.00
Retail Trade \$353.00
Services \$465.00
Government \$546.00
Source: Georgia Department of Industry, Trade & Tourism
Hourly manufacturing rates: starting/unskilled - \$8.02 skilled - \$10.90
Average/unskilled - \$9.56 skilled - \$13.11
Average benefit package – 27%

Source: Carroll County Chamber of Commerce

Exhibit 41: Income Earned (in millions)—Carroll, Douglas and Georgia

		1980	1985	1990	1995	2000
Total (in 1996 \$)	Carroll	\$767.0	\$968.3	\$1,196.6	\$1,383.6	\$1,748.3
	Douglas	\$854.3	\$1,109.8	\$1,342.9	\$1,672.6	\$2,142.2
	Georgia	\$84,202.1	\$110,382.0	\$134,782.0	\$163,230.0	\$209,309.0
Wages & Salaries	Carroll	\$426.9	\$512.1	\$619.4	\$687.4	\$834.6
	Douglas	\$175.6	\$277.4	\$425.4	\$545.6	\$773.2
	Georgia	\$53,972.9	\$68,598.8	\$81,355.6	\$96,422.8	\$128,049.0
Other Labor Income	Carroll	\$56.8	\$67.4	\$90.4	\$99.6	\$99.2
	Douglas	\$20.3	\$34.6	\$55.2	\$68.3	\$79.2
	Georgia	\$7,079.4	\$9,626.2	\$11,702.3	\$14,092.0	\$14,308.0
Proprietors Income	Carroll	\$58.9	\$76.7	\$94.4	\$98.6	\$153.5
	Douglas	\$39.8	\$57.7	\$61.7	\$76.6	\$113.1
	Georgia	\$5,484.9	\$7,694.7	\$9,584.3	\$12,998.9	\$18,105.4
Dividends, Interest, & Rent	Carroll	\$93.2	\$149.5	\$195.6	\$204.9	\$273.8
	Douglas	\$72.4	\$118.1	\$156.4	\$190.1	\$253.0
	Georgia	\$10,987.0	\$17,428.3	\$23,366.9	\$26,625.0	\$35,169.0

		1980	1985	1990	1995	2000
Transfer Payments to Persons	Carroll	\$109.1	\$129.0	\$161.6	\$234.4	\$267.6
	Douglas	\$72.7	\$91.4	\$118.6	\$180.9	\$214.1
	Georgia	\$9,867.4	\$11,841.3	\$14,749.8	\$20,606.7	\$23,300.9
		1980	1985	1990	1995	2000
Less: Social Ins. Contributions	Carroll	\$25.1	\$35.8	\$47.4	\$54.4	\$64.0
	Douglas	\$10.4	\$20.0	\$31.9	\$43.6	\$58.5
	Georgia	\$2,978.2	\$4,527.9	\$5,839.7	\$7,270.3	\$9,398.0
Residence Adjustment	Carroll	\$47.3	\$69.4	\$82.6	\$113.0	\$183.5
	Douglas	\$484.1	\$550.6	\$557.4	\$654.9	\$768.1
	Georgia	(\$211.2)	(\$279.8)	(\$136.8)	(\$245.3)	(\$224.7)
		2005	2010	2015	2020	2025
Total (in 1996 \$)	Carroll	\$1,942.6	\$2,143.1	\$2,356.1	\$2,584.6	\$2,831.5
	Douglas	\$2,534.1	\$2,946.5	\$3,378.3	\$3,824.4	\$4,279.6
	Georgia	\$236,962.0	\$266,921.0	\$299,617.0	\$335,164.0	\$373,728.0
Wages & Salaries	Carroll	\$928.8	\$1,022.6	\$1,120.3	\$1,223.2	\$1,332.8
	Douglas	\$921.7	\$1,076.9	\$1,237.7	\$1,400.4	\$1,561.1
	Georgia	\$144,760.0	\$162,812.0	\$182,588.0	\$204,172.0	\$227,684.0
Other Labor Income	Carroll	\$108.9	\$118.4	\$127.9	\$137.8	\$148.1
	Douglas	\$93.2	\$107.4	\$121.8	\$136.0	\$149.5
	Georgia	\$15,909.5	\$17,605.1	\$19,429.5	\$21,384.6	\$23,476.2
Proprietors Income	Carroll	\$168.5	\$183.7	\$199.2	\$215.3	\$232.0
	Douglas	\$133.0	\$153.9	\$175.1	\$196.1	\$216.2
	Georgia	\$20,196.6	\$22,501.7	\$25,001.5	\$27,696.8	\$30,597.4
Dividends, Interest, & Rent	Carroll	\$305.9	\$340.2	\$376.4	\$414.7	\$454.8
	Douglas	\$302.4	\$355.7	\$413.0	\$474.0	\$538.8
	Georgia	\$39,713.0	\$44,582.2	\$49,772.6	\$55,274.6	\$61,073.9
Transfer Payments to Persons	Carroll	\$304.9	\$347.5	\$396.1	\$451.7	\$515.3
	Douglas	\$260.9	\$314.6	\$376.2	\$447.0	\$528.5
	Georgia	\$26,662.0	\$30,514.5	\$34,921.9	\$39,972.8	\$45,770.2
Less: Social Ins. Contributions	Carroll	\$74.0	\$84.8	\$96.1	\$108.2	\$120.8
	Douglas	\$72.5	\$88.2	\$104.9	\$122.4	\$139.9
	Georgia	\$11,070.6	\$12,973.8	\$15,086.6	\$17,406.5	\$19,929.4
Residence Adjustment	Carroll	\$199.7	\$215.6	\$232.3	\$250.0	\$269.3
	Douglas	\$895.4	\$1,026.1	\$1,159.5	\$1,293.3	\$1,425.3
	Georgia	\$791.4	\$1,879.2	\$2,989.8	\$4,070.2	\$5,055.3

Source: Woods & Poole Economics, Inc

Exhibit 42: Percentage of Income Earned—Carroll, Douglas and Georgia

		1980	1985	1990	1995	2000
Total (in 1996 \$)	Carroll	100.00	100.00	100.00	100.00	100.00
	Douglas	100.00	100.00	100.00	100.00	100.00
	Georgia	100.00	100.00	100.00	100.00	100.00
Wages & Salaries	Carroll	55.66	52.89	51.76	49.69	47.74
	Douglas	20.55	25.00	31.68	32.62	36.09
	Georgia	64.10	62.15	60.36	59.07	61.18
Other Labor Income	Carroll	7.40	6.96	7.56	7.20	5.68
	Douglas	2.38	3.11	4.11	4.08	3.70
	Georgia	8.41	8.72	8.68	8.63	6.84
Proprietors Income	Carroll	7.68	7.92	7.89	7.12	8.78
	Douglas	4.65	5.20	4.60	4.58	5.28
	Georgia	6.51	6.97	7.11	7.96	8.65
Dividends, Interest, & Rent	Carroll	12.15	15.44	16.34	14.81	15.66
	Douglas	8.47	10.64	11.65	11.36	11.81
	Georgia	13.05	15.79	17.34	16.31	16.80
		1980	1985	1990	1995	2000
Transfer Payments to Persons	Carroll	14.23	13.33	13.51	16.95	15.31
	Douglas	8.50	8.24	8.83	10.81	9.99
	Georgia	11.72	10.73	10.94	12.62	11.13
Less: Social Ins. Contributions	Carroll	3.27	3.70	3.96	3.94	3.66
	Douglas	1.22	1.80	2.38	2.61	2.73
	Georgia	3.54	4.10	4.33	4.45	4.49
Residence Adjustment	Carroll	6.17	7.16	6.90	8.17	10.50
	Douglas	56.66	49.61	41.51	39.15	35.86
	Georgia	(0.25)	(0.25)	(0.10)	(0.15)	(0.11)
		2005	2010	2015	2020	2025
Total (in 1996 \$)	Carroll	100.00	100.00	100.00	100.00	100.00
	Douglas	100.00	100.00	100.00	100.00	100.00
	Georgia	100.00	100.00	100.00	100.00	100.00
Wages & Salaries	Carroll	47.81	47.71	47.55	47.33	47.07
	Douglas	36.37	36.55	36.64	36.62	36.48
	Georgia	61.09	61.00	60.94	60.92	60.92
Other Labor Income	Carroll	5.61	5.52	5.43	5.33	5.23
	Douglas	3.68	3.65	3.61	3.56	3.49
	Georgia	6.71	6.60	6.48	6.38	6.28
Proprietors Income	Carroll	8.67	8.57	8.46	8.33	8.19
	Douglas	5.25	5.22	5.18	5.13	5.05
	Georgia	8.52	8.43	8.34	8.26	8.19
Dividends, Interest, & Rent	Carroll	15.75	15.87	15.98	16.05	16.06
	Douglas	11.93	12.07	12.22	12.39	12.59
	Georgia	16.76	16.70	16.61	16.49	16.34
Transfer Payments to Persons	Carroll	15.69	16.21	16.81	17.48	18.20
	Douglas	10.30	10.68	11.14	11.69	12.35
	Georgia	11.25	11.43	11.66	11.93	12.25
Less: Social Ins. Contributions	Carroll	3.81	3.96	4.08	4.18	4.27
	Douglas	2.86	2.99	3.11	3.20	3.27
	Georgia	4.67	4.86	5.04	5.19	5.33

		2005	2010	2015	2020	2025
Residence Adjustment	Carroll	10.28	10.06	9.86	9.67	0.10
	Douglas	35.33	34.82	34.32	33.82	33.30
	Georgia	0.33	0.70	1.00	1.21	0.01

Exhibit 43: Major Employers in Carroll County

Company	Type	Employment
Carroll County Schools	Service	2,400
Southwire Company	Manufacturing	1,585
Tanner Medical Center	Service	1,650
University of West Georgia	Service	965
Gold Kist, Inc.	Manufacturing	700
City of Carrollton Schools	Education	536
Fresh Advantage	Vegetable Processing	430
Bremen Bowden Investment	Clothing	400
Trintex	Rubber products	316
OFS Brightwave	Fiber optic cable	287
Aubrey Silvey	Construction	250
Janus International	Roll up metal doors	210
Wal-Mart.com	Fulfillment Center	250
Maplehurst	Baked goods	200
Sony	Distribution	190

Source: Carroll County Chamber of Commerce

Exhibit 44: New and Expanding Industries Major Plant Openings—Carroll County

Company	Product/Service	Employment
Printpack	Plastic packaging	364
DecoStar International	Automotive Parts	300
Flowers	Baked goods	250
Sugar Foods	Sugar substitutes	210
Flowers Baking Co.	Baked Goods	276
AirTran Airways Call Center	Call Center	200
Arch. Aluminum	Door/window frames	150
King Provision	Food distribution	140
Leggett & Platt	Wiping cloths	100
Mary Ann Industries	Carpet padding	100
IKKA Technology	Plastic Components	80

Source: Carroll County Chamber of Commerce, Carroll Tomorrow

**Exhibit 45: Percent Employment by Occupation—
Villa Rica, Carroll, Douglas, Georgia and United States**

1990					
	Villa Rica	Carroll	Douglas	Georgia	US
Executive, Administrative and Managerial (not Farm)	5.06%	8.09%	13.66%	12.26%	12.32%
Professional and Technical Specialty	5.69%	10.28%	8.88%	12.39%	14.11%
Technicians & Related Support	1.40%	2.67%	3.20%	3.58%	3.68%
Sales	6.07%	11.14%	11.11%	12.28%	11.79%
Clerical and Administrative Support	13.55%	12.87%	20.79%	16.00%	16.26%
Private Household Services	0.74%	0.31%	0.15%	0.51%	0.45%
Protective Services	0.77%	1.52%	1.91%	1.70%	1.72%
Service Occupations (not Protective & Household)	7.16%	8.61%	8.36%	9.77%	11.04%
Farming, Fishing and Forestry	0.53%	2.04%	0.99%	2.20%	2.46%
Precision Production, Craft, and Repair	18.43%	15.64%	14.98%	11.86%	11.33%
Machine Operators, Assemblers & Inspectors	21.07%	14.50%	6.06%	8.50%	6.83%
Transportation & Material Moving	9.45%	5.88%	5.77%	4.60%	4.08%
Handlers, Equipment Cleaners, helpers & Laborers	10.08%	6.44%	4.14%	4.34%	3.94%
2000					
	VILLA RICA	Carroll	Douglas	Georgia	US
Executive, Administrative and Managerial (not Farm)	5.91%	10.21%	13.82%	14.03%	13.45%
Professional and Technical Specialty	10.06%	16.34%	15.69%	18.68%	20.20%
Technicians & Related Support	NA	NA	NA	NA	NA
Sales	9.95%	11.11%	12.08%	11.64%	11.25%
Clerical and Administrative Support	17.14%	14.16%	18.68%	15.14%	15.44%
Private Household Services	NA	NA	NA	NA	NA
Protective Services	NA	NA	NA	NA	NA
Service Occupations (not Protective & Household)	11.61%	11.85%	11.26%	11.57%	12.01%
Farming, Fishing and Forestry	0.00%	0.29%	0.17%	0.64%	0.73%
Precision Production, Craft, and Repair	10.01%	11.88%	6.89%	9.02%	8.49%
Machine Operators, Assemblers & Inspectors	20.56%	14.06%	13.40%	10.83%	9.45%
Transportation & Material Moving	11.50%	7.91%	7.84%	6.63%	6.14%
Handlers, Equipment Cleaners, helpers & Laborers	NA	NA	NA	NA	NA

Source: US Census Bureau

Exhibit 46: Labor Force Participation--Villa Rica, Carroll, Douglas and United States

1990					
	Villa Rica	Carroll	Douglas	Georgia	US
TOTAL Males and Females	4,792	54,577	53,247	4,939,774	191,293,337
In Labor Force	3,007	36,172	39,501	3,353,372	124,882,409
Civilian Labor Force	3,007	36,137	39,401	3,280,314	123,176,636
Civilian Employed	2,848	34,189	37,431	3,092,374	115,431,436
Civilian Unemployed	159	1,948	1,970	187,940	7,745,200
In Armed Forces	0	35	100	73,058	1,705,773
Not in Labor Force	1,785	18,405	13,746	1,586,402	66,410,928
TOTAL Males	2,242	25,964	25,962	2,357,580	91,866,829
Male In Labor Force	1,695	19,504	21,296	1,807,053	68,417,853
Male Civilian Labor Force	1,695	19,486	21,208	1,741,609	66,897,041
Male Civilian Employed	1,632	18,647	20,346	1,652,016	62,639,048
Male Civilian Unemployed	63	839	862	89,593	4,257,993
Male In Armed Forces	0	18	88	65,444	1,520,812
Male Not in Labor Force	547	6,460	4,666	550,527	23,448,976
TOTAL Females	2,550	28,613	27,285	2,582,194	99,426,508
Female In Labor Force	1,312	16,668	18,205	1,546,319	56,464,556
Female Civilian Labor Force	1,312	16,651	18,193	1,538,705	56,279,595
Female Civilian Employed	1,216	15,542	17,085	1,440,358	52,792,388
Female Civilian Unemployed	96	1,109	1,108	98,347	3,487,207
Female In Armed Forces	0	17	12	7,614	184,961
Female Not in Labor Force	1,238	11,945	9,080	1,035,875	42,961,952
2000					
	Villa Rica	Carroll	Douglas	Georgia	US
TOTAL Males and Females	3,021	67,034	69,334	6,250,687	217,168,077
In Labor Force	1,906	42,630	48,921	4,129,666	138,820,935
Civilian Labor Force	1,906	42,589	48,822	4,062,808	137,668,798
Civilian Employed	1,809	40,527	46,944	3,839,756	129,721,512
Civilian Unemployed	97	2,062	1,878	223,052	7,947,286
In Armed Forces	0	41	99	66,858	1,152,137
Not in Labor Force	1,115	24,404	20,413	2,121,021	78,347,142
TOTAL Males	1,445	31,953	33,648	3,032,442	104,982,282
Male In Labor Force	1,032	22,832	26,199	2,217,015	74,273,203
Male Civilian Labor Force	1,032	22,791	26,132	2,159,175	73,285,305
Male Civilian Employed	1,008	21,879	25,216	2,051,523	69,091,443
Male Civilian Unemployed	24	912	916	107,652	4,193,862
Male In Armed Forces	0	41	67	57,840	987,898
Male Not in Labor Force	413	9,121	7,449	815,427	30,709,079
TOTAL Females	1,576	35,081	35,686	3,218,245	112,185,795
Female In Labor Force	874	19,798	22,722	1,912,651	64,547,732
Female Civilian Labor Force	874	19,798	22,690	1,903,633	64,383,493
Female Civilian Employed	801	18,648	21,728	1,788,233	60,630,069
Female Civilian Unemployed	73	1,150	962	115,400	3,753,424
Female In Armed Forces	0	0	32	9,018	164,239
Female Not in Labor Force	702	15,283	12,964	1,305,594	47,638,063

Source: US Census Bureau

**Exhibit 47: Unemployment Percentages—
Carroll, Surrounding Counties, Georgia and United States**

Carroll County											
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Carroll County											
Labor Force	37,831	38,769	39,450	40,959	43,143	44,410	45,413	45,090	45,710	46,627	47,846
Employed	35,591	36,937	37,401	38,864	40,988	42,412	43,364	43,215	43,379	43,986	45,313
Unemployed	2,240	1,832	2,049	2,095	2,155	1,998	2,049	1,875	2,331	2,641	2,533
Unemployment Rate	5.90%	4.70%	5.20%	5.10%	5.00%	4.50%	4.50%	4.20%	5.10%	5.70%	5.30%
Surrounding Counties, Georgia and US											
Coweta	5.30%	4.20%	4.10%	3.80%	4.00%	3.30%	2.80%	3.60%	3.40%	4.70%	4.60%
Douglas	4.60%	4.00%	3.60%	3.20%	3.10%	3.00%	2.90%	2.80%	2.90%	4.90%	4.80%
Haralson	9.50%	6.10%	7.80%	8.00%	6.90%	6.00%	4.90%	4.40%	5.50%	5.90%	5.20%
Heard	7.40%	6.80%	5.90%	8.20%	6.30%	5.10%	6.60%	5.30%	5.20%	5.60%	5.60%
Paulding	4.60%	3.60%	3.50%	2.60%	2.60%	2.30%	2.10%	2.20%	2.40%	4.00%	4.10%
Georgia	5.80%	5.20%	4.90%	4.60%	4.50%	4.20%	4.00%	3.70%	4.00%	5.10%	4.70%
US	6.90%	6.10%	5.60%	5.40%	4.90%	4.50%	4.20%	4.00%	4.70%	5.80%	6.00%

Source: U.S. Bureau of Labor Statistics

While less than the National average unemployment rate, the 2003 Carroll County average unemployment rate is still relatively high, when compared with surrounding counties and the State.

Exhibit 48: Villa Rica Labor Force by Place of Work

Category	1990	2000
Worked in County of Residence	1,229	833
Percent of Labor Force working in County of Residence	45%	47%
Worked outside county of Residence	1,532	948
Percent of Labor Force working outside County of Residence	55%	53%

Source: U.S. Census Bureau

Unemployment Rates for Villa Rica and Nearby Cities			
	Census 2000	2003	2004
Carrollton	3.9	6.3	5.9
Douglasville	3.7	5.9	5.8
Newnan	4.5	5.9	4.6
Atlanta	4.5	6.9	7.6
Villa Rica	3.2	N/A	N/A
Bremen	2.9	N/A	N/A
Temple	2.8	N/A	N/A
Dallas	2.6	N/A	N/A

Source: U.S. Census Bureau and Bureau of Labor Statistics