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Hillsborough County, Florida, 1995 through 2000
/ : an analysis performed by Center for Economic
Development Research, College of Business
Administration, University of South Florida

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Industry Structure and Global Competitiveness
Hillsborough County, Florida, 1995 through 2000

An Analysis Performed by

CENTER FOR ECONOMIC DEVELOPMENT RESEARCH
College of Business Administration



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Preface

This study, *Industry Structure and Global Competitiveness, Hillsborough County, Florida, 1995 through 2000*, was commissioned by the CBD section of the Hillsborough County Economic Development Department and was prepared by CEDR. CEDR provides information and conducts research on issues related to economic growth and development in the Nation, in the state of Florida, and particularly in the central Florida region. The Center serves the faculty, staff, and students of the College of Business Administration, the University, and individuals and organizations in the University's service area. CEDR's activities are designed to further the objectives of the University and specifically the objectives of the College of Business Administration.

Hillsborough County is located in west central Florida and is one of seven counties often collectively referred to as Tampa Bay. The Hillsborough County Economic Development Department administers programs that sustain and encourage the economic growth of the local economy, including programs that stimulate the creation of quality jobs for the skilled and semi-skilled work force. The Department's Corporate Business Development (CBD) section is committed to increasing quality job opportunities for the community's residents by helping to establish, maintain and project Hillsborough County's business friendly climate to corporations that create and sustain those desirable quality jobs.¹

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¹ Source is www.hillsboroughcounty.org/home.html on 8/18/03.

Table of Contents

Preface *i*

Table of Contents **ii**

EXECUTIVE SUMMARY **iii**

Introduction 1

Section 1 – Industry Structure 3

 Employment 3

 Employee Compensation 7

 Employee Compensation per Worker 12

 Value-Added 16

 Value-Added per Worker 21

 Conclusions 25

Section 2 – Global Competitiveness 27

 Value-Added per Worker in Hillsborough County in the Year 2000 27

 Conclusions 31

Appendix A 32

Appendix B 61

EXECUTIVE SUMMARY

We use three key measures of industry activity during the years 1995 through 2000 in the Hillsborough County economy for historical trends. We obtain the measures of Employment, Employee Compensation, and Value-Added from the *IMPLAN Professional*TM regional economic impact model (IMPLAN) baseline results for each of the years 1995 through 2000, inclusive. IMPLAN is a widely used Input-Output (I-O) economic analysis program that uses national input-output tables and patterns of trade flows to develop economic data down to the county level. We analyze these baseline results for trends in volume and growth and rank the baseline results for comparison of individual industries within each year. In addition, we analyze measures of wages and productivity for similar industry trends. We use Employee Compensation per Worker as a measure of wages and Value-Added per Worker as a measure of productivity. We determine both measures from the IMPLAN baseline results and analyze for trends in volume and growth and rank the measures for comparison of individual industries within each year.

The measures of employment, employee compensation, and value-added provide historical insight into the recent evolution of the industry structure of the Hillsborough County economy. The following **Table ES-1** provides baseline data of these measures at the divisional level to emphasize the general direction of growth. **For the period between 1995 to 2000, the number of individuals employed within each division of the Hillsborough County economy grew.** The Services and Trade divisions consistently employed the most workers of all divisions. The share of employment within each division relative to the Hillsborough County total was reasonably consistent throughout the period. Consequently, the general structure of the Hillsborough County economy is characterized as stable during the period, with no significant expansion or contraction notable within any particular division.

Similar to the measure of Employment, total Employee Compensation and Value-Added grew throughout the period in all divisions. Table ES-1 indicates that the Services division led in terms of both measures throughout the period. This finding is consistent with that noted for total employment. The share of total Employee Compensation and Value-Added within each division relative to the Hillsborough County total for each measure remained stable throughout the period.

Table ES-1**Employment**

Division	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment	Average Employment
0 - Agriculture	15,624	13,288	14,422	15,944	16,575	18,242	15,683
1 - Mining	12	11	13	33	17	245	55
1 - Construction	34,085	36,484	37,990	40,005	42,024	43,669	39,043
2 & 3 - Manufacturing	37,431	37,236	38,438	38,699	38,635	39,213	38,275
4 - Trans&Pub Util	28,913	29,249	31,214	33,151	34,808	36,638	32,329
5 - Trade	135,512	140,609	141,054	143,308	144,665	146,888	142,006
6 - FIRE	50,167	52,493	54,637	61,186	63,878	64,385	57,791
7 & 8 - Services	219,982	230,387	249,659	273,596	307,371	322,629	267,271
9 - Other	78,445	80,349	82,020	83,078	82,276	83,694	81,644
Hillsborough County Total	600,171	620,101	649,449	688,993	730,251	755,599	674,094

Employee Compensation

Division	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*	Average Employee Compensation*
0 - Agriculture	146.528	140.588	142.677	149.350	137.885	148.636	144.277
1 - Mining	0.403	0.270	0.378	0.943	0.488	5.332	1.302
1 - Construction	916.536	1,032.430	1,100.227	1,189.933	864.445	969.788	1,012.227
2 & 3 - Manufacturing	1,273.388	1,312.764	1,385.370	1,425.271	1,201.961	1,347.047	1,324.300
4 - Trans&Pub Util	1,100.097	1,188.328	1,259.488	1,329.623	1,297.547	1,285.322	1,243.401
5 - Trade	3,235.690	3,464.552	3,476.740	3,872.408	3,024.893	3,233.401	3,384.614
6 - FIRE	1,447.026	1,621.104	1,852.975	1,955.602	1,963.154	2,094.668	1,822.422
7 & 8 - Services	4,862.604	5,318.292	6,018.124	6,713.337	5,348.695	5,871.006	5,688.676
9 - Other	2,851.853	2,991.426	3,230.231	3,389.189	3,427.915	3,623.651	3,252.378
Hillsborough County Total	15,834.123	17,069.753	18,466.214	20,025.665	17,266.986	18,578.863	17,873.601

Value-Added

Division	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*	Average Value Added*
0 - Agriculture	368.738	381.434	391.245	404.425	473.022	504.326	420.532
1 - Mining	0.802	0.500	0.695	1.748	1.114	12.635	2.916
1 - Construction	1,238.134	1,318.565	1,398.404	1,598.029	1,242.935	1,395.801	1,365.311
2 & 3 - Manufacturing	2,033.270	2,034.734	2,126.500	2,394.977	2,097.056	2,425.965	2,185.417
4 - Trans&Pub Util	2,827.345	2,826.389	2,989.537	3,306.760	3,177.483	3,020.564	3,024.680
5 - Trade	5,442.466	5,785.443	5,940.440	6,719.652	5,284.880	5,474.497	5,774.563
6 - FIRE	5,363.322	5,731.485	6,151.919	6,618.997	6,425.695	6,993.093	6,214.085
7 & 8 - Services	6,326.696	6,950.673	7,771.746	8,719.396	7,127.904	7,730.040	7,437.743
9 - Other	3,197.030	3,551.177	3,718.619	4,093.070	4,136.183	4,306.546	3,833.771
Hillsborough County Total	26,797.799	28,580.387	30,489.106	33,857.059	29,966.266	31,863.454	30,259.012

*Millions of dollars (nominal)

The measures of Employee Compensation per Worker and Value-Added per Worker provide insight into the economic well-being of workers and the global competitiveness as measured by productivity. As economic development goals, increases in both measures are positive outcomes. Industries with high levels of either measure may be construed as desirable targets for expansion.

A measure of the diversity of wages across industry sectors is the annual amount of Employee Compensation per Worker. Growth in this measure is a desirable goal from an economic development perspective, because the measure is also a determinant in workers' economic well-being. Increases in Employee Compensation per Worker promote a growing economy by placing more disposable income in workers' hands.

Table ES-2 presents the annual average and annualized percent change in Employee Compensation per Worker for each division of the economy. Finance, Insurance, and Real Estate (FIRE), and Manufacturing exhibited increases in Employee Compensation per Worker during the period.

Table ES-2
Growth in Employee Compensation per Worker

Division	1995-2000 Arithmetic Average Annual % Change
0 - Agriculture	-2.45%
1 - Mining	-6.78%
1 - Construction	-2.52%
2 & 3 - Manufacturing	0.59%
4 - Trans&Pub Util	-1.49%
5 - Trade	-0.90%
6 - FIRE	2.63%
7 & 8 - Services	-2.77%
 Hillsborough County Total	 -0.96%

In terms of the Employee Compensation per Worker amount, Ball and Roller Bearings and Drugs rank overall as the two highest among all individual industry groups in Hillsborough County during the period of this study. Both of these manufacturing groups ranked first in at least one year. However, total employment in each of these industry groups is less than 100 employees. Industries with low levels of employment tend to experience declines in productivity as growth occurs. Significant growth in industry groups with low levels of employment also tends to result in lower Employment Compensation per Worker. For the purpose of this summary, we have chosen the level of over 100 employees in a particular industry group as the cutoff, however, results for smaller industries are in the body of the report.

Table ES-3 presents the ten highest-ranking industry groups, with more than 100 employees, in terms of the level of Employment Compensation per Worker. Several of these industry groups are in the manufacturing division, while others are service-related.

**Table ES-3
Employment Compensation per Worker, Top 10 Industries with over 100 Employees**

Division	IMPLAN		1995 Rank	1996 Rank	1997 Rank	1998 Rank	1999 Rank	2000 Rank	Total	Total	6-year Average Employment
	Sector	Industry Group							6-year Score	6-year Rank	
Services	486	Commercial Sports Except Racing	4	5	10	6	7	5	37	3	1412
Manufacturing	254	Blast Furnaces and Steel Mills	9	4	4	9	8	12	46	4	159
Manufacturing	91	Malt Beverages	7	3	3	32	5	11	61	5	147
Trans&Pub Util	433	Railroads and Related Services	13	9	11	8	15	20	76	6	740
FIRE	458	Security and Commodity Brokers	24	23	9	10	12	10	88	7	2723
Manufacturing	246	Gypsum Products	18	10	16	26	11	9	90	8	527
Manufacturing	273	Metal Cans	12	11	14	11	26	27	101	9	373
Manufacturing	407	Surgical and Medical Instrument	26	19	20	16	16	15	112	10	272
Trans&Pub Util	443	Electric Services	15	17	18	17	25	31	123	12	2517
Manufacturing	212	Asphalt Felts and Coatings	19	14	27	37	39	13	149	16	202

A measure of competitiveness in a global economy is the annual amount of Value-Added per Worker. When viewed across industry sectors, the level of individual industry Value-Added per Worker relative to other industries in the regional economy can be used to rank industries within the region. A high level of this measure in a particular industry indicates workers are highly productive relative to workers in industries with low levels of this measure. Growth in this measure is a desirable goal from an economic development perspective, because growth in the measure indicates an increase in productivity, and hence potential competitiveness in the global economy. **Table ES-4** presents annual average and annualized percent change over the period for this measure. Agriculture, Manufacturing, and FIRE exhibit increases in Value-Added per worker during the period.

**Table ES-4
Growth in Value-Added per Worker**

Division	1995-2000 Arithmetic Average Annual % Change
0 - Agriculture	3.80%
1 - Mining	-2.58%
1 - Construction	-1.61%
2 & 3 - Manufacturing	3.08%
4 - Trans&Pub Util	-3.22%
5 - Trade	-0.79%
6 - FIRE	0.46%
7 & 8 - Services	-2.69%
Hillsborough County Total	-0.79%

Increases in Value-Added per Worker denote a growing economy by promoting the formation and growth of industry clusters, which by definition agglomerate due to, and in order to facilitate increasing, competitive advantage. Industries with high levels of

this measure become targets for expansion. Growth in industries which produce readily-exportable products provide an increased inflow of outside resources to the region. Growth in industries that produce locally-consumed products causes decreased outflow of local resources that would normally go to import the goods or services. In terms of total value-added per worker amount, **Table ES-5** indicates that Malt Beverages and Electric Services rank overall as the two highest among all individual industry groups during the study period. The former produces a readily-exportable product, while the latter normally produces a locally consumed product. By this measure, both industries should be considered as economic development targets for expansion.

**Table ES-5
Value-Added per Worker, Top 10 Industries with over 100 Employees**

Division	IMPLAN		1995 Rank	1996 Rank	1997 Rank	1998 Rank	1999 Rank	2000 Rank	Summary Score	Overall Rank	6-Year Average Employment
	Sector	Industry Group									
Manufacturing	91	Malt Beverages	1	1	2	7	2	3	16	1	147
Trans&Pub Util	443	Electric Services	2	2	3	4	4	6	21	2	2517
Manufacturing	212	Asphalt Felts and Coatings	4	4	6	5	10	2	31	3	202
Trans&Pub Util	444	Gas Production and Distribution	8	9	14	8	14	19	72	7	279
Manufacturing	211	Paving Mixtures and Blocks	10	10	8	12	22	11	73	8	161
Trans&Pub Util	441	Communications, Except Radio and TV	9	8	12	13	19	28	89	10	7371
FIRE	462	Real Estate	12	12	13	15	20	27	99	11	13136
Services	486	Commercial Sports Except Racing	31	21	32	18	17	14	133	14	1412
FIRE	456	Banking	24	17	19	21	32	23	136	15	8437
Manufacturing	254	Blast Furnaces and Steel Mills	37	19	22	32	26	26	162	18	159

In Hillsborough County in the year 2000, a variety of manufacturing industry groups, which employed very few workers each, ranked high in terms of value-added per worker. Generally, industry groups that employed many workers do not rank high in terms of this productivity measure. Similarly, only a few industry groups that produce a high level of output rank high in this productivity measure. For example, the most productive industry group in 2000 was Pipe Lines, except Natural Gas, but this group only had, on average during the year, six jobs in Hillsborough County and a total output of \$11.15 million.

Our finding indicates that as industry groups get larger in terms of jobs and output, value-added per worker declines. The finding is consistent with the economic principle that a firm optimally produces up to the point where marginal cost equals marginal revenue. Typically, industry groups with relatively few jobs achieve higher wages and productivity.

Industry Structure and Global Competitiveness

Hillsborough County, Florida, 1995 through 2000

Introduction.

The purpose of this study is to examine recent historical trends in industry structure and identify the level of global competitiveness in Hillsborough County, Florida.

Section 1 of the study focuses on the evolution of certain key measures of the Hillsborough County economy during the years 1995 through 2000, inclusive. For this study, we used economic baseline information for each year from the *IMPLAN Professional*TM regional economic impact model to develop data tables and formulate the analysis. IMPLAN is a widely used Input-Output (I-O) economic analysis program that uses national input-output tables and patterns of trade flows to develop economic data down to the county level. The IMPLAN model consists of 528 sectors, each associated with one or more industry or other economic variable. A bridge between IMPLAN sectors and associated 4-digit 1987 Standard Industry Classification (SIC) as well as 6-digit 1997 North American Industrial Classification System (NAICS) codes is in **Appendix A**.

We performed analysis of recent historical trends for three key measures of the Hillsborough County economy: Employment, Employee Compensation, and Value-Added. Analysis of each measure is presented individually in separate sections of this study. For each measure, we first aggregated IMPLAN results to the 1-digit SIC division level for gross analysis. Then we sorted baseline results to analyze yearly trends in total amount and percentage growth. We developed a ranking system to present the top 25 industry sectors in terms of annual amount of each measure. Complete tables of Employment, Employee Compensation, and Value-Added baseline IMPLAN results for all 528 sectors included in **Appendix B**. Baseline IMPLAN results of Output in all 528 sectors is also included in Appendix B.

In addition, measures of wages and productivity follow from the three key measures. Employee Compensation per Worker is an indication of the diversity of wages across the various sectors of the Hillsborough County economy. This measure also portends the comparative economic well-being of employees between various industries. Value-Added per Worker is a measure of productivity within the various sectors of the Hillsborough County economy. Productivity measures are often used to gauge regional competitiveness. Analysis of these calculated measures of wages and productivity is presented following the key measure upon which the calculated measure is based.

Our efforts to correlate, through time, Employee Compensation per Worker and Value-Added per Worker with output in each industry were not fruitful. Because our study covers 1995 – 2000, a maximum of six data points is possible. In many instances, however, there are fewer than six points, because an industry is not classified as operating in Hillsborough County in all years. Furthermore, Minnesota IMPLAN Group, Inc. tells us that in order to create county-level data consistent with available state and national data, they must make estimates when non-disclosure rules (usually when there are fewer than three firms in an industry) deny the actual data to them. The estimation process can cause the data sets to exhibit variations from year-to-year that may not reflect an actual change in a countywide economic structure.

Section 2 of the study examines the level of global competitiveness of industry groups in Hillsborough County in the year 2000. Using the measure of Value-Added per Worker obtained in Section 1, additional focus and analysis of leading industry groups is performed for the year 2000.

Section 1 – Industry Structure

Employment.

The number of individuals employed within the various industries in Hillsborough County during the period between 1995 to 2000 is analyzed next. At the most basic level of industry analysis, the 1-digit SIC level, the measure of Employment has followed historical trends throughout the period. **Table 1** indicates Employment numbers and growth rates at the 1-digit SIC (division) level in Hillsborough County in each year. At this level, the leading industry divisions in terms of actual employment numbers are consistently Services, Trade, and Public Administration in each year.

Table 1
Panel A
1-Digit SIC Employment

Division	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment	Average Employment
0 - Agriculture	15,624	13,288	14,422	15,944	16,575	18,242	15,683
1 - Mining	12	11	13	33	17	245	55
1 - Construction	34,085	36,484	37,990	40,005	42,024	43,669	39,043
2 & 3 - Manufacturing	37,431	37,236	38,438	38,699	38,635	39,213	38,275
4 - Trans&Pub Util	28,913	29,249	31,214	33,151	34,808	36,638	32,329
5 - Trade	135,512	140,609	141,054	143,308	144,665	146,888	142,006
6 - FIRE	50,167	52,493	54,637	61,186	63,878	64,385	57,791
7 & 8 - Services	219,982	230,387	249,659	273,596	307,371	322,629	267,271
9 - Public Admin	78,445	80,349	82,020	83,078	82,276	83,694	81,644
Hillsborough County Total	600,171	620,101	649,449	688,993	730,251	755,599	674,094

Panel B
1-Digit SIC Employment Growth

Division	Annual % Change					Average Annual %	1995-2000 Annualized %
	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	Change	Change
0 - Agriculture	-14.95%	8.53%	10.55%	3.96%	10.06%	3.63%	3.15%
1 - Mining	-8.33%	18.18%	153.85%	-48.48%	1341.18%	291.28%	82.81%
1 - Construction	7.04%	4.13%	5.30%	5.05%	3.91%	5.09%	5.08%
2 & 3 - Manufacturing	-0.52%	3.23%	0.68%	-0.17%	1.50%	0.94%	0.93%
4 - Trans&Pub Util	1.16%	6.72%	6.21%	5.00%	5.26%	4.87%	4.85%
5 - Trade	3.76%	0.32%	1.60%	0.95%	1.54%	1.63%	1.63%
6 - FIRE	4.64%	4.08%	11.99%	4.40%	0.79%	5.18%	5.12%
7 & 8 - Services	4.73%	8.37%	9.59%	12.34%	4.96%	8.00%	7.96%
9 - Public Admin	2.43%	2.08%	1.29%	-0.97%	1.72%	1.31%	1.30%
Hillsborough County Total	3.32%	4.73%	6.09%	5.99%	3.47%	4.72%	4.71%

In terms of growth rates of employment, the trends are somewhat mixed and are confused by the extreme cyclical nature of the Mining division. Discounting the Mining division, the Services and FIRE divisions produced the highest overall annualized growth rates in employment for the period, followed closely by Construction.

Table 2
Total Employment Rankings

Ten Top-Ranking Industries Based on 1995 Employment Amount			
Implan Sector	Industry	1995 Employment	Percent of 1995 Hillsborough County Total
474	Personnel Supply Services	68,606	11.43%
447	Wholesale Trade	38,307	6.38%
454	Eating & Drinking	31,419	5.24%
523	State & Local Government - Non-Education	26,923	4.49%
522	State & Local Government - Education	25,923	4.32%
455	Miscellaneous Retail	19,771	3.29%
492	Hospitals	16,412	2.73%
450	Food Stores	15,726	2.62%
490	Doctors and Dentists	12,675	2.11%
48	New Residential Structures	12,063	2.01%
Hillsborough County Total		600,171	

Ten Top-Ranking Industries Based on 1998 Employment Amount			
Implan Sector	Industry	1998 Employment	Percent of 1998 Hillsborough County Total
474	Personnel Supply Services	95,163	13.81%
447	Wholesale Trade	40,012	5.81%
454	Eating & Drinking	32,566	4.73%
522	State & Local Government - Education	30,808	4.47%
455	Miscellaneous Retail	24,004	3.48%
523	State & Local Government - Non-Education	23,686	3.44%
450	Food Stores	15,690	2.28%
492	Hospitals	14,999	2.18%
459	Insurance Carriers	14,534	2.11%
48	New Residential Structures	14,099	2.05%
Hillsborough County Total		688,993	

Ten Top-Ranking Industries Based on 1996 Employment Amount			
Implan Sector	Industry	1996 Employment	Percent of 1996 Hillsborough County Total
474	Personnel Supply Services	68,802	11.10%
447	Wholesale Trade	37,465	6.04%
454	Eating & Drinking	34,235	5.52%
523	State & Local Government - Non-Education	26,570	4.28%
522	State & Local Government - Education	25,823	4.16%
455	Miscellaneous Retail	21,925	3.54%
450	Food Stores	15,790	2.55%
492	Hospitals	14,969	2.41%
490	Doctors and Dentists	13,337	2.15%
48	New Residential Structures	12,880	2.08%
Hillsborough County Total		620,101	

Ten Top-Ranking Industries Based on 1999 Employment Amount			
Implan Sector	Industry	1999 Employment	Percent of 1999 Hillsborough County Total
474	Personnel Supply Services	114,998	15.75%
447	Wholesale Trade	39,558	5.42%
454	Eating & Drinking	34,141	4.68%
522	State & Local Government - Education	30,533	4.18%
455	Miscellaneous Retail	23,323	3.19%
523	State & Local Government - Non-Education	23,296	3.19%
492	Hospitals	18,491	2.53%
450	Food Stores	15,395	2.11%
459	Insurance Carriers	15,066	2.06%
457	Credit Agencies	15,036	2.06%
Hillsborough County Total		730,251	

Ten Top-Ranking Industries Based on 1997 Employment Amount			
Implan Sector	Industry	1997 Employment	Percent of 1997 Hillsborough County Total
474	Personnel Supply Services	80,087	12.33%
447	Wholesale Trade	39,482	6.08%
522	State & Local Government - Education	32,840	5.06%
454	Eating & Drinking	32,661	5.03%
455	Miscellaneous Retail	22,892	3.52%
523	State & Local Government - Non-Education	20,876	3.21%
450	Food Stores	14,543	2.24%
492	Hospitals	14,418	2.22%
48	New Residential Structures	13,398	2.06%
490	Doctors and Dentists	13,219	2.04%
Hillsborough County Total		649,449	

Ten Top-Ranking Industries Based on 2000 Employment Amount			
Implan Sector	Industry	2000 Employment	Percent of 2000 Hillsborough County Total
474	Personnel Supply Services	125,593	16.62%
447	Wholesale Trade	40,937	5.42%
454	Eating & Drinking	32,997	4.37%
522	State & Local Government - Education	31,469	4.16%
455	Miscellaneous Retail	23,950	3.17%
523	State & Local Government - Non-Education	23,820	3.15%
492	Hospitals	17,390	2.30%
457	Credit Agencies	17,114	2.26%
450	Food Stores	16,619	2.20%
48	New Residential Structures	15,378	2.04%
Hillsborough County Total		755,599	

Next, we view similar information at a more refined level, the 528 industry sector level of the IMPLAN baseline. The ten highest-ranking IMPLAN sectors, as measured by employment, in each year are shown in **Table 2**.

We see in Table 2 that Personnel Supply Services and Wholesale Trade are consistently the highest-ranking industries in each year in terms of employment numbers. Various sectors in Public Administration, Services, and Trade fluctuate in rank from year to year, yet are consistently present in the top ten.

Table 3 shows the twenty-five overall highest-ranking IMPLAN industries, based on total employment numbers in each year. The individual industry rankings in each year were totaled, then ranked for the overall structure during the period. The broad diversity of industries in this top 25 list excludes any manufacturing sectors.

Table 3
Overall Top 25 Industries based on Employment

Industry	1995 Employment Rank	1996 Employment Rank	1997 Employment Rank	1998 Employment Rank	1999 Employment Rank	2000 Employment Rank	Total 6-year Score	Total 6-year Rank
474 Personnel Supply Services	1	1	1	1	1	1	6	1
447 Wholesale Trade	2	2	2	2	2	2	12	2
454 Eating & Drinking	3	3	4	3	3	3	19	3
522 State & Local Government - Education	5	5	3	4	4	4	25	4
455 Miscellaneous Retail	6	6	5	5	5	5	32	5
523 State & Local Government - Non-Education	4	4	6	6	6	6	32	5
492 Hospitals	7	8	8	8	7	7	45	6
450 Food Stores	8	7	7	7	8	9	46	7
48 New Residential Structures	10	10	9	10	11	10	60	8
490 Doctors and Dentists	9	9	10	11	13	12	64	9
459 Insurance Carriers	12	12	11	9	9	13	66	10
462 Real Estate	11	11	12	12	12	11	69	11
457 Credit Agencies	13	16	15	14	10	8	76	12
475 Computer and Data Processing Services	16	13	13	13	14	14	83	13
451 Automotive Dealers & Service Stations	15	15	16	17	16	17	96	14
449 General Merchandise Stores	14	14	14	19	19	19	99	15
506 Engineering, Architectural Services	18	21	18	24	18	18	117	16
435 Motor Freight Transport and Warehousing	17	20	20	16	20	24	117	16
56 Maintenance and Repair Other Facilities	21	19	19	22	21	21	123	17
488 Amusement and Recreation Services, N.E.C.	24	29	29	18	15	15	130	18
520 Federal Government - Non-Military	28	17	17	21	24	25	132	19
456 Banking	26	22	21	15	22	26	132	19
460 Insurance Agents and Brokers	19	18	22	23	28	28	138	20
494 Legal Services	22	23	23	26	23	22	139	21
508 Management and Consulting Services	29	30	26	25	17	16	143	22
507 Accounting, Auditing and Bookkeeping	23	25	28	30	26	20	152	23
519 Federal Government - Military	20	24	25	27	30	30	156	24
441 Communications, Except Radio and TV	30	31	27	29	25	23	165	25
470 Other Business Services	34	26	24	20	29	32	165	25

Table 4 shows the ten highest-ranking IMPLAN industries, based on year-to-year growth rates in Employment. These growth rates are based on the year to year total number of employees in each sector. High growth in this measure is a sign that significant industry expansion is taking place. Leading sectors shown in Table 4 vary from year to year, with no discernible pattern. However, a number of the leading sectors from year to year are manufacturing sectors, which indicates that economic diversification initiatives are having an effect.

Table 4
Growth in Employment

Ten Top-Ranking Industries Based on 1995-1996 Growth in Employment		
Implan Sector Industry	Growth Rate 1995-1996	Growth Rate as a Multiple of Hillsborough County Rate
318 Machine Tools, Metal Cutting Types	800.00%	241
148 Wood Household Furniture	633.33%	191
122 Cordage and Twine	500.00%	151
303 Pipe, Valves, and Pipe Fittings	425.00%	128
419 Dolls	400.00%	120
424 Marking Devices	377.78%	114
355 Transformers	358.33%	108
236 Structural Clay Products, N.E.C	350.00%	105
205 Adhesives and Sealants	333.33%	100
420 Games, Toys, and Childrens Vehicles	300.00%	90
Hillsborough County Total	3.32%	

Ten Top-Ranking Industries Based on 1998-1999 Growth in Employment		
Implan Sector Industry	Growth Rate 1998-1999	Growth Rate as a Multiple of Hillsborough County Rate
24 Forestry Products	1666.67%	278
278 Hardware, N.E.C.	1650.00%	276
403 Mechanical Measuring Devices	500.00%	83
180 Manifold Business Forms	364.29%	61
145 Wood Preserving	332.00%	55
226 Luggage	300.00%	50
325 Metalworking Machinery, N.E.C.	300.00%	50
251 Mineral Wool	280.00%	47
303 Pipe, Valves, and Pipe Fittings	193.22%	32
385 Truck and Bus Bodies	168.00%	28
Hillsborough County Total	5.99%	

Ten Top-Ranking Industries Based on 1996-1997 Growth in Employment		
Implan Sector Industry	Growth Rate 1996-1997	Growth Rate as a Multiple of Hillsborough County Rate
13 Hay and Pasture	135.21%	29
117 Carpets and Rugs	100.00%	21
211 Paving Mixtures and Blocks	94.37%	20
22 Forest Products	90.00%	19
483 Motion Pictures	89.31%	19
9 Miscellaneous Livestock	86.13%	18
4 Range Fed Cattle	76.47%	16
3 Ranch Fed Cattle	72.90%	15
212 Asphalt Felts and Coatings	64.24%	14
7 Hogs, Pigs and Swine	61.54%	13
Hillsborough County Total	4.73%	

Ten Top-Ranking Industries Based on 1999-2000 Growth in Employment		
Implan Sector Industry	Growth Rate 1999-2000	Growth Rate as a Multiple of Hillsborough County Rate
231 Glass Containers	2175.00%	627
47 Misc. Nonmetallic Minerals, N.E.C.	1400.00%	403
40 Dimension Stone	1300.00%	375
44 Phosphate Rock	966.67%	278
41 Sand and Gravel	700.00%	202
248 Abrasive Products	600.00%	173
126 Housefurnishings, N.E.C	500.00%	144
321 Special Dies and Tools and Accessories	322.22%	93
338 General Industrial Machinery, N.E.C	300.00%	86
307 Steam Engines and Turbines	200.00%	58
Hillsborough County Total	3.47%	

Ten Top-Ranking Industries Based on 1997-1998 Growth in Employment		
Implan Sector Industry	Growth Rate 1997-1998	Growth Rate as a Multiple of Hillsborough County Rate
129 Pleating and Stitching	1566.67%	257
333 Ball and Roller Bearings	600.00%	99
391 Aircraft and Missile Equipment,	550.00%	90
329 Printing Trades Machinery	500.00%	82
41 Sand and Gravel	460.00%	76
108 Broadwoven Fabric Mills and Finishing	400.00%	66
47 Misc. Nonmetallic Minerals, N.E.C.	400.00%	66
399 Transportation Equipment, N.E.C	314.29%	52
140 Structural Wood Members, N.E.C	268.27%	44
409 Dental Equipment and Supplies	250.00%	41
Hillsborough County Total	6.09%	

Ten Top-Ranking Industries Based on Six-Year Average Growth in Employment		
Implan Sector Industry	Six-Year Avg Growth Rate	Growth Rate as a Multiple of Hillsborough County Rate
231 Glass Containers	2175.00%	461
44 Phosphate Rock	966.67%	205
126 Housefurnishings, N.E.C	500.00%	106
40 Dimension Stone	400.00%	85
278 Hardware, N.E.C.	326.14%	69
47 Misc. Nonmetallic Minerals, N.E.C.	325.67%	69
129 Pleating and Stitching	324.80%	69
24 Forestry Products	318.18%	67
41 Sand and Gravel	280.18%	59
307 Steam Engines and Turbines	200.00%	42
Hillsborough County Total	4.72%	

Employee Compensation.

Employee Compensation is the total payroll costs of each industry in the region. It includes the wages and salaries of workers who are paid by employers, as well as benefits such as health and life insurance, retirement payments, and non-cash compensation. Employee Compensation is one component of Value-Added, and is derived from ES-202 and REIS data.

At the most basic level of industry analysis, the 1-digit SIC level, the measure of Employee Compensation has followed historical trends throughout the period. **Table 5** indicates Employee Compensation amounts and growth rates at the 1-digit SIC (division) level in Hillsborough County in each year. At this level, the leading industry divisions in terms of actual employee compensation dollar amounts are consistently Services, Public Administration, and Trade in each year.

**Table 5
Panel A
1-Digit SIC Employee Compensation**

Division	1995	1996	1997	1998	1999	2000	Average
	Employee Compensation*	Employee Compensation*	Employee Compensation*	Employee Compensation*	Employee Compensation*	Employee Compensation*	Employee Compensation*
0 - Agriculture	146.528	140.588	142.677	149.350	137.885	148.636	144.277
1 - Mining	0.403	0.270	0.378	0.943	0.488	5.332	1.302
1 - Construction	916.536	1,032.430	1,100.227	1,189.933	864.445	969.788	1,012.227
2 & 3 - Manufacturing	1,273.388	1,312.764	1,385.370	1,425.271	1,201.961	1,347.047	1,324.300
4 - Trans&Pub Util	1,100.097	1,188.328	1,259.488	1,329.623	1,297.547	1,285.322	1,243.401
5 - Trade	3,235.690	3,464.552	3,476.740	3,872.408	3,024.893	3,233.401	3,384.614
6 - FIRE	1,447.026	1,621.104	1,852.975	1,955.602	1,963.154	2,094.668	1,822.422
7 & 8 - Services	4,862.604	5,318.292	6,018.124	6,713.337	5,348.695	5,871.006	5,688.676
9 - Public Admin	2,851.853	2,991.426	3,230.231	3,389.189	3,427.915	3,623.651	3,252.378
Hillsborough County Total	15,834.123	17,069.753	18,466.214	20,025.665	17,266.986	18,578.863	17,873.601

*Millions of dollars

**Panel B
1-Digit SIC Employee Compensation Growth**

Division	Annual % Change					Average Annual % Change	1995-2000 Annualized % Change
	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000		
	0 - Agriculture	-4.05%	1.49%	4.68%	-7.68%		
1 - Mining	-33.00%	40.00%	149.47%	-48.25%	992.62%	220.17%	67.62%
1 - Construction	12.64%	6.57%	8.15%	-27.35%	12.19%	2.44%	1.14%
2 & 3 - Manufacturing	3.09%	5.53%	2.88%	-15.67%	12.07%	1.58%	1.13%
4 - Trans&Pub Util	8.02%	5.99%	5.57%	-2.41%	-0.94%	3.24%	3.16%
5 - Trade	7.07%	0.35%	11.38%	-21.89%	6.89%	0.76%	-0.01%
6 - FIRE	12.03%	14.30%	5.54%	0.39%	6.70%	7.79%	7.68%
7 & 8 - Services	9.37%	13.16%	11.55%	-20.33%	9.77%	4.70%	3.84%
9 - Public Admin	4.89%	7.98%	4.92%	1.14%	5.71%	4.93%	4.91%
Hillsborough County Total	7.80%	8.18%	8.44%	-13.78%	7.60%	3.65%	3.25%

In terms of growth rates of employee compensation, the trends are somewhat mixed and are confused by the extreme cyclical nature of the Mining division. Discounting the Mining division, the FIRE and Public Administration divisions produced the highest overall annualized growth rates in employee compensation for the period.

Next, we view similar information at a more refined level, the 528 industry sector level of the IMPLAN baseline. The ten highest-ranking IMPLAN sectors, as measured by employee compensation, in each year are shown in **Table 6**.

Table 6
Total Employee Compensation Rankings

Ten Top-Ranking Industries Based on 1995 Employee Compensation Amount			1995	Percent of 1995
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,634.753	10.32%	
523	State & Local Government - Non-Education	958.602	6.05%	
474	Personnel Supply Services	844.204	5.33%	
522	State & Local Government - Education	787.054	4.97%	
490	Doctors and Dentists	647.470	4.09%	
459	Insurance Carriers	528.210	3.34%	
492	Hospitals	482.322	3.05%	
475	Computer and Data Processing Services	403.259	2.55%	
494	Legal Services	393.490	2.49%	
454	Eating & Drinking	393.322	2.48%	
Hillsborough County Total		15,834.123		

Ten Top-Ranking Industries Based on 1998 Employee Compensation Amount			1998	Percent of 1998
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,808.572	9.03%	
474	Personnel Supply Services	1,375.112	6.87%	
522	State & Local Government - Education	1,121.920	5.60%	
523	State & Local Government - Non-Education	971.168	4.85%	
475	Computer and Data Processing Services	723.311	3.61%	
490	Doctors and Dentists	704.749	3.52%	
459	Insurance Carriers	527.087	2.63%	
455	Miscellaneous Retail	525.942	2.63%	
492	Hospitals	485.117	2.42%	
454	Eating & Drinking	469.574	2.34%	
Hillsborough County Total		20,025.665		

Ten Top-Ranking Industries Based on 1996 Employee Compensation Amount			1996	Percent of 1996
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,646.126	9.64%	
523	State & Local Government - Non-Education	977.693	5.73%	
474	Personnel Supply Services	907.112	5.31%	
522	State & Local Government - Education	811.328	4.75%	
490	Doctors and Dentists	684.004	4.01%	
475	Computer and Data Processing Services	552.227	3.24%	
459	Insurance Carriers	545.596	3.20%	
492	Hospitals	481.946	2.82%	
454	Eating & Drinking	432.297	2.53%	
455	Miscellaneous Retail	416.537	2.44%	
Hillsborough County Total		17,069.753		

Ten Top-Ranking Industries Based on 1999 Employee Compensation Amount			1999	Percent of 1999
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,378.303	7.98%	
522	State & Local Government - Education	1,126.831	6.53%	
523	State & Local Government - Non-Education	971.389	5.63%	
474	Personnel Supply Services	945.559	5.48%	
459	Insurance Carriers	788.166	4.56%	
490	Doctors and Dentists	561.825	3.25%	
475	Computer and Data Processing Services	552.370	3.20%	
492	Hospitals	480.440	2.78%	
519	Federal Government - Military	449.030	2.60%	
520	Federal Government - Non-Military	442.974	2.57%	
Hillsborough County Total		17,266.986		

Ten Top-Ranking Industries Based on 1997 Employee Compensation Amount			1997	Percent of 1997
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,742.646	9.44%	
522	State & Local Government - Education	1,326.931	7.19%	
474	Personnel Supply Services	1,061.544	5.75%	
475	Computer and Data Processing Services	745.955	4.04%	
490	Doctors and Dentists	673.282	3.65%	
523	State & Local Government - Non-Education	654.520	3.54%	
459	Insurance Carriers	601.963	3.26%	
492	Hospitals	455.061	2.46%	
494	Legal Services	449.821	2.44%	
519	Federal Government - Military	426.420	2.31%	
Hillsborough County Total		18,466.214		

Ten Top-Ranking Industries Based on 2000 Employee Compensation Amount			2000	Percent of 2000
Implan Sector	Industry Group	Employee Compensation*	Hillsborough County Total	
447	Wholesale Trade	1,487.767	8.01%	
522	State & Local Government - Education	1,206.317	6.49%	
474	Personnel Supply Services	1,199.120	6.45%	
523	State & Local Government - Non-Education	1,034.681	5.57%	
459	Insurance Carriers	803.420	4.32%	
490	Doctors and Dentists	575.491	3.10%	
457	Credit Agencies	468.462	2.52%	
492	Hospitals	467.731	2.52%	
520	Federal Government - Non-Military	459.914	2.48%	
475	Computer and Data Processing Services	459.291	2.47%	
Hillsborough County Total		18,578.863		

*Millions of dollars

Similar to some trends noticed with Employment, we see in Table 6 that Wholesale Trade is consistently the highest-ranking industry in each year in terms of employee compensation amount. Various sectors in Public Administration fluctuate in rank from year to year, yet are consistently present in the top ten. Notably, Personnel Supply Services consistently ranks high. This sector includes executive search firms, temporary and permanent employment agencies, and employee leasing firms. Its consistently high ranking indicates a large number of people employed directly by these types of firms in the county. High-income sectors complete the top ten, varying from year to year between doctors, lawyers, insurance carriers, and other FIRE or Services sectors.

Table 7
Overall Top 25 Industries based on Employee Compensation

Industry	1995 Employee Compensation Rank	1996 Employee Compensation Rank	1997 Employee Compensation Rank	1998 Employee Compensation Rank	1999 Employee Compensation Rank	2000 Employee Compensation Rank	Total 6-year Score	Total 6-year Rank	6-year Average Employment
447 Wholesale Trade	1	1	1	1	1	1	6	1	39294
522 State & Local Government - Education	4	4	2	3	2	2	17	2	29566
474 Personnel Supply Services	3	3	3	2	4	3	18	3	92208
523 State & Local Government - Non-Education	2	2	6	4	3	4	21	4	24195
490 Doctors and Dentists	5	5	5	6	6	6	33	5	13482
459 Insurance Carriers	6	7	7	7	7	5	37	6	13388
475 Computer and Data Processing Services	8	6	4	5	7	10	40	7	11874
492 Hospitals	7	8	8	9	8	8	48	8	16113
454 Eating & Drinking	10	9	13	10	11	12	65	9	33003
519 Federal Government - Military	12	12	10	11	9	11	65	9	7481
520 Federal Government - Non-Military	11	11	12	13	10	9	66	10	8268
455 Miscellaneous Retail	15	10	11	8	14	14	72	11	22644
441 Communications, Except Radio and TV	13	13	14	16	13	13	82	12	7371
494 Legal Services	9	23	9	12	15	15	83	13	8142
457 Credit Agencies	17	18	15	15	12	7	84	14	12128
451 Automotive Dealers & Service Stations	14	14	17	17	17	18	97	15	9565
456 Banking	22	15	16	14	16	17	100	16	8437
513 U.S. Postal Service	18	17	20	21	18	20	114	17	4686
506 Engineering, Architectural Services	16	19	19	19	21	21	115	18	8698
48 New Residential Structures	19	16	18	18	23	23	117	19	13768
450 Food Stores	20	20	24	24	20	19	127	20	15627
56 Maintenance and Repair Other Facilities	21	21	21	20	26	26	135	21	8531
507 Accounting, Auditing and Bookkeeping	33	22	22	22	24	16	139	22	7649
508 Management and Consulting Services	24	25	23	23	22	22	139	22	8124
437 Air Transportation	25	24	25	26	19	25	144	23	6231
435 Motor Freight Transport and Warehousing	23	26	28	25	28	30	160	24	8860
458 Security and Commodity Brokers	32	30	26	28	27	24	167	25	2723

Table 7 shows the twenty-five overall highest-ranking IMPLAN industries, based on total employee compensation in each year. The individual industry rankings in each year were totaled, then ranked for the overall structure during the period. Similar to the trend noticed with Employment, the broad diversity of industries in this top 25 list excludes any manufacturing sectors.

Table 8 shows the ten highest-ranking IMPLAN industries, based on year-to-year growth rates in Employee Compensation. These growth rates are based on the year to year total amounts of employee compensation in each sector. High growth in this measure is a sign that more employees are being hired, that individual compensation is increasing, or a combination of the two. Leading sectors shown in Table 8 vary from year to year, with no discernible pattern.

Table 8
Growth in Employee Compensation

Ten Top-Ranking Industries Based on 1995-1996 Growth in Employee Compensation			
Implan Sector	Industry	Growth Rate 1995-1996	Growth Rate as a Multiple of Hillsborough County Rate
	57 Maintenance and Repair Oil and Gas Wells	7941.67%	1018
	148 Wood Household Furniture	2911.11%	373
	122 Cordage and Twine	1450.00%	186
	318 Machine Tools, Metal Cutting Types	1009.68%	129
	419 Dolls	925.00%	119
	424 Marking Devices	639.05%	82
	303 Pipe, Valves, and Pipe Fittings	628.50%	81
	112 Knit Outerwear Mills	587.50%	75
	236 Structural Clay Products, N.E.C	522.63%	67
	355 Transformers	460.36%	59
	Hillsborough County Total	7.80%	

Ten Top-Ranking Industries Based on 1998-1999 Growth in Employee Compensation			
Implan Sector	Industry	Growth Rate 1998-1999	Growth Rate as a Multiple of Hillsborough County Rate
	24 Forestry Products	3212.90%	-233
	278 Hardware, N.E.C.	894.63%	-65
	180 Manifold Business Forms	611.81%	-44
	67 Canned Fruits and Vegetables	374.34%	-27
	403 Mechanical Measuring Devices	291.67%	-21
	145 Wood Preserving	182.50%	-13
	226 Luggage	179.41%	-13
	251 Mineral Wool	166.67%	-12
	303 Pipe, Valves, and Pipe Fittings	159.79%	-12
	404 Instruments To Measure Electricity	151.65%	-11
	Hillsborough County Total	-13.78%	

Ten Top-Ranking Industries Based on 1996-1997 Growth in Employee Compensation			
Implan Sector	Industry	Growth Rate 1996-1997	Growth Rate as a Multiple of Hillsborough County Rate
	13 Hay and Pasture	171.79%	21
	9 Miscellaneous Livestock	127.82%	16
	22 Forest Products	116.67%	14
	494 Legal Services	109.93%	13
	4 Range Fed Cattle	102.15%	12
	3 Ranch Fed Cattle	99.35%	12
	239 Fine Earthenware Food Utensils	90.91%	11
	211 Paving Mixtures and Blocks	88.53%	11
	483 Motion Pictures	83.89%	10
	7 Hogs, Pigs and Swine	81.13%	10
	Hillsborough County Total	8.18%	

Ten Top-Ranking Industries Based on 1999-2000 Growth in Employee Compensation			
Implan Sector	Industry	Growth Rate 1999-2000	Growth Rate as a Multiple of Hillsborough County Rate
	231 Glass Containers	6353.85%	836
	248 Abrasive Products	2116.67%	279
	57 Maintenance and Repair Oil and Gas Wells	2011.43%	265
	40 Dimension Stone	1138.89%	150
	47 Misc. Nonmetallic Minerals, N.E.C.	1085.71%	143
	44 Phosphate Rock	1022.73%	135
	41 Sand and Gravel	1010.29%	133
	126 Housefurnishings, N.E.C	635.29%	84
	307 Steam Engines and Turbines	380.00%	50
	338 General Industrial Machinery, N.E.C	339.74%	45
	Hillsborough County Total	7.60%	

Ten Top-Ranking Industries Based on 1997-1998 Growth in Employee Compensation			
Implan Sector	Industry	Growth Rate 1997-1998	Growth Rate as a Multiple of Hillsborough County Rate
	129 Pleating and Stitching	2344.68%	278
	333 Ball and Roller Bearings	1223.43%	145
	391 Aircraft and Missile Equipment,	936.96%	111
	41 Sand and Gravel	620.18%	73
	47 Misc. Nonmetallic Minerals, N.E.C.	542.11%	64
	191 Plastics Materials and Resins	483.81%	57
	195 Drugs	465.54%	55
	209 Chemical Preparations, N.E.C	456.85%	54
	329 Printing Trades Machinery	443.28%	52
	140 Structural Wood Members, N.E.C	427.98%	51
	Hillsborough County Total	8.44%	

Ten Top-Ranking Industries Based on Six-Year Average Growth in Employee Compensation			
Implan Sector	Industry	Six-Year Avg Growth Rate	Growth Rate as a Multiple of Hillsborough County Rate
	231 Glass Containers	6353.85%	1741
	57 Maintenance and Repair Oil and Gas Wells	1951.69%	535
	44 Phosphate Rock	1022.73%	280
	126 Housefurnishings, N.E.C	635.29%	174
	24 Forestry Products	624.50%	171
	148 Wood Household Furniture	573.31%	157
	248 Abrasive Products	508.10%	139
	129 Pleating and Stitching	483.12%	132
	41 Sand and Gravel	394.70%	108
	307 Steam Engines and Turbines	380.00%	104
	Hillsborough County Total	3.65%	

Employee Compensation per Worker.

A measure of the diversity of wages across industry sectors can be found by dividing the total Employee Compensation amount for each sector by the contrasting Employment number for the same sector. The result is the annual amount of Employee Compensation per Worker. At the most basic level of industry analysis, the 1-digit SIC level, the measure of Employee Compensation per Worker is indicated in **Table 9** for the years 1995 through 2000, inclusive. Hillsborough County Employee Compensation per Worker amounts and growth rates, at the 1-digit SIC (division) level, are shown for each year. At this level, the leading industry divisions in terms of amount of annual employee compensation per worker vary between Transportation and Public Utilities and Public Administration from year to year.

Table 9
Panel A
1-Digit SIC Employee Compensation per Worker

Division	1995 Annual Employee Compensation per Worker	1996 Annual Employee Compensation per Worker	1997 Annual Employee Compensation per Worker	1998 Annual Employee Compensation per Worker	1999 Annual Employee Compensation per Worker	2000 Annual Employee Compensation per Worker	Average Annual Employee Compensation per Worker
0 - Agriculture	\$ 9,378	\$ 10,580	\$ 9,893	\$ 9,367	\$ 8,319	\$ 8,148	\$ 9,281
1 - Mining	\$ 33,583	\$ 24,545	\$ 29,077	\$ 28,576	\$ 28,706	\$ 21,763	\$ 27,708
1 - Construction	\$ 26,890	\$ 28,298	\$ 28,961	\$ 29,745	\$ 20,570	\$ 22,208	\$ 26,112
2 & 3 - Manufacturing	\$ 34,020	\$ 35,255	\$ 36,042	\$ 36,830	\$ 31,111	\$ 34,352	\$ 34,601
4 - Trans&Pub Util	\$ 38,049	\$ 40,628	\$ 40,350	\$ 40,108	\$ 37,277	\$ 35,082	\$ 38,582
5 - Trade	\$ 23,878	\$ 24,640	\$ 24,648	\$ 27,022	\$ 20,910	\$ 22,013	\$ 23,852
6 - FIRE	\$ 28,844	\$ 30,882	\$ 33,914	\$ 31,962	\$ 30,733	\$ 32,533	\$ 31,478
7 & 8 - Services	\$ 22,105	\$ 23,084	\$ 24,105	\$ 24,537	\$ 17,401	\$ 18,197	\$ 21,572
9 - Public Admin	\$ 36,355	\$ 37,230	\$ 39,383	\$ 40,795	\$ 41,664	\$ 43,296	\$ 39,787
Hillsborough County Total	\$ 26,383	\$ 27,527	\$ 28,434	\$ 29,065	\$ 23,645	\$ 24,588	\$ 26,607

*Millions of dollars

Panel B
1-Digit SIC Employee Compensation per Worker

Division	Annual % Change					Average Annual % Change	1995-2000 Annualized % Change
	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000		
0 - Agriculture	12.81%	-6.49%	-5.32%	-11.19%	-2.05%	-2.45%	-2.77%
1 - Mining	-26.91%	18.46%	-1.72%	0.46%	-24.19%	-6.78%	-8.31%
1 - Construction	5.24%	2.34%	2.71%	-30.84%	7.96%	-2.52%	-3.75%
2 & 3 - Manufacturing	3.63%	2.23%	2.19%	-15.53%	10.42%	0.59%	0.19%
4 - Trans&Pub Util	6.78%	-0.68%	-0.60%	-7.06%	-5.89%	-1.49%	-1.61%
5 - Trade	3.19%	0.04%	9.63%	-22.62%	5.28%	-0.90%	-1.61%
6 - FIRE	7.07%	9.82%	-5.76%	-3.84%	5.86%	2.63%	2.44%
7 & 8 - Services	4.43%	4.42%	1.79%	-29.08%	4.57%	-2.77%	-3.82%
9 - Public Admin	2.41%	5.78%	3.58%	2.13%	3.92%	3.56%	3.56%
Hillsborough County Total	4.34%	3.29%	2.22%	-18.65%	3.99%	-0.96%	-1.40%

In terms of growth rates of annual employee compensation per worker, the trends are somewhat mixed and are confused by the apparent extreme cyclical nature of several divisions. For the period, the Public Administration and FIRE divisions produced the highest overall annualized growth rates in annual employee compensation per worker.

Note that several divisions, as well as the overall Hillsborough County economy, experienced negative annualized growth rates for this measure over the period.

Next, we view similar information at a more refined level, the 528 industry sector level of the IMPLAN baseline. The ten highest-ranking IMPLAN sectors, as measured by employee compensation per worker, in each year are shown in **Table 10**.

Table 10
Employee Compensation per Worker Rankings

Ten Top-Ranking Industries		
Based on 1995 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	1995 EmpComp per Worker Percent of 1995 Hillsborough County Average
189	Inorganic Chemicals Nec.	\$ 188,859 715.84%
205	Adhesives and Sealants	\$ 102,000 386.62%
333	Ball and Roller Bearings	\$ 91,750 347.77%
486	Commercial Sports Except Racing	\$ 77,055 292.07%
187	Industrial Gases	\$ 75,800 287.31%
195	Drugs	\$ 73,667 279.22%
91	Malt Beverages	\$ 72,207 273.69%
190	Cyclic Crudes, Interm. & Indus. Org. Chem.	\$ 71,000 269.12%
254	Blast Furnaces and Steel Mills	\$ 70,203 266.09%
383	Electrical Equipment, N.E.C.	\$ 69,501 263.43%
	Hillsborough County Average	\$ 26,383

Ten Top-Ranking Industries		
Based on 1998 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	1998 EmpComp per Worker Percent of 1998 Hillsborough County Average
195	Drugs	\$ 822,423 2829.59%
333	Ball and Roller Bearings	\$ 338,893 1165.98%
205	Adhesives and Sealants	\$ 114,903 395.33%
176	Book Publishing	\$ 107,149 368.65%
396	Complete Guided Missiles	\$ 96,800 333.05%
486	Commercial Sports Except Racing	\$ 94,946 326.67%
187	Industrial Gases	\$ 89,333 307.36%
433	Railroads and Related Services	\$ 77,114 265.32%
254	Blast Furnaces and Steel Mills	\$ 74,803 257.36%
458	Security and Commodity Brokers	\$ 74,108 254.97%
	Hillsborough County Average	\$ 29,065

Ten Top-Ranking Industries		
Based on 1996 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	1996 EmpComp per Worker Percent of 1996 Hillsborough County Average
333	Ball and Roller Bearings	\$ 185,000 672.06%
396	Complete Guided Missiles	\$ 127,000 461.36%
91	Malt Beverages	\$ 103,491 375.96%
254	Blast Furnaces and Steel Mills	\$ 85,532 310.72%
486	Commercial Sports Except Racing	\$ 83,042 301.67%
77	Dog, Cat, and Other Pet Food	\$ 79,500 288.80%
72	Flour and Other Grain Mill Products	\$ 75,750 275.18%
195	Drugs	\$ 72,488 263.33%
433	Railroads and Related Services	\$ 68,792 249.90%
246	Gypsum Products	\$ 67,053 243.59%
	Hillsborough County Average	\$ 27,527

Ten Top-Ranking Industries		
Based on 1999 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	1999 EmpComp per Worker Percent of 1999 Hillsborough County Average
333	Ball and Roller Bearings	\$ 349,286 1477.19%
218	Gaskets, Packing and Sealing Devices	\$ 192,000 812.00%
195	Drugs	\$ 112,659 476.45%
438	Pipe Lines, Except Natural Gas	\$ 103,500 437.72%
91	Malt Beverages	\$ 102,946 435.38%
72	Flour and Other Grain Mill Products	\$ 99,333 420.10%
486	Commercial Sports Except Racing	\$ 99,126 419.22%
254	Blast Furnaces and Steel Mills	\$ 81,563 344.94%
176	Book Publishing	\$ 78,192 330.69%
404	Instruments To Measure Electricity	\$ 76,222 322.36%
	Hillsborough County Average	\$ 23,645

Ten Top-Ranking Industries		
Based on 1997 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	1997 EmpComp per Worker Percent of 1997 Hillsborough County Average
333	Ball and Roller Bearings	\$ 179,250 630.41%
396	Complete Guided Missiles	\$ 134,500 473.03%
91	Malt Beverages	\$ 106,135 373.27%
254	Blast Furnaces and Steel Mills	\$ 85,731 301.51%
72	Flour and Other Grain Mill Products	\$ 82,143 288.89%
77	Dog, Cat, and Other Pet Food	\$ 80,500 283.12%
36	Metal Ores, Not Elsewhere Classified	\$ 76,000 267.29%
195	Drugs	\$ 75,620 265.95%
458	Security and Commodity Brokers	\$ 75,602 265.89%
486	Commercial Sports Except Racing	\$ 72,801 256.04%
	Hillsborough County Average	\$ 28,434

Ten Top-Ranking Industries		
Based on 2000 Annual Employee Compensation per Worker Amount		
Implan Sector	Industry	2000 EmpComp per Worker Percent of 2000 Hillsborough County Average
438	Pipe Lines, Except Natural Gas	\$ 245,000 996.41%
57	Maintenance and Repair Oil and Gas Wells	\$ 184,750 751.37%
333	Ball and Roller Bearings	\$ 170,267 692.47%
72	Flour and Other Grain Mill Products	\$ 131,333 534.13%
486	Commercial Sports Except Racing	\$ 115,168 468.39%
331	Special Industry Machinery N.E.C.	\$ 111,764 454.54%
195	Drugs	\$ 106,679 433.86%
404	Instruments To Measure Electricity	\$ 103,404 420.54%
246	Gypsum Products	\$ 102,933 418.63%
458	Security and Commodity Brokers	\$ 101,936 414.57%
	Hillsborough County Average	\$ 24,588

We see in Table 10 that primarily manufacturing-related sectors are consistently the highest-ranking industries in each year in terms of annual employee compensation per

worker. Various sectors in the Transportation and Public Utilities, FIRE, and Services divisions fluctuate in and out of the top ten.

Table 11 shows the twenty-five overall highest-ranking IMPLAN industries, based on total annual employee compensation per worker in each year. The individual industry rankings in each year were totaled, then ranked for the overall structure during the period. In contrast to the trends noticed with employee compensation, the broad diversity of industries in this top 25 list includes several manufacturing sectors.

Table 11
Overall Top 25 Industries based on Employment Compensation per Worker

Industry	1995	1996	1997	1998	1999	2000	Total	Total	6-year
	EC/Worker Rank	EC/Worker Rank	EC/Worker Rank	EC/Worker Rank	EC/Worker Rank	EC/Worker Rank	6-year Score	6-year Rank	Average Employment
333 Ball and Roller Bearings	3	1	1	2	1	3	11	1	12
195 Drugs	6	8	8	1	3	7	33	2	42
486 Commercial Sports Except Racing	4	5	10	6	7	5	37	3	1412
254 Blast Furnaces and Steel Mills	9	4	4	9	8	12	46	4	159
91 Malt Beverages	7	3	3	32	5	11	61	5	147
72 Flour and Other Grain Mill Products	20	7	5	34	6	4	76	6	15
433 Railroads and Related Services	13	9	11	8	15	20	76	6	740
458 Security and Commodity Brokers	24	23	9	10	12	10	88	7	2723
246 Gypsum Products	18	10	16	26	11	9	90	8	527
273 Metal Cans	12	11	14	11	26	27	101	9	373
407 Surgical and Medical Instrument	26	19	20	16	16	15	112	10	272
176 Book Publishing	29	26	30	4	9	18	116	11	74
443 Electric Services	15	17	18	17	25	31	123	12	2517
187 Industrial Gases	5	27	22	7	34	37	132	13	7
205 Adhesives and Sealants	2	32	32	3	48	16	133	14	26
218 Gaskets, Packing and Sealing Devices	74	15	13	21	2	14	139	15	18
212 Asphalt Felts and Coatings	19	14	27	37	39	13	149	16	202
290 Iron and Steel Forgings	27	34	36	14	13	26	150	17	73
383 Electrical Equipment, N.E.C.	10	12	15	12	58	52	159	18	455
513 U.S. Postal Service	25	30	37	28	24	23	167	19	4686
331 Special Industry Machinery N.E.C.	39	35	39	47	22	6	188	20	196
519 Federal Government - Military	52	38	38	24	21	24	197	21	7481
202 Nitrogenous and Phosphatic Fertilizers	21	29	35	36	50	54	225	22	1380
211 Paving Mixtures and Blocks	16	18	24	62	65	46	231	23	161
444 Gas Production and Distribution	35	44	42	22	46	51	240	24	279
520 Federal Government - Non-Military	14	47	49	55	37	43	245	25	8268

Table 12 shows the ten highest-ranking IMPLAN industries, based on year-to-year growth rates in Employment Compensation per Worker. These growth rates are based on the year to year total number of employees and total compensation in each

Table 12
Growth in Employee Compensation per Worker

Ten Top-Ranking Industries Based on 1995-1996 Growth in Employee Compensation per Worker			
Implan Sector	Industry	Growth Rate 1995-1996	Growth Rate as a Multiple of Hillsborough County Rate
	57 Maintenance and Repair Oil and Gas Wells	3526.63%	813
	112 Knit Outerwear Mills	587.50%	135
	109 Narrow Fabric Mills	375.00%	86
	148 Wood Household Furniture	310.61%	72
	396 Complete Guided Missiles	167.93%	39
	226 Luggage	163.64%	38
	122 Cordage and Twine	158.33%	36
	25 Commercial Fishing	126.90%	29
	419 Dolls	105.00%	24
	24 Forestry Products	104.86%	24
	Hillsborough County Total	4.34%	

Ten Top-Ranking Industries Based on 1998-1999 Growth in Employee Compensation per Worker			
Implan Sector	Industry	Growth Rate 1998-1999	Growth Rate as a Multiple of Hillsborough County Rate
	67 Canned Fruits and Vegetables	240.93%	-13
	218 Gaskets, Packing and Sealing Devices	214.24%	-11
	108 Broadwoven Fabric Mills and Finishing	150.00%	-8
	66 Canned Specialties	137.70%	-7
	24 Forestry Products	87.52%	-5
	91 Malt Beverages	86.63%	-5
	72 Flour and Other Grain Mill Products	82.98%	-4
	502 Other Nonprofit Organizations	82.72%	-4
	79 Bread, Cake, and Related Products	77.48%	-4
	68 Dehydrated Food Products	75.42%	-4
	Hillsborough County Total	-18.65%	

Ten Top-Ranking Industries Based on 1996-1997 Growth in Employee Compensation per Worker			
Implan Sector	Industry	Growth Rate 1996-1997	Growth Rate as a Multiple of Hillsborough County Rate
	494 Legal Services	97.45%	30
	47 Misc. Nonmetallic Minerals, N.E.C.	46.15%	14
	194 Organic Fibers, Noncellulosic	36.76%	11
	248 Abrasive Products	30.00%	9
	522 State & Local Government - Education	28.60%	9
	239 Fine Earthenware Food Utensils	27.27%	8
	458 Security and Commodity Brokers	24.22%	7
	109 Narrow Fabric Mills	22.81%	7
	9 Miscellaneous Livestock	22.40%	7
	329 Printing Trades Machinery	21.54%	7
	Hillsborough County Total	3.29%	

Ten Top-Ranking Industries Based on 1999-2000 Growth in Employee Compensation per Worker			
Implan Sector	Industry	Growth Rate 1999-2000	Growth Rate as a Multiple of Hillsborough County Rate
	57 Maintenance and Repair Oil and Gas Wells	28932.14%	7255
	248 Abrasive Products	216.67%	54
	231 Glass Containers	183.69%	46
	146 Reconstituted Wood Products	146.42%	37
	209 Chemical Preparations, N.E.C	139.32%	35
	438 Pipe Lines, Except Natural Gas	136.71%	34
	375 Electron Tubes	100.00%	25
	420 Games, Toys, and Childrens Vehicles	90.00%	23
	331 Special Industry Machinery N.E.C.	86.73%	22
	212 Asphalt Felts and Coatings	83.86%	21
	Hillsborough County Total	3.99%	

Ten Top-Ranking Industries Based on 1997-1998 Growth in Employee Compensation per Worker			
Implan Sector	Industry	Growth Rate 1997-1998	Growth Rate as a Multiple of Hillsborough County Rate
	195 Drugs	987.57%	445
	325 Metalworking Machinery, N.E.C.	123.81%	56
	205 Adhesives and Sealants	98.58%	44
	191 Plastics Materials and Resins	94.60%	43
	310 Lawn and Garden Equipment	90.48%	41
	333 Ball and Roller Bearings	89.06%	40
	340 Computer Storage Devices	84.93%	38
	176 Book Publishing	82.42%	37
	483 Motion Pictures	69.98%	32
	209 Chemical Preparations, N.E.C	64.40%	29
	Hillsborough County Total	2.22%	

Ten Top-Ranking Industries Based on Six-Year Average Growth in Employee Compensation per Worker			
Implan Sector	Industry	Six-Year Avg Growth Rate	Growth Rate as a Multiple of Hillsborough County Rate
	57 Maintenance and Repair Oil and Gas Wells	6452.38%	-6711
	195 Drugs	179.74%	-187
	112 Knit Outerwear Mills	97.14%	-101
	438 Pipe Lines, Except Natural Gas	63.33%	-66
	109 Narrow Fabric Mills	53.25%	-55
	148 Wood Household Furniture	53.01%	-55
	67 Canned Fruits and Vegetables	50.52%	-53
	24 Forestry Products	45.82%	-48
	248 Abrasive Products	43.62%	-45
	218 Gaskets, Packing and Sealing Devices	42.72%	-44
	Hillsborough County Total	-0.96%	

sector. High growth in this measure is a sign of a tight labor market. Leading sectors shown in Table 12 vary from year to year, with no discernible pattern. However, a number of the leading sectors from year to year are manufacturing sectors, which indicates that economic diversification initiatives are having an effect.

Value-Added.

Value-added is the value of output minus the cost of inputs to the industry production process. Value-added can also be thought of as employee compensation plus profits.

At the most basic level of industry analysis, the 1-digit SIC level, the measure of value-added has generally followed historical trends throughout the period. **Table 13** indicates value-added amounts and growth rates at the 1-digit SIC (division) level in each year. At this level, the leading industry divisions in terms of actual value-added dollar amounts are consistently Services, FIRE, and Trade in each year. In terms of growth rates of value-added, the trends are somewhat mixed and are confused by the extreme cyclical nature of the Mining division. It is interesting to note, discounting the Mining division, that the Agriculture and Public Administration divisions produced the highest overall growth rates in value-added for the period. This means that either wages and/or profits went up faster than in other divisions, or that input costs declined faster than other divisions.

Table 13
Panel A
1-Digit SIC Value-Added

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*	Average Value Added*
0 - Agriculture	368.738	381.434	391.245	404.425	473.022	504.326	420.532
1 - Mining	0.802	0.500	0.695	1.748	1.114	12.635	2.916
1 - Construction	1,238.134	1,318.565	1,398.404	1,598.029	1,242.935	1,395.801	1,365.311
2 & 3 - Manufacturing	2,033.270	2,034.734	2,126.500	2,394.977	2,097.056	2,425.965	2,185.417
4 - Trans&Pub Util	2,827.345	2,826.389	2,989.537	3,306.760	3,177.483	3,020.564	3,024.680
5 - Trade	5,442.466	5,785.443	5,940.440	6,719.652	5,284.880	5,474.497	5,774.563
6 - FIRE	5,363.322	5,731.485	6,151.919	6,618.997	6,425.695	6,993.093	6,214.085
7 & 8 - Services	6,326.696	6,950.673	7,771.746	8,719.396	7,127.904	7,730.040	7,437.743
9 - Public Admin	3,197.030	3,551.177	3,718.619	4,093.070	4,136.183	4,306.546	3,833.771
Hillsborough County Total	26,797.799	28,580.387	30,489.106	33,857.059	29,966.266	31,863.454	30,259.012

*Millions of dollars

Panel B
1-Digit SIC Value-Added Growth

Industry	Annual % Change					Average Annual % Change	1995-2000 Annualized % Change
	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000		
0 - Agriculture	3.44%	2.57%	3.37%	16.96%	6.62%	6.59%	6.46%
1 - Mining	-37.66%	39.00%	151.51%	-36.27%	1034.20%	230.16%	73.57%
1 - Construction	6.50%	6.05%	14.28%	-22.22%	12.30%	3.38%	2.43%
2 & 3 - Manufacturing	0.07%	4.51%	12.63%	-12.44%	15.68%	4.09%	3.59%
4 - Trans&Pub Util	-0.03%	5.77%	10.61%	-3.91%	-4.94%	1.50%	1.33%
5 - Trade	6.30%	2.68%	13.12%	-21.35%	3.59%	0.87%	0.12%
6 - FIRE	6.86%	7.34%	7.59%	-2.92%	8.83%	5.54%	5.45%
7 & 8 - Services	9.86%	11.81%	12.19%	-18.25%	8.45%	4.81%	4.09%
9 - Public Admin	11.08%	4.72%	10.07%	1.05%	4.12%	6.21%	6.14%
Hillsborough County Total	6.65%	6.68%	11.05%	-11.49%	6.33%	3.84%	3.52%

Note that both the 1999 and 2000 Hillsborough County Total value added amounts are less than the 1998 amount. We suspect there are discontinuities in the IMPLAN data for 1999 and 2000 that cause this anomaly. The anomaly is most pronounced almost equally in the Trade and Services divisions. We have confirmed via other sources that the total amounts of value added in 1999 and 2000 should both be higher than the total amount in 1998. An attempt is currently being made to rectify this suspected data inconsistency, however, resolution has not been completed at this time.

Next, we view similar information at a more refined level, the 528 industry sector level of the IMPLAN baseline. The ten highest-ranking IMPLAN sectors, as measured by value-added, in each year are shown in **Table 14**.

Table 14
Total Value Added Rankings

Ten Top-Ranking Industries Based on 1995 Value-Added Amount			
Implan Sector	Industry	1995 Total Value Added*	Percent of 1995 Hillsborough County Total
447	Wholesale Trade	2,901.320	10.83%
462	Real Estate	1,832.518	6.84%
461	Owner-occupied Dwellings	1,336.408	4.99%
523	State & Local Government - Non-Education	1,056.744	3.94%
474	Personnel Supply Services	1,033.427	3.86%
441	Communications, Except Radio and TV	960.252	3.58%
459	Insurance Carriers	921.190	3.44%
522	State & Local Government - Education	867.632	3.24%
490	Doctors and Dentists	790.694	2.95%
443	Electric Services	787.783	2.94%
Hillsborough County Total		26,797.799	

Ten Top-Ranking Industries Based on 1998 Value-Added Amount			
Implan Sector	Industry	1998 Total Value Added*	Percent of 1998 Hillsborough County Total
447	Wholesale Trade	3,277.714	9.68%
462	Real Estate	1,934.245	5.71%
474	Personnel Supply Services	1,585.797	4.68%
461	Owner-occupied Dwellings	1,375.153	4.06%
456	Banking	1,247.062	3.68%
523	State & Local Government - Non-Education	1,237.880	3.66%
441	Communications, Except Radio and TV	1,124.831	3.32%
522	State & Local Government - Education	1,121.920	3.31%
455	Miscellaneous Retail	931.875	2.75%
475	Computer and Data Processing Services	927.423	2.74%
Hillsborough County Total		33,857.059	

Ten Top-Ranking Industries Based on 1996 Value-Added Amount			
Implan Sector	Industry	1996 Total Value Added*	Percent of 1996 Hillsborough County Total
447	Wholesale Trade	2,881.803	10.08%
462	Real Estate	1,915.202	6.70%
523	State & Local Government - Non-Education	1,196.386	4.19%
461	Owner-occupied Dwellings	1,191.067	4.17%
474	Personnel Supply Services	1,114.554	3.90%
441	Communications, Except Radio and TV	1,054.177	3.69%
459	Insurance Carriers	996.482	3.49%
490	Doctors and Dentists	834.153	2.92%
456	Banking	829.560	2.90%
522	State & Local Government - Education	811.328	2.84%
Hillsborough County Total		28,580.387	

Ten Top-Ranking Industries Based on 1999 Value-Added Amount			
Implan Sector	Industry	1999 Total Value Added*	Percent of 1999 Hillsborough County Total
447	Wholesale Trade	2,482.623	8.28%
462	Real Estate	1,730.205	5.77%
461	Owner-occupied Dwellings	1,444.677	4.82%
459	Insurance Carriers	1,441.220	4.81%
523	State & Local Government - Non-Education	1,246.601	4.16%
474	Personnel Supply Services	1,141.420	3.81%
522	State & Local Government - Education	1,126.831	3.76%
441	Communications, Except Radio and TV	1,072.111	3.58%
456	Banking	909.527	3.04%
443	Electric Services	851.742	2.84%
Hillsborough County Total		29,966.266	

Ten Top-Ranking Industries Based on 1997 Value-Added Amount			
Implan Sector	Industry	1997 Total Value Added*	Percent of 1997 Hillsborough County Total
447	Wholesale Trade	3,087.299	10.13%
462	Real Estate	1,903.623	6.24%
522	State & Local Government - Education	1,326.931	4.35%
461	Owner-occupied Dwellings	1,299.646	4.26%
474	Personnel Supply Services	1,282.846	4.21%
441	Communications, Except Radio and TV	1,104.322	3.62%
459	Insurance Carriers	1,085.102	3.56%
456	Banking	974.054	3.19%
475	Computer and Data Processing Services	956.539	3.14%
490	Doctors and Dentists	815.152	2.67%
Hillsborough County Total		30,489.106	

Ten Top-Ranking Industries Based on 2000 Value-Added Amount			
Implan Sector	Industry	2000 Total Value Added*	Percent of 2000 Hillsborough County Total
447	Wholesale Trade	2,554.181	8.02%
461	Owner-occupied Dwellings	1,811.008	5.68%
462	Real Estate	1,670.164	5.24%
474	Personnel Supply Services	1,438.796	4.52%
459	Insurance Carriers	1,396.759	4.38%
523	State & Local Government - Non-Education	1,334.727	4.19%
522	State & Local Government - Education	1,206.317	3.79%
456	Banking	1,111.008	3.49%
441	Communications, Except Radio and TV	1,078.732	3.39%
519	Federal Government - Military	776.886	2.44%
Hillsborough County Total		31,863.454	

*Millions of dollars

From Table 14, we see that Wholesale Trade is consistently the highest-ranking industry in each year. Value-added in Wholesale Trade is generated primarily by the markup by middlemen. Real Estate, a sector for which value-added includes brokerage fees and commissions, is also consistently high-ranked, indicating a substantial amount of trading is taking place yearly. The sector “Owner-occupied Dwellings” generates value-added by homeowner investment in improvements to property and/or by increases in profits from residential real estate trading. The fact that this sector is consistently high-ranked could indicate that residents of Hillsborough County take a great deal of pride in home ownership and perform significant amounts of residential improvement, such that property values consistently increase. Alternately, demand for real estate in Hillsborough County may be pushing property values upward, with the effect of increasing the profit portion of value-added in this sector. Either scenario helps explain at least a portion of the growth rate in Public Administration mentioned above - higher real estate values generate more (perhaps unexpected) ad valorem taxes.

Another sector that consistently ranks high in annual amounts of value-added is Personnel Supply Services. This sector includes executive search firms, temporary and permanent employment agencies, and employee leasing firms. Value-added in this sector is generated by employee compensation and profits, as in all other sectors, yet here the product is solely the work effort.

Table 15 shows the twenty-five overall highest-ranking IMPLAN industries, based on total value-added in each year. The individual industry rankings in each year were totaled, then ranked for the overall structure during the period. Notably, the broad diversity of industries in this top 25 list excludes any manufacturing sectors.

Table 15
Overall Top 25 Industries based on Value-Added

Implan Sector	Industry	1995	1996	1997	1998	1999	2000	Total	Total	6-year
		Value Added Rank	Value Added Rank	Value Added Rank	Value Added Rank	Value Added Rank	Value Added Rank	6-year Score	6-year Rank	Average Employment
447	Wholesale Trade	1	1	1	1	1	1	6	1	39294
462	Real Estate	2	2	2	2	2	3	13	2	13136
461	Owner-occupied Dwellings	3	4	4	4	3	2	20	3	0
474	Personnel Supply Services	5	5	5	3	6	4	28	4	92208
523	State & Local Government - Non-Education	4	3	11	6	5	6	35	5	24195
459	Insurance Carriers	7	7	7	11	4	5	41	6	13388
441	Communications, Except Radio and TV	6	6	6	7	8	9	42	7	7371
522	State & Local Government - Education	8	10	3	8	7	7	43	8	29566
456	Banking	11	9	8	5	9	8	50	9	8437
490	Doctors and Dentists	9	8	10	13	13	12	65	10	13482
443	Electric Services	10	13	12	12	10	11	68	11	2517
475	Computer and Data Processing Services	15	11	9	10	12	15	72	12	11874
455	Miscellaneous Retail	17	12	13	9	15	13	79	13	22644
519	Federal Government - Military	20	15	14	14	11	10	84	14	7481
454	Eating & Drinking	14	14	15	15	14	14	86	15	33003
492	Hospitals	13	16	17	19	16	16	97	16	16113
520	Federal Government - Non-Military	12	18	19	20	17	17	103	17	8268
451	Automotive Dealers & Service Stations	18	17	18	16	18	18	105	18	9565
494	Legal Services	16	26	16	18	20	21	117	19	8142
450	Food Stores	19	20	22	22	21	22	126	20	15627
457	Credit Agencies	29	19	20	17	22	19	126	20	12128
48	New Residential Structures	21	21	21	21	24	24	132	21	13768
435	Motor Freight Transport and Warehousing	23	22	24	23	25	29	146	22	8860
506	Engineering, Architectural Services	22	23	23	26	26	26	146	22	8698
437	Air Transportation	24	27	27	25	19	27	149	23	6231
507	Accounting, Auditing and Bookkeeping	36	25	26	24	23	20	154	24	7649
56	Maintenance and Repair Other Facilities	25	24	25	27	30	28	159	25	8531

Table 16 shows the ten highest-ranking IMPLAN industries, based on year-to-year growth rates in Value-Added. The trend most discernible in these rankings is that leading industries in Hillsborough County tend to grow sporadically, with no apparent consistency from year to year, at least in terms of growth in value-added.

Table 16
Growth in Value Added

Ten Top-Ranking Industries Based on 1995-1996 Growth in Value-Added		
Implan Sector Industry	Growth Rate 1995-1996	Growth Rate as a Multiple of Hillsborough County Rate
148 Wood Household Furniture	2948.39%	443
57 Maintenance and Repair Oil and Gas Wells	1898.70%	285
122 Cordage and Twine	1373.68%	207
318 Machine Tools, Metal Cutting Types	925.97%	139
419 Dolls	920.00%	138
424 Marking Devices	641.03%	96
112 Knit Outerwear Mills	600.00%	90
229 Leather Goods, N.E.C	567.31%	85
303 Pipe, Valves, and Pipe Fittings	551.24%	83
236 Structural Clay Products, N.E.C	517.61%	78
Hillsborough County Total	6.65%	

Ten Top-Ranking Industries Based on 1998-1999 Growth in Value-Added		
Implan Sector Industry	Growth Rate 1998-1999	Growth Rate as a Multiple of Hillsborough County Rate
24 Forestry Products	5496.64%	-478
278 Hardware, N.E.C.	949.48%	-83
180 Manifold Business Forms	613.90%	-53
67 Canned Fruits and Vegetables	408.60%	-36
403 Mechanical Measuring Devices	290.38%	-25
145 Wood Preserving	177.68%	-15
226 Luggage	176.83%	-15
303 Pipe, Valves, and Pipe Fittings	167.31%	-15
66 Canned Specialties	157.53%	-14
251 Mineral Wool	153.22%	-13
Hillsborough County Total	-11.49%	

Ten Top-Ranking Industries Based on 1996-1997 Growth in Value-Added		
Implan Sector Industry	Growth Rate 1996-1997	Growth Rate as a Multiple of Hillsborough County Rate
366 Household Appliances, N.E.C.	1173.71%	176
362 Household Refrigerators and Freezers	640.38%	96
63 Condensed and Evaporated Milk	195.45%	29
211 Paving Mixtures and Blocks	113.32%	17
13 Hay and Pasture	112.98%	17
235 Clay Refractories	108.49%	16
239 Fine Earthenware Food Utensils	102.44%	15
310 Lawn and Garden Equipment	86.76%	13
458 Security and Commodity Brokers	86.71%	13
494 Legal Services	85.87%	13
Hillsborough County Total	6.68%	

Ten Top-Ranking Industries Based on 1999-2000 Growth in Value-Added		
Implan Sector Industry	Growth Rate 1999-2000	Growth Rate as a Multiple of Hillsborough County Rate
231 Glass Containers	6547.14%	1034
248 Abrasive Products	2091.67%	330
40 Dimension Stone	1095.95%	173
47 Misc. Nonmetallic Minerals, N.E.C.	1079.71%	171
44 Phosphate Rock	1045.89%	165
41 Sand and Gravel	970.95%	153
126 Housefurnishings, N.E.C	575.86%	91
307 Steam Engines and Turbines	366.67%	58
338 General Industrial Machinery, N.E.C	329.39%	52
321 Special Dies and Tools and Accessories	273.45%	43
Hillsborough County Total	6.33%	

Ten Top-Ranking Industries Based on 1997-1998 Growth in Value-Added		
Implan Sector Industry	Growth Rate 1997-1998	Growth Rate as a Multiple of Hillsborough County Rate
129 Pleating and Stitching	1966.67%	178
391 Aircraft and Missile Equipment,	1260.50%	114
333 Ball and Roller Bearings	1030.58%	93
41 Sand and Gravel	602.82%	55
47 Misc. Nonmetallic Minerals, N.E.C.	578.38%	52
191 Plastics Materials and Resins	537.06%	49
140 Structural Wood Members, N.E.C	478.04%	43
195 Drugs	452.82%	41
209 Chemical Preparations, N.E.C	432.05%	39
399 Transportation Equipment, N.E.C	426.37%	39
Hillsborough County Total	11.05%	

Ten Top-Ranking Industries Based on Six-Year Average Growth in Value-Added		
Implan Sector Industry	Six-Year Avg Growth Rate	Growth Rate as a Multiple of Hillsborough County Rate
231 Glass Containers	6547.14%	1704
24 Forestry Products	1064.21%	277
44 Phosphate Rock	1045.89%	272
148 Wood Household Furniture	581.54%	151
126 Housefurnishings, N.E.C	575.86%	150
248 Abrasive Products	503.08%	131
129 Pleating and Stitching	408.66%	106
57 Maintenance and Repair Oil and Gas Wells	400.21%	104
41 Sand and Gravel	383.84%	100
307 Steam Engines and Turbines	366.67%	95
Hillsborough County Total	3.84%	

Value-Added per Worker.

A measure of the regional competitiveness across industry sectors can be found by dividing the total Value-Added amount for each sector by the Employment number for the same sector. The result is the annual amount of Value-Added per Worker. At the most basic level of industry analysis, the 1-digit SIC level, the measure of Value-Added per Worker is indicated in **Table 17** for the years 1995 through 2000, inclusive. Hillsborough County Value-Added per Worker amounts and growth rates, at the 1-digit SIC (division) level, are shown for each year. At this level, the leading industry divisions in terms of amount of annual value-added per worker are consistently FIRE and Transportation and Public Utilities.

Table 17
Panel A
1-Digit SIC Value-Added per Worker

Division	1995 Annual Value-Added per Worker	1996 Annual Value-Added per Worker	1997 Annual Value-Added per Worker	1998 Annual Value-Added per Worker	1999 Annual Value-Added per Worker	2000 Annual Value-Added per Worker	Average Annual Value-Added per Worker
0 - Agriculture	\$ 23,601	\$ 28,705	\$ 27,128	\$ 25,365	\$ 28,538	\$ 27,646	\$ 26,831
1 - Mining	\$ 66,833	\$ 45,455	\$ 53,462	\$ 52,970	\$ 65,529	\$ 51,571	\$ 55,970
1 - Construction	\$ 36,325	\$ 36,141	\$ 36,810	\$ 39,946	\$ 29,577	\$ 31,963	\$ 35,127
2 & 3 - Manufacturing	\$ 54,320	\$ 54,644	\$ 55,323	\$ 61,887	\$ 54,279	\$ 61,866	\$ 57,053
4 - Trans&Pub Util	\$ 97,788	\$ 96,632	\$ 95,776	\$ 99,748	\$ 91,286	\$ 82,443	\$ 93,946
5 - Trade	\$ 40,162	\$ 41,146	\$ 42,115	\$ 46,890	\$ 36,532	\$ 37,270	\$ 40,686
6 - FIRE	\$ 106,909	\$ 109,186	\$ 112,596	\$ 108,178	\$ 100,593	\$ 108,614	\$ 107,679
7 & 8 - Services	\$ 28,760	\$ 30,170	\$ 31,129	\$ 31,870	\$ 23,190	\$ 23,960	\$ 28,180
9 - Public Admin	\$ 40,755	\$ 44,197	\$ 45,338	\$ 49,268	\$ 50,272	\$ 51,456	\$ 46,881
Hillsborough County Total	\$ 44,650	\$ 46,090	\$ 46,946	\$ 49,140	\$ 41,036	\$ 42,170	\$ 45,005

*Millions of dollars

Panel B
1-Digit SIC Value-Added per Worker

Division	Annual % Change					Average Annual % Change	1995-2000 Annualized % Change
	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000		
0 - Agriculture	21.63%	-5.49%	-6.50%	12.51%	-3.13%	3.80%	3.21%
1 - Mining	-31.99%	17.62%	-0.92%	23.71%	-21.30%	-2.58%	-5.05%
1 - Construction	-0.51%	1.85%	8.52%	-25.96%	8.07%	-1.61%	-2.53%
2 & 3 - Manufacturing	0.60%	1.24%	11.87%	-12.29%	13.98%	3.08%	2.64%
4 - Trans&Pub Util	-1.18%	-0.89%	4.15%	-8.48%	-9.69%	-3.22%	-3.36%
5 - Trade	2.45%	2.36%	11.34%	-22.09%	2.02%	-0.79%	-1.48%
6 - FIRE	2.13%	3.12%	-3.92%	-7.01%	7.97%	0.46%	0.32%
7 & 8 - Services	4.90%	3.18%	2.38%	-27.24%	3.32%	-2.69%	-3.59%
9 - Public Admin	8.45%	2.58%	8.67%	2.04%	2.35%	4.82%	4.77%
Hillsborough County Total	3.22%	1.86%	4.67%	-16.49%	2.76%	-0.79%	-1.14%

In terms of growth rates of annual value-added per worker, the trends are somewhat mixed and are confused by the apparent extreme cyclical nature of several divisions. For the period, the Public Administration and Manufacturing divisions produced the highest overall annualized growth rates in annual employee compensation

per worker. Note that several divisions, as well as the overall Hillsborough County economy, experienced negative annualized growth rates for this measure over the period.

Next, we view similar information at a more refined level, the 528 industry sector level of the IMPLAN baseline. The ten highest-ranking IMPLAN sectors, as measured by value-added per worker amount, in each year are shown in **Table 18**.

Table 18
Value Added per Worker Rankings

Ten Top-Ranking Industries Based on 1995 Value-Added per Worker Amount			
Implan Sector	Industry Group	1995 Value Added per Worker	Percent of 1995 Hillsborough County Total
	91 Malt Beverages	\$ 337,720	756.37%
	443 Electric Services	\$ 316,506	708.86%
	189 Inorganic Chemicals Nec.	\$ 312,705	700.34%
	212 Asphalt Felts and Coatings	\$ 219,683	492.01%
	204 Agricultural Chemicals, N.E.C	\$ 200,385	448.79%
	205 Adhesives and Sealants	\$ 185,667	415.82%
	195 Drugs	\$ 182,556	408.86%
	444 Gas Production and Distribution	\$ 175,734	393.58%
	441 Communications, Except Radio and TV	\$ 175,037	392.02%
	211 Paving Mixtures and Blocks	\$ 164,711	368.89%
	Hillsborough County Total	\$ 44,650	

Ten Top-Ranking Industries Based on 1998 Value-Added per Worker Amount			
Implan Sector	Industry Group	1998 Value Added per Worker	Percent of 1998 Hillsborough County Total
	195 Drugs	\$ 1,668,885	3396.19%
	438 Pipe Lines, Except Natural Gas	\$ 414,529	843.57%
	333 Ball and Roller Bearings	\$ 401,357	816.76%
	443 Electric Services	\$ 348,039	708.26%
	212 Asphalt Felts and Coatings	\$ 280,809	571.45%
	105 Cigars	\$ 256,518	522.02%
	91 Malt Beverages	\$ 215,897	439.35%
	444 Gas Production and Distribution	\$ 192,868	392.49%
	176 Book Publishing	\$ 189,403	385.44%
	205 Adhesives and Sealants	\$ 188,048	382.68%
	Hillsborough County Total	\$ 49,140	

Ten Top-Ranking Industries Based on 1996 Value-Added per Worker Amount			
Implan Sector	Industry Group	1996 Value Added per Worker	Percent of 1996 Hillsborough County Total
	91 Malt Beverages	\$ 425,406	922.99%
	443 Electric Services	\$ 306,041	664.01%
	333 Ball and Roller Bearings	\$ 233,750	507.16%
	212 Asphalt Felts and Coatings	\$ 221,523	480.63%
	96 Flavoring Extracts and Syrups, N.E.C.	\$ 210,426	456.56%
	438 Pipe Lines, Except Natural Gas	\$ 208,073	451.45%
	204 Agricultural Chemicals, N.E.C	\$ 174,000	377.52%
	441 Communications, Except Radio and TV	\$ 172,533	374.34%
	444 Gas Production and Distribution	\$ 170,475	369.88%
	211 Paving Mixtures and Blocks	\$ 164,577	357.08%
	Hillsborough County Total	\$ 46,090	

Ten Top-Ranking Industries Based on 1999 Value-Added per Worker Amount			
Implan Sector	Industry Group	1999 Value Added per Worker	Percent of 1999 Hillsborough County Total
	438 Pipe Lines, Except Natural Gas	\$ 710,000	1730.21%
	91 Malt Beverages	\$ 420,568	1024.89%
	333 Ball and Roller Bearings	\$ 420,143	1023.85%
	443 Electric Services	\$ 292,393	712.54%
	218 Gaskets, Packing and Sealing Devices	\$ 248,000	604.35%
	195 Drugs	\$ 247,854	604.00%
	66 Canned Specialties	\$ 239,500	583.64%
	99 Roasted Coffee	\$ 216,038	526.47%
	105 Cigars	\$ 214,575	522.90%
	212 Asphalt Felts and Coatings	\$ 205,033	499.65%
	Hillsborough County Total	\$ 41,036	

Ten Top-Ranking Industries Based on 1997 Value-Added per Worker Amount			
Implan Sector	Industry Group	1997 Value Added per Worker	Percent of 1997 Hillsborough County Total
	366 Household Appliances, N.E.C.	\$ 743,000	1582.67%
	91 Malt Beverages	\$ 380,736	811.01%
	443 Electric Services	\$ 314,508	669.93%
	333 Ball and Roller Bearings	\$ 248,500	529.33%
	362 Household Refrigerators and Freezers	\$ 247,500	527.20%
	212 Asphalt Felts and Coatings	\$ 219,605	467.78%
	438 Pipe Lines, Except Natural Gas	\$ 207,267	441.50%
	211 Paving Mixtures and Blocks	\$ 180,630	384.76%
	96 Flavoring Extracts and Syrups, N.E.C.	\$ 167,893	357.63%
	204 Agricultural Chemicals, N.E.C	\$ 162,375	345.88%
	Hillsborough County Total	\$ 46,946	

Ten Top-Ranking Industries Based on 2000 Value-Added per Worker Amount			
Implan Sector	Industry Group	2000 Value Added per Worker	Percent of 2000 Hillsborough County Total
	438 Pipe Lines, Except Natural Gas	\$ 1,442,833	3421.49%
	212 Asphalt Felts and Coatings	\$ 473,987	1124.00%
	91 Malt Beverages	\$ 382,150	906.22%
	105 Cigars	\$ 354,325	840.23%
	57 Maintenance and Repair Oil and Gas Wells	\$ 303,750	720.30%
	443 Electric Services	\$ 292,534	693.71%
	99 Roasted Coffee	\$ 226,269	536.57%
	195 Drugs	\$ 219,585	520.72%
	333 Ball and Roller Bearings	\$ 201,867	478.70%
	72 Flour and Other Grain Mill Products	\$ 175,556	416.31%
	Hillsborough County Total	\$ 42,170	

We see in Table 18 that primarily manufacturing-related sectors are consistently the highest-ranking industries in each year in terms of annual value-added per worker. Various sectors in the Transportation and Public Utilities, FIRE, and Services divisions fluctuate in and out of the top ten.

Table 19 shows the twenty-five overall highest-ranking IMPLAN industries, based on the highest annual value-added per worker in each year. The individual industry rankings in each year were totaled, then ranked for the overall structure during the period. In contrast to the trends noticed with value-added and employee compensation, the broad diversity of industries in this top 25 list includes several manufacturing sectors.

Table 19
Overall Top 25 Industries based on Value-Added per Worker

Industry	1995 VA/Emp Rank	1996 VA/Emp Rank	1997 VA/Emp Rank	1998 VA/Emp Rank	1999 VA/Emp Rank	2000 VA/Emp Rank	Summary Score	Overall Rank	6-Year Average Employment
91 Malt Beverages	1	1	2	7	2	3	16	1	147
443 Electric Services	2	2	3	4	4	6	21	2	2517
212 Asphalt Felts and Coatings	4	4	6	5	10	2	31	3	202
438 Pipe Lines, Except Natural Gas	14	6	7	2	1	1	31	4	32
333 Ball and Roller Bearings	17	3	4	3	3	9	39	5	12
195 Drugs	7	11	11	1	6	8	44	6	42
444 Gas Production and Distribution	8	9	14	8	14	19	72	7	279
211 Paving Mixtures and Blocks	10	10	8	12	22	11	73	8	161
96 Flavoring Extracts and Syrups, N.E.C.	13	5	9	31	11	12	81	9	40
441 Communications, Except Radio and TV	9	8	12	13	19	28	89	10	7371
462 Real Estate	12	12	13	15	20	27	99	11	13136
176 Book Publishing	34	23	20	9	13	24	123	12	74
204 Agricultural Chemicals, N.E.C	5	7	10	11	45	47	125	13	7
486 Commercial Sports Except Racing	31	21	32	18	17	14	133	14	1412
456 Banking	24	17	19	21	32	23	136	15	8437
99 Roasted Coffee	27	29	56	19	8	7	146	16	30
205 Adhesives and Sealants	6	30	36	10	49	17	148	17	26
254 Blast Furnaces and Steel Mills	37	19	22	32	26	26	162	18	159
433 Railroads and Related Services	20	16	24	23	35	46	164	19	740
72 Flour and Other Grain Mill Products	40	24	18	72	16	10	180	20	15
197 Polishes and Sanitation Goods	16	22	31	28	44	43	184	21	155
246 Gypsum Products	46	33	33	35	24	13	184	21	527
290 Iron and Steel Forgings	50	32	38	20	21	37	198	22	73
1 Dairy Farm Products	58	50	42	26	18	21	215	23	140
273 Metal Cans	39	28	34	17	51	54	223	24	373
202 Nitrogenous and Phosphatic Fertilizers	18	20	26	44	63	58	229	25	1380

Table 20 shows the ten highest-ranking IMPLAN industries, based on year-to-year growth rates in Value-Added per Worker. These growth rates are based on the year to year total number of employees and total value-added in each sector. High growth in this measure is a sign of an industry becoming more productive. Productivity is a measure of competitiveness. Leading sectors shown in Table 20 vary from year to year, with no discernible pattern. However, a number of the leading sectors from year to year are manufacturing sectors, which indicates that productivity in this division has been increasing in the recent past.

Table 20
Growth in Value Added per Worker

Ten Top-Ranking Industries		
Based on 1995-1996 Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Growth Rate 1995-1996
	57 Maintenance and Repair Oil and Gas Wells	801.38%
	112 Knit Outerwear Mills	600.00%
	109 Narrow Fabric Mills	380.00%
	22 Forest Products	353.81%
	148 Wood Household Furniture	315.69%
	229 Leather Goods, N.E.C	233.65%
	226 Luggage	204.17%
	396 Complete Guided Missiles	177.08%
	122 Cordage and Twine	145.61%
	457 Credit Agencies	120.00%
	Hillsborough County Total	3.22%

Ten Top-Ranking Industries		
Based on 1998-1999 Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Growth Rate 1998-1999
	67 Canned Fruits and Vegetables	265.56%
	24 Forestry Products	216.79%
	218 Gaskets, Packing and Sealing Devices	214.32%
	108 Broadwoven Fabric Mills and Finishing	165.82%
	66 Canned Specialties	157.53%
	12 Feed Grains	105.88%
	6 Sheep, Lambs and Goats	100.00%
	21 Oil Bearing Crops	100.00%
	91 Malt Beverages	94.80%
	14 Grass Seeds	94.49%
	Hillsborough County Total	-16.49%

Ten Top-Ranking Industries		
Based on 1996-1997 Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Growth Rate 1996-1997
	366 Household Appliances, N.E.C.	1173.71%
	362 Household Refrigerators and Freezers	693.27%
	63 Condensed and Evaporated Milk	195.45%
	235 Clay Refractories	108.49%
	458 Security and Commodity Brokers	98.36%
	310 Lawn and Garden Equipment	86.76%
	494 Legal Services	74.82%
	47 Misc. Nonmetallic Minerals, N.E.C.	48.00%
	129 Pleating and Stitching	41.18%
	248 Abrasive Products	40.00%
	Hillsborough County Total	1.86%

Ten Top-Ranking Industries		
Based on 1999-2000 Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Growth Rate 1999-2000
	57 Maintenance and Repair Oil and Gas Wells	4605.99%
	248 Abrasive Products	213.10%
	231 Glass Containers	192.18%
	209 Chemical Preparations, N.E.C	144.19%
	212 Asphalt Felts and Coatings	131.18%
	146 Reconstituted Wood Products	123.21%
	375 Electron Tubes	108.33%
	438 Pipe Lines, Except Natural Gas	103.22%
	143 Mobile Homes	88.59%
	420 Games, Toys, and Childrens Vehicles	86.27%
	Hillsborough County Total	2.76%

Ten Top-Ranking Industries		
Based on 1997-1998 Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Growth Rate 1997-1998
	195 Drugs	963.12%
	105 Cigars	326.90%
	191 Plastics Materials and Resins	112.35%
	205 Adhesives and Sealants	109.59%
	391 Aircraft and Missile Equipment,	109.31%
	438 Pipe Lines, Except Natural Gas	100.00%
	325 Metalworking Machinery, N.E.C.	96.88%
	270 Nonferrous Castings, N.E.C.	88.32%
	250 Minerals, Ground Or Treated	88.10%
	340 Computer Storage Devices	84.60%
	Hillsborough County Total	4.67%

Ten Top-Ranking Industries		
Based on Six-Year Average Growth in Value-Added per Worker		
Implan Sector	Industry Group	Growth Rate as a Multiple of Hillsborough County Rate
		Six-Year Avg Growth Rate
	57 Maintenance and Repair Oil and Gas Wells	1051.88%
	366 Household Appliances, N.E.C.	210.67%
	195 Drugs	170.48%
	362 Household Refrigerators and Freezers	103.29%
	112 Knit Outerwear Mills	98.96%
	105 Cigars	75.79%
	22 Forest Products	70.92%
	24 Forestry Products	65.81%
	438 Pipe Lines, Except Natural Gas	62.34%
	148 Wood Household Furniture	54.25%
	Hillsborough County Total	-0.79%

Conclusions.

Three key measures of industry activity include Employment, Employee Compensation, and Value-added. Measures of wages and productivity include Employee Compensation per Worker and Value-added per Worker, respectively. For each key measure, we obtain IMPLAN baseline results for Hillsborough County in each of the years 1995 through 2000, inclusive. The measures of wages and productivity are determined from the baseline results in each year. We then analyze each measure for trends in volume and growth rate and rank the results for comparison of individual industries within each year.

With few exceptions, the number of individuals employed within the various divisions of the Hillsborough County economy consistently grew throughout the period between 1995 to 2000. Excluding the Mining division due to the extreme cyclical nature apparent from the baseline results, the leading industry divisions, in terms of annualized growth rate of employment in Hillsborough County over the period 1995 through 2000, were Services and FIRE. In terms of year-to-year growth rate of employment, division leaders ranking first fluctuated between Agriculture, Construction, Transportation and Public Utilities, FIRE, and Services during the period. This fluctuation is a sign that demand for labor varies across industry divisions from year-to-year. In terms of total employment numbers, Personnel Supply Services and Wholesale Trade rank overall as the two highest among all individual industry groups. These industry groups also consistently lead from year-to-year in total number of employees.

Employee Compensation is the total payroll costs of each industry in the region. It includes the wages and salaries of workers who are paid by employers, as well as benefits such as health and life insurance, retirement payments, and non-cash compensation. Excluding the Mining division due to the extreme cyclical nature apparent from the baseline results, the leading industry divisions, in terms of annualized growth rate of employee compensation in Hillsborough County over the period 1995 through 2000, were FIRE and Public Administration. In terms of year-to-year growth rate of employee compensation, division leadership fluctuated so that the Construction, Manufacturing, Trade, Fire, Services, and Public Administration divisions enjoyed the first or second place ranking at some time during the period. This fluctuation may be interpreted that demand for labor varies significantly across industry divisions from year to year. In terms of total employee compensation amount, Wholesale Trade and State and Local Government - Education rank overall as the two highest among all individual industry groups. Wholesale Trade consistently ranks first from year to year in the amount of total employee compensation. The second highest rank varies from year-to-year among education and non-education sectors of government and the Personnel Supply Services industry group.

A measure of the diversity of wages across industry sectors is the annual amount of Employee Compensation per Worker. For the period between 1995 and 2000, employee compensation per worker declined slightly in Hillsborough County. Six of the nine industry divisions experienced a negative annualized growth rate of employee

compensation per worker during the period. For the period, overall leading industry divisions were Public Administration and FIRE. In terms of year-to-year growth rate of employee compensation per worker, division leaders ranking first fluctuated between Agriculture, Mining, Manufacturing, Trade, FIRE, and Public Administration during the period. Divisional leadership fluctuation in this measure is yet another indication of the annual variation in demand for labor. In terms of total employee compensation per worker amount, Ball and Roller Bearings and Drugs rank overall as the two highest among all individual industry groups. Both of these manufacturing groups ranked first in at least one year. From year to year, the first and second highest rank varies widely between groups. The highest ranked group in 1995 and 2000 is not included in the top 25 overall groups. The second highest ranked group is not included in the top 25 overall sectors in 1996, 1997, 1999, or 2000.

Value-added is the value of output minus the cost of inputs to the industry production process. Excluding the Mining division due to the extreme cyclical nature apparent from the baseline results, the leading industry divisions, in terms of annualized growth rate of value-added in Hillsborough County over the period 1995 through 2000, were Agriculture and Public Administration. The FIRE and Services divisions followed closely. In terms of year-to-year growth rate of value-added, division leadership rank fluctuated so that nearly all divisions enjoyed a top ranking during at least one year of the 1995-2000 period. Divisional leadership fluctuation is an indication that the Hillsborough County economy is compensating and growing in all divisions. In terms of total value-added amount, Wholesale Trade and Real Estate are the two leaders among all industry groups. These industry groups consistently lead from year-to-year in the amount of total value-added.

A measure of the regional competitiveness across industry sectors is the annual amount of Value-Added per Worker. For the period between 1995 and 2000, value-added per worker declined slightly in Hillsborough County. Five of the nine industry divisions experienced a negative annualized growth rate of value-added per worker during the period. For the period, overall leading industry divisions were Public Administration and Agriculture. In terms of year-to-year growth rate of value-added per worker, division leaders ranking first fluctuated between Agriculture, Mining, Manufacturing, and Public Administration during the period. In terms of total value-added per worker amount, Malt Beverages and Electric Services rank overall as the two highest among all individual industry groups. From year-to-year, the first and second highest rank varies somewhat between industry groups. The highest ranked industry group in 1997 is not included in the top 25 overall industry groups. Other highest ranked industry groups include Drugs in 1998 and Pipe Lines, Except Natural Gas in 1999 and 2000.

Section 2 – Global Competitiveness

Value-Added per Worker in Hillsborough County in the Year 2000.

A measure of the regional competitiveness across industries can be found by dividing the total Value-Added amount for each industry by the Employment number for the same industry. The result is the annual amount of Value-Added per Worker in each industry. We use Value-Added per Worker as a measure of global competitiveness by analyzing industries in comparison to Hillsborough County’s economic base for the year 2000. Industries that produce at a high level of Value-Added per Worker are growth industries, which equate to a high level of global competitiveness. Conversely, industries that produce at a low level of Value-Added per Worker are mature industries that have developed to the point where further growth is not practical.

At the most basic level of industry analysis, the 1-digit SIC level, the measure of Value-Added per Worker is indicated in **Table 21**. During the year 2000, a variety of industry divisions led the Hillsborough County economy in providing high levels of value-added per worker. The countywide annual 2000 value-added per worker is \$42,170.

Table 21
1-Digit SIC Value-Added per Worker

Division	2000 Annual Value-Added per Worker	2000 Value-Added per Worker as a Percent of Hillsborough County Average
0 - Agriculture	\$ 27,646	65.56%
1 - Mining	\$ 51,571	122.29%
1 - Construction	\$ 31,963	75.80%
2 & 3 - Manufacturing	\$ 61,866	146.71%
4 - Trans&Pub Util	\$ 82,443	195.50%
5 - Trade	\$ 37,270	88.38%
6 - FIRE	\$ 108,614	257.56%
7 & 8 - Services	\$ 23,960	56.82%
9 - Public Admin	\$ 51,456	122.02%
Hillsborough County Average	\$ 42,170	

We see from Table 21 that the FIRE division maintained the highest level of value-added per worker in 2000. The Mining, Manufacturing, Transportation and Public Utilities, and Public Administration divisions all produced at levels of value-added per worker higher than the Hillsborough County average.

The 2-digit SIC aggregation of IMPLAN baseline results allows a more refined analysis of industry major group levels of value-added per worker. **Table 22** indicates the industry major group levels of value-added per worker in Hillsborough County for 2000, ordered by industry division. From Table 22, several industry major groups stand out as having higher than the Hillsborough County average level of value-added per worker. In particular, the Pipe Lines, Except Natural Gas industry major group produces the highest

level at almost 35 times the county average. Tobacco Manufacturing is second highest at over 8 times the county average. From another perspective, industries that produce below the Hillsborough County average indicate mature industries. Industry major groups that produce the lowest level of value-added per worker include Agricultural Services and Motion Pictures, both of which produce at a level of about 30% of the Hillsborough County average in 2000. At least one industry major group in each of the nine divisions listed above, except Construction, produces above the Hillsborough County average.

Table 22
2-Digit SIC Value-Added per Worker

Industry Major Group	2000 Annual Value Added per Worker	2000 Value Added per Worker as a Percent of Hillsborough County Average	Industry Major Group	2000 Annual Value Added per Worker	2000 Value Added per Worker as a Percent of Hillsborough County Average
0 - Agriculture:			5 - Trade:		
Farms	\$ 39,140	92.82%	Wholesale Trade	\$ 62,392	147.96%
Forestry Products	\$ 104,773	248.46%	Retail Trade	\$ 27,563	65.36%
Commercial Fishing	\$ 14,673	34.79%	6 - FIRE:		
Ag Services	\$ 12,901	30.59%	Banking	\$ 126,554	300.11%
1 - Mining:			Credit Agencies	\$ 31,258	74.12%
Metal mining	\$ 57,193	135.63%	Security and Commodity Brokers	\$ 100,312	237.88%
Coal Mining	n/a	n/a	Insurance Carriers	\$ 98,674	233.99%
Oil mining	\$ 36,095	85.59%	Insurance Agents and Brokers	\$ 29,125	69.07%
Non-metal mining	\$ 70,245	166.58%	Real estate	\$ 244,017	578.65%
1 - Construction:			7 & 8 - Services:		
Construction	\$ 31,938	75.74%	Hotels and Lodging Places	\$ 24,874	58.98%
2 & 3 - Manufacturing:			Personal services	\$ 14,969	35.50%
Food processing	\$ 86,284	204.61%	Business services	\$ 15,004	35.58%
Tobacco mfg	\$ 354,219	839.98%	Automotive services	\$ 47,835	113.43%
Textiles	\$ 18,565	44.02%	Repair services	\$ 29,068	68.93%
Apparel	\$ 21,308	50.53%	Motion Pictures	\$ 12,971	30.76%
Wood products	\$ 38,124	90.40%	Recreation services	\$ 28,340	67.20%
Furniture	\$ 36,293	86.06%	Health services	\$ 37,114	88.01%
Pulp and paper	\$ 55,946	132.67%	Legal Services	\$ 51,607	122.38%
Printing and publishing	\$ 34,204	81.11%	Education services	\$ 16,145	38.28%
Chemicals and allied	\$ 81,093	192.30%	Social services	\$ 24,639	58.43%
Petroleum products	\$ 245,160	581.36%	Non-profit organizations	\$ 21,590	51.20%
Rubber products	\$ 57,906	137.32%	Professional services	\$ 39,491	93.65%
Leather products	\$ 36,518	86.60%	9 - Public Admin:		
Stone, glass and clay	\$ 67,902	161.02%	State & local non-ed government	\$ 55,830	132.39%
Primary metals	\$ 56,549	134.10%	Federal non-military	\$ 57,843	137.17%
Fabricated metal	\$ 53,606	127.12%	Special sectors	n/a	n/a
Industrial machinery	\$ 53,934	127.90%	Federal Government - Military	\$ 106,205	251.85%
Electrical equipment	\$ 38,981	92.44%	State & Local Government - Education	\$ 38,334	90.90%
Transportation equipment	\$ 40,882	96.95%	Domestic Services	\$ 12,688	30.09%
Scientific instruments	\$ 59,195	140.37%			
Miscellaneous mfg	\$ 39,189	92.93%	Hillsborough County Average	\$ 42,170	
4 - Trans&Pub Util:					
Railroads and Related Services	\$ 93,276	221.19%			
Local, Interurban Passenger Transit	\$ 24,166	57.31%			
Motor Freight Transport and Warehousing	\$ 32,642	77.41%			
Water Transportation	\$ 68,761	163.06%			
Air Transportation	\$ 48,598	115.24%			
Pipe Lines, Except Natural Gas	\$ 1,472,029	3490.72%			
Transportation Services	\$ 44,723	106.06%			
Communications	\$ 108,895	258.23%			
Utilities	\$ 246,833	585.33%			

For an even more refined view, we observe IMPLAN baseline results of Value-Added per Worker at the industry group level for all 528 IMPLAN sectors. **Table 23** shows the twenty-five highest-ranking IMPLAN industry groups in terms of value-added per worker in 2000, ordered by industry division. This top 25 list includes mostly manufacturing industry groups. The few non-manufacturing industry groups represent a variety of divisions, including Agriculture, Construction, Transportation and Public Utilities, FIRE, and Services.

Table 23 also shows employment and percentage of total Hillsborough County employment for each of the leading industry groups. None of the leading 25 industry groups rank high in terms of employment number or percentage. Five of the twenty-five industry groups employ less than 10 workers each. Another four of the twenty-five employ less than 20 workers each. Only the Banking industry group employs more than 1% of the total number employed in Hillsborough County.

Table 23
Overall Top 25 Industries in Value-Added per Worker

Division: IMPLAN Sector	Industry Group	2000 Value- Added per Employee Rank	Number of Employees in 2000	Employment as a Percent of Hillsborough County Total	Industry Output*	Output as a Percent of Hillsborough County Total
0 - Agriculture:						
	1 Dairy Farm Products	21	132	0.017%	17.87	0.033%
1 - Mining:						
	n/a					
1 - Construction:						
	57 Maintenance and Repair Oil and Gas Wells	5	4	0.001%	1.77	0.003%
2 & 3 - Manufacturing:						
	67 Canned Fruits and Vegetables	20	23	0.003%	6.74	0.012%
	72 Flour and Other Grain Mill Products	10	9	0.001%	3.99	0.007%
	91 Malt Beverages	3	20	0.003%	13.79	0.025%
	95 Bottled and Canned Soft Drinks & Water	25	1,015	0.134%	400.86	0.734%
	96 Flavoring Extracts and Syrups, N.E.C.	12	12	0.002%	3.06	0.006%
	99 Roasted Coffee	7	26	0.003%	18.69	0.034%
	100 Potato Chips & Similar Snacks	15	41	0.005%	15.32	0.028%
	105 Cigars	4	1,271	0.168%	1041.86	1.909%
	146 Reconstituted Wood Products	22	20	0.003%	6.20	0.011%
	176 Book Publishing	24	129	0.017%	37.62	0.069%
	195 Drugs	8	53	0.007%	19.16	0.035%
	205 Adhesives and Sealants	17	2	0.000%	0.67	0.001%
	209 Chemical Preparations, N.E.C	18	4	0.001%	1.44	0.003%
	211 Paving Mixtures and Blocks	11	252	0.033%	97.07	0.178%
	212 Asphalt Felts and Coatings	2	151	0.020%	105.22	0.193%
	246 Gypsum Products	13	688	0.091%	282.53	0.518%
	331 Special Industry Machinery N.E.C.	16	259	0.034%	122.47	0.224%
	333 Ball and Roller Bearings	9	15	0.002%	4.47	0.008%
4 - Trans&Pub Util:						
	438 Pipe Lines, Except Natural Gas	1	6	0.001%	11.15	0.020%
	443 Electric Services	6	2,595	0.343%	900.28	1.649%
	444 Gas Production and Distribution	19	254	0.034%	214.70	0.393%
5 - Trade:						
	n/a					
6 - FIRE:						
	456 Banking	23	8,779	1.162%	1677.71	3.074%
7 & 8 - Services:						
	486 Commercial Sports Except Racing	14	1,687	0.223%	333.07	0.610%
9 - Public Admin:						
	n/a					
Hillsborough County Average			755,599		54,580.31	

* Millions of Dollars

Table 23 also shows total output for the twenty-five highest-ranking industry groups, as well as each industry group's percentage of total Hillsborough County output. In terms of total output, only six of the twenty-five leading industry groups produced more than 0.5% of the total output in Hillsborough County in 2000. Of these six, the industry groups designated as Cigars, Electric Services, and Banking produced output valued near or above \$1 billion in 2000.

Table 24 shows the value-added rankings in 2000 of the ten industry groups that employ the most individuals in Hillsborough County, ordered by highest number of employees. High employment numbers in a particular industry group do not correspond well with high rankings in value-added per worker. Industry groups that employ the most workers rank among the lowest industry groups in terms of the productivity measure value-added per worker.

Table 24
Value-Added Ranks of Ten Industries with Highest Employment

IMPLAN Sector	Industry Group	2000 Value-Added per Employee Rank	Number of Employees in 2000	Employment as a Percent of Hillsborough County Total
	474 Personnel Supply Services	325	125,593	16.622%
	447 Wholesale Trade	79	40,937	5.418%
	454 Eating & Drinking	295	32,997	4.367%
	522 State & Local Government - Education	169	31,469	4.165%
	455 Miscellaneous Retail	248	23,950	3.170%
	523 State & Local Government - Non-Education	100	23,820	3.152%
	492 Hospitals	218	17,390	2.301%
	457 Credit Agencies	221	17,114	2.265%
	450 Food Stores	239	16,619	2.199%
	48 New Residential Structures	265	15,378	2.035%

Table 25 shows the value-added rankings in 2000 of the ten industry groups that produced the most output in Hillsborough County, ordered by highest industry output. Similar to the comparison with employment, industry groups with the highest value of output in Hillsborough County do not rank high in terms of value-added per worker.

Table 25
Value-Added Ranks of Ten Industries with Highest Output

IMPLAN Sector	Industry Group	2000 Value-Added per Employee Rank	Industry Output*	Output as a Percent of Hillsborough County Total
	447 Wholesale Trade	79	3733.59	6.841%
	461 Owner-occupied Dwellings	518	2390.83	4.380%
	462 Real Estate	27	2347.94	4.302%
	48 New Residential Structures	265	2298.70	4.212%
	459 Insurance Carriers	40	2261.77	4.144%
	441 Communications, Except Radio and TV	28	2020.84	3.703%
	456 Banking	23	1677.71	3.074%
	474 Personnel Supply Services	325	1465.11	2.684%
	523 State & Local Government - Non-Education	100	1334.73	2.445%
	522 State & Local Government - Education	169	1206.32	2.210%

* Millions of Dollars

Conclusions.

Value-added per worker, a measure of productivity, is a gauge of global competitiveness. The higher that an industry ranks in terms of value-added per worker, the more competitive the industry becomes in the global marketplace.

In Hillsborough County in the year 2000, a variety of manufacturing industry groups, which employed very few workers each, ranked highest in terms of value-added per worker. Industry groups that employed high numbers of workers do not rank high in terms of this productivity measure. Similarly, only a few industry groups that produce a high level of output rank high in this productivity measure. For example, the most productive industry group in 2000 was Pipe Lines, except Natural Gas, but this group only had, on average during the year, six jobs in Hillsborough County and a total output of \$11.15 million.

Our finding indicates that as industry groups get larger in terms of jobs and output, value-added per worker declines. The finding is consistent with the economic principle that a firm optimally produces up to the point where marginal cost equals marginal revenue. Typically, industry groups with relatively few jobs achieve higher wages and productivity.

Appendix A.

The following table provides a bridge between the 528 IMPLAN sectors and the 1987 Standard Industrial Classification (SIC) as well as the 1997 North American Industry Classification System (NAICS).

IMPLAN Matched to 1987 SIC and Matched to 1997 NAICS				
@ indicates time series break greater than 3% of the 1992 value of shipments for the 1987 industry				
IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		Agricultural production- crops		
	11	0111 Wheat		11114 Wheat Farming
	11	0112 Rice		11116 Rice Farming
	12	0115 Corn		11115 Corn Farming (pt)
	21	0116 Soybeans		11111 Soybean Farming
		Cash Grains, NEC		
18,20,21	0119	Dry Pea and Bean Farms		11113 Dry Pea and Bean Farming
18,20,21	0119	Oilseed, Except Soybean, Farms		11112 Oilseed (except Soybean) Farming
18,20,21	0119	Popcorn Farms		11115 Corn Farming (pt)
18,20,21	0119	Combination Oilseed and Grain Farms		111191 Oilseed and Grain Combination Farming
18,20,21	0119	Other Farms		111199 All Other Grain Farming
10	0131	Cotton		11192 Cotton Farming
15	0132	Tobacco		11191 Tobacco Farming
		Sugarcane and Sugar Beets		
19	0133	Sugar Beets		111991 Sugar Beet Farming
19	0133	Sugarcane		11193 Sugarcane Farming
18	0134	Irish Potatoes		11211 Potato Farming
		Field Crops, Except Cash Grains, NEC		
12,13,14,18,20,21	0139	Hay Farms		11194 Hay Farming
12,13,14,18,20,21	0139	Peanut Farming		111992 Peanut Farming
12,13,14,18,20,21	0139	Sweet Potatoes and Yam Farms		11219 Other Vegetable (except Potato) and Melon Farming (pt)
12,13,14,18,20,21	0139	Other Field Crop Farms		111998 All Other Miscellaneous Crop Farming (pt)
18	0161	Vegetables and Melons		11219 Other Vegetable (except Potato) and Melon Farming (pt)
		Berry Crops		
16	0171	Strawberry Farms		111333 Strawberry Farming
16	0171	Other Berry Farms		111334 Berry (except Strawberry) Farming
16	0172	Grapes		111332 Grape Vineyards
17,21	0173	Tree Nuts		111335 Tree Nut Farming
		Citrus Fruits		
16	0174	Orange Groves and Farms		11131 Orange Groves
16	0174	Other Citrus Groves and Farms		11132 Citrus (except Orange) Groves
		Deciduous Tree Fruits		
16	0175	Apple Orchards and Farms		111331 Apple Orchards
16	0175	Other Farms		111339 Other Noncitrus Fruit Farming (pt)
		@ Fruits and Tree Nuts, NEC		
16,17	0179	Combination Fruit and Tree Nut Farms		111336 Fruit and Tree Nut Combination Farming
16,17	0179	Other Farms		111339 Other Noncitrus Fruit Farming (pt)
		@ Ornamental Floriculture and Nursery Products		
1,23	0181	Floriculture Farming		111422 Floriculture Production
1,23	0181	Nursery Farming		111421 Nursery and Tree Production (pt)
		Food Crops Grown Under Cover		
23	0182	Mushrooms, Growing Of		111411 Mushroom Production
23	0182	Other Food Crops Grown Under Cover		111419 Other Food Crops Grown Under Cover
2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,23	0191	@ General Farms, Primarily Crop		111998 All Other Miscellaneous Crop Farming (pt)
		Agricultural production- livestock		
5	0211	Beef Cattle Feedlots		112112 Cattle Feedlots
3,4,8	0212	Beef Cattle, Except Feedlots		112111 Beef Cattle Ranching and Farming (pt)
7	0213	Hogs		11221 Hog and Pig Farming
		Sheep and Goats		
6	0214	Sheep Farms		11241 Sheep Farming
6	0214	Goat Farms		11242 Goat Farming
2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23	0219	@ General Livestock, Except Dairy and Poultry		11299 All Other Animal Production (pt)
		Dairy Farms		
1	0241	Dairy Heifer Replacement Farms		112111 Beef Cattle Ranching and Farming (pt)
1	0241	Dairy Farms		11212 Dairy Cattle and Milk Production
2	0251	Broiler, Fryers, and Roaster Chickens		11232 Broilers and Other Meat Type Chicken Production
2	0252	Chicken Eggs		11231 Chicken Egg Production
2	0253	Turkey and Turkey Eggs		11233 Turkey Production
26	0254	Poultry Hatcheries		11234 Poultry Hatcheries
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23	0259	Poultry and Eggs, NEC		11239 Other Poultry Production
9	0271	Fur-Bearing Animals and Rabbits		11293 Fur-Bearing Animal and Rabbit Production
9	0272	Horses and Other Equines		11292 Horses and Other Equine Production
		Animal Aquaculture		
9	0273	Finfish Farms		112511 Finfish Farming and Fish Hatcheries (pt)
9	0273	Shellfish Farms		112512 Shellfish Farming (pt)
9	0273	Other Animal Aquaculture		112519 Other Animal Aquaculture (nt)
		@ Animal Specialities, NEC		

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
9,26	0279	Alligator and Frog Production	112519	Other Animal Aquaculture (pt)
9,26	0279	Bee Farms	11291	Apiculture
9,26	0279	Other	11299	All Other Animal Production (pt)
1,2,3,4,5,6,7,8,9,10,11,12,13,14 15,16,17,18,19,20,21,23	0291	@ General Farms, Primarily Livestock and Animal	11299	All Other Animal Production (pt)
		Agricultural services		
26	0711	Soil Preparation Services	115112	Soil Preparation, Planting, and Cultivating (pt)
26	0721	Crop Planting, Cultivating, and Protecting	115112	Soil Preparation, Planting, and Cultivating (pt)
26	0722	Crop Harvesting, Primarily by Machine	115113	Crop Harvesting, Primarily by Machine
		Crop Preparation Services For Market, except		
26	0723	Other	115114	Postharvest Crop Activities (except Cotton Ginning)
26	0723	Custom Grain Grinding	311119	Other Animal Food Manufacturing (pt)
26	0724	Cotton Ginning	115111	Cotton Ginning
493	0741	Veterinary Services For Livestock	54194	Veterinary Services (pt)
493	0742	Veterinary Services for Animal Specialties @ Livestock Services, Except Veterinary	54194	Veterinary Services (pt)
26	0751	Custom Slaughtering	311611	Animal (except Poultry) Slaughtering (pt)
26	0751	Other Livestock Service, Except @ Animal Specialty Services, Except Veterinary	11521	Support Activities for Animal Production (pt)
26	0752	Horses and Equines Services and Animal	11521	Support Activities for Animal Production (pt)
26	0752	Pet Care Services	81291	Pet Care (except Veterinary) Services
26	0761	Farm Labor Contractors and Crew Leaders	115115	Farm Labor Contractors and Crew Leaders
26	0762	Farm Management Services Landscape Counseling and Planning	115116	Farm Management Services
27	0781	Horticulture Consulting	54169	Other Scientific and Technical Consulting Services (pt)
27	0781	Landscape Architectural Services	54132	Landscape Architectural Services (pt)
27	0782	Lawn and Garden Services	56173	Landscaping Services (pt)
27	0783	Ornamental Shrub and Tree Services	56173	Landscaping Services (pt)
		Forestry		
		@ Timber Tracts		
24	0811	Short Rotation Woody Crops	111421	Nursery and Tree Production (pt)
24	0811	Long Term Timber Farming @ Forest Nurseries and Gathering of Forest	11311	Timber Tract Operations
24	0831	Maple Sap	111998	All Other Miscellaneous Crop Farming (pt)
24	0831	Other Forest Products	11321	Forest Nurseries and Gathering of Forest Products
26	0851	Forestry Services	11531	Support Activities for Forestry
		Fishing, hunting, and trapping		
25	0912	Finfish	114111	Finfish Fishing
25	0913	Shellfish	114112	Shellfish Fishing
		Miscellaneous Marine Products		
25	0919	Except Plant Aquaculture	114119	Other Marine Fishing
25	0919	Plant Aquaculture @ Fish Hatcheries and Preserves	111998	All Other Miscellaneous Crop Farming (pt)
26	0921	Finfish Hatcheries	112511	Finfish Farming and Fish Hatcheries (pt)
26	0921	Shellfish Hatcheries	112512	Shellfish Farming (pt)
24	0971	Hunting and Trapping, and Game Propagation	11421	Hunting and Trapping
		Metal mining		
28	1011	Iron Ores	21221	Iron Ore Mining
29	1021	Copper Ores	212234	Copper Ore and Nickel Ore Mining (pt)
30	1031	Lead and Zinc Ores	212231	Lead Ore and Zinc Ore Mining
31	1041	Gold Ores	212221	Gold Ore Mining
32	1044	Silver Ores	212222	Silver Ore Mining
		Ferroalloy Ores, Except Vanadium		
33	1061	Nickel Ore Mining	212234	Copper Ore and Nickel Ore Mining (pt)
33	1061	Other Ferroalloys (except nickel) Metal Mining Services	212299	All Other Metal Ore Mining (pt)
34	1081	Metal Mining (except geophysical	213114	Support Activities for Metal Mining
34	1081	Geophysical Surveying and Mapping	54136	Geophysical Surveying and Mapping Services (pt)
35	1094	Uranium-Radium-Vanadium Ores	212291	Uranium-Radium-Vanadium Ore Mining
36	1099	Miscellaneous Metal Ores, NEC	212299	All Other Metal Ore Mining (pt)
		Coal mining		
37	1221	Bituminous Coal and Lignite Surface Mining	212111	Bituminous Coal and Lignite Surface Mining
37	1222	Bituminous Coal Underground Mining	212112	Bituminous Coal Underground Mining
37	1231	Anthracite Mining	212113	Anthracite Mining
37	1241	Coal Mining Services	213113	Support Activities for Coal Mining
		Oil and gas extraction		
38	1311	Crude Petroleum and Natural Gas	211111	Crude Petroleum and Natural Gas Extraction
39	1321	Natural Gas Liquids	211112	Natural Gas Liquid Extraction (pt)
57	1381	Drilling Oil and Gas Wells Oil and Gas Field Exploration Services	213111	Drilling Oil and Gas Wells
57	1382	Geophysical Mapping and Surveying	54136	Geophysical Surveying and Mapping Services (pt)
57	1382	Other Oil and Gas Field Exploration	213112	Support Activities for Oil and Gas Operations (pt)
57	1389	Oil and Gas Field Services, NEC	213112	Support Activities for Oil and Gas Operations (pt)
		Nonmetallic minerals, except fuels		
40	1411	Dimension Stone	212311	Dimension Stone Mining and Quarrying
40	1422	Crushed and Broken Limestone	212312	Crushed and Broken Limestone Mining and Quarrying
40	1423	Crushed and Broken Granite	212313	Crushed and Broken Granite Mining and Quarrying
40	1429	Crushed and Broken Stone, NEC	212319	Other Crushed and Broken Stone Mining and Quarrying (pt)
41	1442	Construction Sand and Gravel	212321	Construction Sand and Gravel Mining
41	1446	Industrial Sand	212322	Industrial Sand Mining
42	1455	Kaolin and Ball Clay	212324	Kaolin and Ball Clay Mining
42	1459	Clay, Ceramic, and Refractory Minerals, NEC	212325	Clay and Ceramic and Refractory Minerals Mining

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
	43	1474 Potash, Soda, and Borate Minerals	212391	Potash, Soda, and Borate Mineral Mining
	44	1475 Phosphate Rock	212392	Phosphate Rock Mining
	45	1479 Chemical and Fertilizer Mineral Mining, NEC Nonmetallic Minerals Services Except Fuels	212393	Other Chemical and Fertilizer Mineral Mining
	46	1481 Except Geophysical Mapping and Surveying	213115	Support Activities for Nonmetallic Minerals (except Fuels)
	46	1481 Geophysical Surveying and Mapping	54136	Geophysical Surveying and Mapping Services (pt)
	47	1499 Miscellaneous Nonmetallic Minerals, Except Bituminous Limestone and Bituminous	212319	Other Crushed and Broken Stone Mining and Quarrying (pt)
	47	1499 Except Bituminous Limestone and	212399	All Other Nonmetallic Mineral Mining (pt)
		General building contractors		
48,49,50,51,52,53,54,55,56	1521	@ General Contractors-Single-Family Houses	23321	Single Family Housing Construction (pt)
		@ General Contractors-Residential Buildings,		
48,49,50,51,52,53,54,55,56	1522	Hotel and Motel Construction	23332	Commercial and Institutional Building Construction (pt)
48,49,50,51,52,53,54,55,56	1522	Except Hotel and Motel Construction	23322	Multifamily Housing Construction (pt)
		@ Operative Builders		
48,49,50,51,52,53,54,55,56	1531	Single Family Housing	23321	Single Family Housing Construction (pt)
48,49,50,51,52,53,54,55,56	1531	Multifamily Housing	23322	Multifamily Housing Construction (pt)
48,49,50,51,52,53,54,55,56	1531	Manufacturing and Light Industrial	23331	Manufacturing and Industrial Building Construction (pt)
48,49,50,51,52,53,54,55,56	1531	Commercial and Institutional Buildings	23332	Commercial and Institutional Building Construction (pt)
		@ General Contractors-Industrial Buildings and		
48,49,50,51,52,53,54,55,56	1541	Public Warehouse Construction	23332	Commercial and Institutional Building Construction (pt)
48,49,50,51,52,53,54,55,56	1541	Except Public Warehouse Construction	23331	Manufacturing and Industrial Building Construction (pt)
48,49,50,51,52,53,54,55,56	1542	@ General Contractors-Nonresidential Buildings,	23332	Commercial and Institutional Building Construction (pt)
		Heavy construction contractors		
48,49,50,51,52,53,54,55,56	1611	Highway and Street Construction, Except	23411	Highway and Street Construction (pt)
48,49,50,51,52,53,54,55,56	1622	Bridge, Tunnel, and Elevated Highway	23412	Bridge and Tunnel Construction (pt)
		Water, Sewer, Pipeline, and Communications		
48,49,50,51,52,53,54,55,56	1623	Water, Sewer and Pipelines	23491	Water, Sewer, and Pipeline Construction (pt)
48,49,50,51,52,53,54,55,56	1623	Power and Communication Transmission	23492	Power and Communication Transmission Line Construction (pt)
		Heavy Construction, NEC		
48,49,50,51,52,53,54,55,56	1629	Industrial Nonbuilding Structures	23493	Industrial Nonbuilding Structure Construction (pt)
48,49,50,51,52,53,54,55,56	1629	Nonbuilding Structures Except Industrial	23499	All Other Heavy Construction (pt)
		Special trade contractors		
48,49,50,51,52,53,54,55,56	1711	Plumbing, Heating, and Air-Conditioning	23511	Plumbing, Heating, and Air-Conditioning Contractors (pt)
48,49,50,51,52,53,54,55,56	1721	@ Painting and Paper Hanging	23521	Painting and Wall Covering Contractors (pt)
48,49,50,51,52,53,54,55,56	1731	Electrical Work	23531	Electrical Contractors
48,49,50,51,52,53,54,55,56	1741	Masonry, Stone Setting, and Other Stone Work	23541	Masonry and Stone Contractors
48,49,50,51,52,53,54,55,56	1742	Plastering, Drywall, Acoustical, and	23542	Drywall, Plastering, Acoustical, and Insulation Contractors (pt)
		Terrazzo, Tile, Marble, and Mosaic Work		
48,49,50,51,52,53,54,55,56	1743	Fresco Work	23542	Drywall, Plastering, Acoustical, and Insulation Contractors (pt)
48,49,50,51,52,53,54,55,56	1743	Except Fresco Work	23543	Tile, Marble, Terrazzo, and Mosaic Contractors
48,49,50,51,52,53,54,55,56	1751	Carpentry Work	23551	Carpentry Contractors
48,49,50,51,52,53,54,55,56	1752	Floor Laying and Other Floor Work, NEC	23552	Floor Laying and Other Floor Contractors
48,49,50,51,52,53,54,55,56	1761	Roofing, Siding, and Sheet Metal Work	23561	Roofing, Siding, and Sheet Metal Contractors
		@ Concrete Work		
48,49,50,51,52,53,54,55,56	1771	Stucco Construction	23542	Drywall, Plastering, Acoustical, and Insulation Contractors (pt)
48,49,50,51,52,53,54,55,56	1771	Except Stucco Construction	23571	Concrete Contractors
48,49,50,51,52,53,54,55,56	1781	Water Well Drilling	23581	Water Well Drilling Contractors
48,49,50,51,52,53,54,55,56	1791	Structural Steel Erection	23591	Structural Steel Erection Contractors
48,49,50,51,52,53,54,55,56	1793	Glass and Glazing Work	23592	Glass and Glazing Contractors (pt)
48,49,50,51,52,53,54,55,56	1794	Excavation Work	23593	Excavation Contractors
48,49,50,51,52,53,54,55,56	1795	Wrecking and Demolition Work	23594	Wrecking and Demolition Contractors
48,49,50,51,52,53,54,55,56	1796	Installation or Erection of Building	23595	Building Equipment and Other Machinery Installation Contractors
		@ Special Trade Contractors, NEC		
48,49,50,51,52,53,54,55,56	1799	Paint and Wallpaper Stripping and	23521	Painting and Wall Covering Contractors (pt)
48,49,50,51,52,53,54,55,56	1799	Tinted Glass Work	23592	Glass and Glazing Contractors (pt)
48,49,50,51,52,53,54,55,56	1799	Asbestos Abatement and Lead Paint Removal	56291	Remediation Services (pt)
48,49,50,51,52,53,54,55,56	1799	All Other Special Trade Contractors	23599	All Other Special Trade Contractors
		Food and kindred products		
58	2011	Meat Packing Plants	311611	Animal (except Poultry) Slaughtering (pt)
		Sausages and Other Prepared Meats		
59	2013	Lard Made From Purchased Material	311613	Rendering and Meat Byproduct Processing (pt)
59	2013	Except Lard Made From Purchased Material	311612	Meat Processed from Carcasses (pt)
		@ Poultry Slaughtering and Processing		
60	2015	Poultry Processing	311615	Poultry Processing
60	2015	Egg Processing	311999	All Other Miscellaneous Food Manufacturing (pt)
61	2021	Creamery Butter	311512	Creamery Butter Manufacturing
62	2022	Natural, Processed, and Imitation Cheese	311513	Cheese Manufacturing
63	2023	Dry, Condensed, and Evaporated Dairy Products	311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
64	2024	Ice Cream and Frozen Desserts	31152	Ice Cream and Frozen Dessert Manufacturing
		Fluid Milk		
65	2026	Ultra-High Temperature	311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing (pt)
65	2026	Except Ultra-High Temperature	311511	Fluid Milk Manufacturing
		Canned Specialties		
66	2032	Canned Specialties	311422	Specialty Canning
66	2032	Canned Pudding	311999	All Other Miscellaneous Food Manufacturing (pt)
67	2033	@ Canned Fruits, Vegetables, Preserves, Jams,	311421	Fruit and Vegetable Canning (pt)
		Dried and Dehydrated Fruits, Vegetables, and		
68	2034	Dried and Dehydrated Fruits and	311423	Dried and Dehydrated Food Manufacturing (pt)
68	2034	Soup Mixes Made from Purchased Dried and	311999	All Other Miscellaneous Food Manufacturing (pt)
68	2034	Vegetable Flours	311211	Flour Milling (pt)
		Pickled Fruits and Vegetables, Vegetable		
69	2035	Pickled Fruits and Vegetables	311421	Fruit and Vegetable Canning (pt)
69	2035	Sauces and Salad Dressings	311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing (pt)
70	2037	Frozen Fruits, Fruit Juices, and Vegetables	311411	Frozen Fruit, Juice, and Vegetable Manufacturing
71	2038	Frozen Specialties, NEC	311412	Frozen Specialty Food Manufacturing

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
	72	2041 Flour and Other Grain Mill Products	31211	Flour Milling (pt)
		Cereal Breakfast Foods		
	73	2043 Coffee Substitute	31192	Coffee and Tea Manufacturing (pt)
	73	2043 Breakfast Cereal	31123	Breakfast Cereal Manufacturing
	74	2044 Rice Milling	31212	Rice Milling
	75	2045 Prepared Flour Mixes and Doughs	311822	Flour Mixes and Dough Manufacturing from Purchased Flour
		Wet Corn Milling		
	76	2046 Refining Purchased Oil	311225	Fats and Oils Refining and Blending (pt)
	76	2046 Except Refining Purchased Oil	311221	Wet Corn Milling
	77	2047 Dog and Cat Food	311111	Dog and Cat Food Manufacturing
		Prepared Feed and Feed Ingredients for		
	78	2048 Animal Slaughtering for Pet Food	311611	Animal (except Poultry) Slaughtering (pt)
	78	2048 Except Slaughtering Animals for Pet Food	311119	Other Animal Food Manufacturing (pt)
	79	2051 Bread and Other Bakery Products, Except @ Cookies and Crackers	311812	Commercial Bakeries (pt)
	80	2052 Cookie and Cracker	311821	Cookie and Cracker Manufacturing
	80	2052 Pretzels, Except Soft	311919	Other Snack Food Manufacturing (pt)
	80	2052 Unleavened Bread and Soft Pretzels	311812	Commercial Bakeries (pt)
	79	2053 Frozen Bakery Products, Except Bread	311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
	81	2061 Cane Sugar, Except Refining	311311	Sugarcane Mills
	81	2062 Cane Sugar Refining	311312	Cane Sugar Refining
	81	2063 Beet Sugar	311313	Beet Sugar Manufacturing
		@ Candy and Other Confectionery Products		
	82	2064 Chocolate Confectionery	31133	Confectionery Manufacturing from Purchased Chocolate (pt)
	82	2064 Nonchocolate Confectionery Manufacturing	31134	Nonchocolate Confectionery Manufacturing (pt)
		Chocolate and Cocoa Products		
	83	2066 Chocolate Products Made From Purchased	31133	Confectionery Manufacturing from Purchased Chocolate (pt)
	83	2066 Chocolate and Confectionery Products Made	31132	Chocolate and Confectionery Manufacturing from Cacao Beans
	84	2067 @ Chewing Gum	31134	Nonchocolate Confectionery Manufacturing (pt)
	85	2068 @ Salted and Roasted Nuts and Seeds @ Cottonseed Oil Mills	311911	Roasted Nuts and Peanut Butter Manufacturing (pt)
	86	2074 Cottonseed Processing	311223	Other Oilseed Processing (pt)
	86	2074 Processing Purchased Cottonseed Oil	311225	Fats and Oils Refining and Blending (pt)
		Soybean Oil Mills		
	87	2075 Soybean Processing	311222	Soybean Processing (pt)
	87	2075 Processing Purchased Soybean Oil	311225	Fats and Oils Refining and Blending (pt)
		@ Vegetable Oil Mills, Except Corn, Cottonseed,		
	88	2076 Vegetable Oilseed Processing, except	311223	Other Oilseed Processing (pt)
	88	2076 Processing Purchased Vegetable Oils, @ Animal and Marine Fats and Oils	311225	Fats and Oils Refining and Blending (pt)
	89	2077 Animal Fats and Oils	311613	Rendering and Meat Byproduct Processing
	89	2077 Canned Marine Fats and Oils	311711	Seafood Canning (pt)
	89	2077 Fresh and Frozen Marine Fats and Oils	311712	Fresh and Frozen Seafood Processing (pt)
		Shortening, Table Oils, Margarine, and Other		
	90	2079 Processing Fats and Oils from Purchased	311225	Fats and Oils Refining and Blending (pt)
	90	2079 Processing Soybean Oil from Soybeans	311222	Soybean Processing (pt)
	90	2079 Processing Vegetable Oils, except Malt Beverages	311223	Other Oilseed Processing (pt)
	91	2082 Malt Extract	311942	Spice and Extract Manufacturing (pt)
	91	2082 Except Malt Extract	31212	Breweries
	92	2083 Malt	311213	Malt Manufacturing
	93	2084 Wines, Brandy, and Brandy Spirits	31213	Wineries (pt)
		Distilled and Blended Liquors		
	94	2085 Applejack	31213	Wineries (pt)
	94	2085 Except Applejack	31214	Distilleries
		Bottled and Canned Soft Drinks and Carbonated		
	95	2086 Soft Drinks	312111	Soft Drink Manufacturing
	95	2086 Bottled Water	312112	Bottled Water Manufacturing (pt)
		@ Flavoring Extracts and Flavoring Syrups NEC		
	96	2087 Coffee Flavoring and Syrups	31192	Coffee and Tea Manufacturing (pt)
	96	2087 Flavoring Syrup and Concentrate, Except	31193	Flavoring Syrup and Concentrate Manufacturing
	96	2087 Flavoring Extracts, Except Coffee, and	311942	Spice and Extract Manufacturing (pt)
	96	2087 Powdered Drink Mix	311999	All Other Miscellaneous Food Manufacturing (pt)
	97	2091 @ Canned and Cured Fish and Seafood	311711	Seafood Canning (pt)
	98	2092 @ Prepared Fresh or Frozen Fish and Seafoods	311712	Fresh and Frozen Seafood Processing (pt)
	99	2095 @ Roasted Coffee	31192	Coffee and Tea Manufacturing (pt)
	100	2096 @ Potato Chips, Corn Chips, and Similar Snacks	311919	Other Snack Food Manufacturing (pt)
	101	2097 Manufactured Ice	312113	Ice Manufacturing
	102	2098 Macaroni, Spaghetti, Vermicelli, and Noodles	311823	Dry Pasta Manufacturing (pt)
		Food Preparations, NEC		
	103	2099 Reducing Maple Sap to Maple Syrup	111998	All Other Miscellaneous Crop Farming (pt)
	103	2099 Marshmallow Creme	31134	Nonchocolate Confectionery Manufacturing (pt)
	103	2099 Peanut Butter	311911	Roasted Nuts and Peanut Butter Manufacturing (pt)
	103	2099 Potatoes, Dried and Packaged with Other	311423	Dried and Dehydrated Food Manufacturing (pt)
	103	2099 Perishable Prepared Food	311991	Perishable Prepared Food Manufacturing
	103	2099 Rice, Uncooked and Packaged with Other	31212	Rice Milling (pt)
	103	2099 Tortillas	31183	Tortilla Manufacturing
	103	2099 Dry Pasta Packaged with Other Ingredients	311823	Dry Pasta Manufacturing (pt)
	103	2099 Tea	31192	Coffee and Tea Manufacturing (pt)
	103	2099 Vinegar, Prepared Dips Except Dairy and	311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing (pt)
	103	2099 Spices and Extracts	311942	Spice and Extract Manufacturing (pt)
	103	2099 Other	311999	All Other Miscellaneous Food Manufacturing (pt)
		Tobacco manufactures		
	104	2111 Cigarettes	312221	Cigarette Manufacturing
	105	2121 Cigars	312229	Other Tobacco Product Manufacturing (pt)
	106	2131 @ Chewing and Smoking Tobacco and Snuff @ Tobacco Stemming and Redrying	312229	Other Tobacco Product Manufacturing (pt)
	107	2141 Reconstituted Tobacco	312229	Other Tobacco Product Manufacturing (pt)
	107	2141 Redrying and Stemming	31221	Tobacco Stemming and Redrying

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		Textile mill products		
108	2211	@ Broadwoven Fabric Mills, Cotton	31321	Broadwoven Fabric Mills (pt)
108	2221	@ Broadwoven Fabric Mills, Manmade Fiber and @ Broadwoven Fabric Mills, Wool (Including	31321	Broadwoven Fabric Mills (pt)
108	2231	Except Wool Finishing only	31321	Broadwoven Fabric Mills (pt)
108	2231	Wool Broadwoven Fabric Finishing only	313311	Broadwoven Fabric Finishing Mills (pt)
108	2231	Wool Finishing only, Except Broadwoven	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
109	2241	Narrow Fabric and Other Smallware Mills: @ Women's Full-Length and Knee-Length Hosiery,	313221	Narrow Fabric Mills (pt)
110	2251	Dyeing and Finishing Only	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
110	2251	Except Dyeing and Finishing Only Hosiery, NEC	315111	Sheer Hosiery Mills (pt)
111	2252	Dyeing and Finishing Only	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
111	2252	Girls' Hosiery, Except Dyeing and	315111	Sheer Hosiery Mills (pt)
111	2252	Socks, Except Dyeing and Finishing Only @ Knit Outerwear Mills	315119	Other Hosiery and Sock Mills
112	2253	Dyeing and Finishing Only	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
112	2253	Bathrobes and Lounging Robes Made in	315192	Underwear and Nightwear Knitting Mills (pt)
112	2253	Except Dyeing and Finishing Only and Knit Underwear and Nightwear Mills	315191	Outerwear Knitting Mills (pt)
113	2254	Dyeing and Finishing Only	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
113	2254	Except Dyeing and Finishing Only @ Weft Knit Fabric Mills	315192	Underwear and Nightwear Knitting Mills (pt)
114	2257	Except Finishing	313241	Weft Knit Fabric Mills (pt)
114	2257	Finishing Only @ Lace and Warp Knit Fabric Mills	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
114	2258	Except Finishing	313249	Other Knit Fabric and Lace Mills (pt)
114	2258	Finishing Only @ Knitting Mills, NEC	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
115	2259	Knit Gloves and Mittens	315191	Outerwear Knitting Mills (pt)
115	2259	Girdles	315192	Underwear and Nightwear Knitting Mills (pt)
115	2259	Finished Articles of Weft Knit Fabric	313241	Weft Knit Fabric Mills (pt)
115	2259	Knit Gloves and Mittens, Dyeing and	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
115	2259	Finished Articles of Warp Knit Fabric	313249	Other Knit Fabric and Lace Mills (pt)
108	2261	@ Finishers of Broadwoven Fabrics of Cotton	313311	Broadwoven Fabric Finishing Mills (pt)
108	2262	@ Finishers of Broadwoven Fabrics of Manmade	313311	Broadwoven Fabric Finishing Mills (pt)
116	2269	@ Finishers of Textiles, NEC	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
117	2273	Carpets and Rugs	314111	Carpet and Rug Mills
116	2281	@ Yarn Spinning Mills	313111	Yarn Spinning Mills (pt)
116	2282	Yarn Texturizing, Throwing, Twisting, and @ Thread Mills	313112	Yarn Texturizing, Throwing, and Twisting Mills
118	2284	Except Finishing	313113	Thread Mills (pt)
118	2284	Finishing	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
119	2295	@ Coated Fabrics, Not Rubberized	31332	Fabric Coating Mills (pt)
120	2296	Tire Cord and Fabrics	314992	Tire Cord and Tire Fabric Mills
121	2297	@ Nonwoven Fabrics	31323	Nonwoven Fabric Mills (pt)
122	2298	Cordage and Twine @ Textile Goods, NEC	314991	Rope, Cordage, and Twine Mills
123	2299	Broadwoven Fabric of Jute, Linen, Hemp,	31321	Broadwoven Fabric Mills (pt)
123	2299	Nonwoven Felt	31323	Nonwoven Fabric Mills (pt)
123	2299	Finishing Thread and Yarn of Flax, Hemp,	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
123	2299	Narrow Woven Fabric of Jute, Linen, Hemp,	313221	Narrow Fabric Mills (pt)
123	2299	Thread of Hemp, Linen, and Ramie	313113	Thread Mills (pt)
123	2299	Yarn of Flax, Hemp, Jute, and Ramie	313111	Yarn Spinning Mills (pt)
123	2299	Recovery and Processing of Fibers and	314999	All Other Miscellaneous Textile Product Mills (pt)
		Apparel and other textile products		
124	2311	@ Men's and Boys' Suits, Coats, and Overcoats	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2311	Except Contractors	315222	Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing (pt)
124	2321	@ Men's and Boys' Shirts, Except Work Shirts	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2321	Except Contractors	315223	Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing (pt)
124	2322	Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2322	Except Contractors Men's and Boys' Neckwear	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing (pt)
124	2323	Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2323	Except Contractors @ Men's and Boys' Trousers and Slacks	315993	Men's and Boys' Neckwear Manufacturing
124	2325	Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2325	Except Contractors @ Men's and Boys' Work Clothing	315224	Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing (pt)
124	2326	Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2326	Except Contractors @ Men's and Boys' Clothing, NEC	315225	Men's and Boys' Cut and Sew Work Clothing Manufacturing
124	2329	Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2329	Except Contractors	315228	Men's and Boys' Cut and Sew Other Outerwear Manufacturing (pt)
124	2329	Athletic Uniforms, Except Contractors @ Women's, Misses', and Juniors' Blouses and	315299	All Other Cut and Sew Apparel Manufacturing (pt)
124	2331	Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2331	Except Contractors @ Women's, Misses', and Juniors' Dresses	315232	Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing (pt)
124	2335	Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2335	Except Contractors @ Women's, Misses' and Juniors' Suits, Skirts,	315233	Women's and Girls' Cut and Sew Dress Manufacturing (pt)
124	2337	Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2337	Except Contractors	315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing (pt)

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		@ Women's, Misses', and Juniors' Outerwear, NEC		
124	2339	Scarves, Except Contractors	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
124	2339	Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2339	Athletic Uniforms, Except Contractors	315299	All Other Cut and Sew Apparel Manufacturing (pt)
124	2339	All Other, Except Contractors	315239	Women's and Girls' Cut and Sew Other Outerwear Manufacturing (pt)
		@ Women's, Misses', Children's, and Infants'		
124	2341	Women's, Girls' and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2341	Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2341	Women's and Girls', Except Contractors	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing (pt)
124	2341	Boys', Except Contractors	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing (pt)
124	2341	Infants', Except Contractors	315291	Infants' Cut and Sew Apparel Manufacturing (pt)
		@ Brassieres, Girdles, and Allied Garments		
124	2342	Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2342	Except contractors	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing (pt)
		Hats, Caps, and Millinery		
124	2353	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2353	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2353	Except Contractors	315991	Hat, Cap, and Millinery Manufacturing
		@ Girls', Children's, and Infants' Dresses,		
124	2361	Infants' Dresses, Blouses, and Shirts,	315291	Infants' Cut and Sew Apparel Manufacturing (pt)
124	2361	Boys' Shirts, Except Contractors	315223	Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing (pt)
124	2361	Boys' Shirt Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2361	Girls' Blouses and Shirts, Except	315232	Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing (pt)
124	2361	Girls' Dresses, Except Contractors	315233	Women's and Girls' Cut and Sew Dress Manufacturing (pt)
124	2361	Girls' and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
		@ Girls', Children's, and Infants' Outerwear,		
124	2369	Infants' Outerwear, NEC, Except	315291	Infants' Cut and Sew Apparel Manufacturing (pt)
124	2369	Boys' Suits and Coats, Except Contractors	315222	Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing (pt)
124	2369	Boys' Trousers and Slacks, Except	315224	Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing (pt)
124	2369	Boys' Outerwear, NEC, Except Contractors	315228	Men's and Boys' Cut and Sew Other Outerwear Manufacturing (pt)
124	2369	Boys' Robes, Except Contractors	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing (pt)
124	2369	Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2369	Girls' Suits, Coats, Skirts, Etc., Except Contractors	315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing (pt)
124	2369	Girls' Outerwear, NEC, Except Contractors	315239	Women's and Girls' Cut and Sew Other Outerwear Manufacturing (pt)
124	2369	Girls' Robes, Except Contractors	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing (pt)
124	2369	Girls' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
		Fur Goods		
124	2371	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2371	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2371	Except Contractors	315292	Fur and Leather Apparel Manufacturing (pt)
		@ Dress and Work Gloves, Except Knit and		
124	2381	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2381	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2381	Except Contractors	315992	Glove and Mitten Manufacturing (pt)
		@ Robes and Dressing Gowns		
124	2384	Women's Except Contractors	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing (pt)
124	2384	Men's Except Contractors	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing (pt)
124	2384	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2384	Women's and Girls' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
		@ Waterproof Outerwear		
124	2385	Men's and Boys' Water Resistant or Water	315222	Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing (pt)
124	2385	Women's and Girls' Water Resistant or Water Repellent Tailored Coats	315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing (pt)
124	2385	Men's and Boys' Water Resistant or Water	315228	Men's and Boys' Cut and Sew Other Outerwear Manufacturing (pt)
124	2385	Women's and Girls' Water Resistant or	315239	Women's and Girls' Cut and Sew Other Outerwear Manufacturing (pt)
124	2385	Infants' Waterproof Outerwear Except	315291	Infants' Cut and Sew Apparel Manufacturing (pt)
124	2385	Waterproof Rubber and Plastics Outerwear,	315299	All Other Cut and Sew Apparel Manufacturing (pt)
124	2385	Accessories such as Aprons, Bibs, and	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
124	2385	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2385	Women's and Girls' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
		@ Leather and Sheep-Lined Clothing		
124	2386	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2386	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2386	Except Contractors	315292	Fur and Leather Apparel Manufacturing (pt)
		@ Apparel Belts		
124	2387	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
124	2387	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2387	Except Contractors	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
		@ Apparel and Accessories, NEC		
124	2389	Handkerchiefs, Arm bands, etc.	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
124	2389	Academic and Clerical Outerwear	315299	All Other Cut and Sew Apparel Manufacturing (pt)
124	2389	Garters and Garter Belts	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing (pt)
124	2389	Women's Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
124	2389	Men's Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
125	2391	Curtains and Draperies	314121	Curtain and Drapery Mills (pt)
		@ Housefurnishings, Except Curtains and		
126	2392	Blanket, Laundry, and Garment Storage	314911	Textile Bag Mills (pt)
126	2392	Dust Rags	314999	All Other Miscellaneous Textile Product Mills (pt)
126	2392	Mops, Floor and Dust	339994	Broom, Brush, and Mop Manufacturing (pt)
126	2392	Other Housefurnishings	314129	Other Household Textile Product Mills (pt)
127	2393	@ Textile Bags	314911	Textile Bag Mills (pt)
128	2394	Canvas and Related Products	314912	Canvas and Related Product Mills (pt)
		@ Pleating, Decorative and Novelty Stitching,		

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
129	2395	Pleating and Stitching, Except Apparel	314999	All Other Miscellaneous Textile Product Mills (pt)
129	2395	Men's and Boys' Apparel Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
129	2395	Women's, Girls', and Infants' Apparel	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
		@ Automotive Trimmings, Apparel Findings, and		
130	2396	Textile Automotive Trimmings	33636	Motor Vehicle Seating and Interior Trim Manufacturing (pt)
130	2396	Apparel Findings and Trimmings	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
130	2396	Printing and Embossing on Fabric Articles	323113	Commercial Screen Printing (pt)
130	2396	Other Apparel Products	314999	All Other Miscellaneous Textile Product Mills (pt)
131	2397	Schiffli Machine Embroideries	313222	Schiffli Machine Embroidery
		Fabricated Textile Products, NEC		
132	2399	Seat Belts and Seat and Tire Covers	33636	Motor Vehicle Seating and Interior Trim Manufacturing (pt)
132	2399	Apparel and Apparel Accessories	315999	Other Apparel Accessories and Other Apparel Manufacturing (pt)
132	2399	Other Fabricated Textile Products	314999	All Other Miscellaneous Textile Product Mills (pt)
		Lumber and wood products		
133	2411	Logging	11331	Logging
		@ Sawmills and Planing Mills, General		
134	2421	Lumber Manufacturing from Purchased	321912	Cut Stock, Resawing Lumber, and Planing (pt)
134	2421	Sawmills	321113	Sawmills (pt)
134	2421	Softwood Flooring	321918	Other Millwork (including Flooring) (pt)
134	2421	Kiln Drying	321999	All Other Miscellaneous Wood Product Manufacturing (pt)
		Hardwood Dimension and Flooring Mills		
135	2426	Hardwood Flooring	321918	Other Millwork (including Flooring) (pt)
135	2426	Wood Furniture Frames	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
135	2426	Hardwood Dimension Lumber Made From Logs	321113	Sawmills (pt)
135	2426	Other Hardwood Dimension Except Flooring	321912	Cut Stock, Resawing Lumber, and Planing (pt)
		@ Special Product Sawmills, NEC		
136	2429	Shingle Mills, Shakes	321113	Sawmills (pt)
136	2429	Stave Manufacturing from Purchased Lumber	321912	Cut Stock, Resawing Lumber, and Planing (pt)
136	2429	Cooperage Stock	32192	Wood Container and Pallet Manufacturing (pt)
136	2429	Excelsior and Cooperage Headings	321999	All Other Miscellaneous Wood Product Manufacturing (pt)
		Millwork		
137	2431	Wood Windows and Doors	321911	Wood Window and Door Manufacturing
137	2431	Except Wood Windows and Doors	321918	Other Millwork (including Flooring) (pt)
138	2434	Wood Kitchen Cabinets	33711	Wood Kitchen Cabinet and Countertop Manufacturing (pt)
139	2435	Hardwood Veneer and Plywood	321211	Hardwood Veneer and Plywood Manufacturing
139	2436	Softwood Veneer and Plywood	321212	Softwood Veneer and Plywood Manufacturing
		Structural Wood Members, NEC		
140	2439	Trusses	321214	Truss Manufacturing
140	2439	Except Trusses	321213	Engineered Wood Member (except Truss) Manufacturing
141	2441	Nailed and Lock Corner Wood Boxes and Shook	32192	Wood Container and Pallet Manufacturing (pt)
142	2448	Wood Pallets and Skids	32192	Wood Container and Pallet Manufacturing (pt)
141	2449	Wood Containers, NEC	32192	Wood Container and Pallet Manufacturing (pt)
143	2451	Mobile Homes	321991	Manufactured Home (Mobile Home) Manufacturing
144	2452	Prefabricated Wood Buildings and Components	321992	Prefabricated Wood Building Manufacturing
145	2491	Wood Preserving	321114	Wood Preservation
146	2493	Reconstituted Wood Products	321219	Reconstituted Wood Product Manufacturing
		Wood Products, NEC		
147	2499	Mirror and Picture Frames	339999	All Other Miscellaneous Manufacturing (pt)
147	2499	Wood Cooling Towers	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
147	2499	Wood Tubs and Vats, Jewelry, Cigar Boxes,	32192	Wood Container and Pallet Manufacturing (pt)
147	2499	Other Wood Products	321999	All Other Miscellaneous Wood Product Manufacturing (pt)
		Furniture and fixtures		
		Wood Household Furniture, Except Upholstered		
148	2511	Wood Box Spring Frames	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
148	2511	Except Wood Box Spring Frames	337122	Nonupholstered Wood Household Furniture Manufacturing (pt)
149	2512	Wood Household Furniture, Upholstered	337121	Upholstered Household Furniture Manufacturing (pt)
		Metal Household Furniture		
150	2514	Except Upholstered and Metal Box Spring	337124	Metal Household Furniture Manufacturing
150	2514	Upholstered	337121	Upholstered Household Furniture Manufacturing (pt)
150	2514	Metal Box Spring Frames	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
		Mattresses, Foundations, and Convertible Beds		
151	2515	Mattresses and Foundations	33791	Mattress Manufacturing
151	2515	Convertible Sofas	337121	Upholstered Household Furniture Manufacturing (pt)
152	2517	Wood Television, Radio, Phonograph and Sewing	333129	Wood Television, Radio, and Sewing Machine Cabinet Manufacturing
153	2519	Household Furniture, NEC	337125	Household Furniture (except Wood and Metal) Manufacturing
154	2521	Wood Office Furniture	337211	Wood Office Furniture Manufacturing
155	2522	Office Furniture, Except Wood	337214	Office Furniture (except Wood) Manufacturing
		@ Public Building and Related Furniture		
156	2531	Seats for Motor Vehicles	33636	Motor Vehicle Seating and Interior Trim Manufacturing (pt)
156	2531	Furniture Made for Public Buildings	337127	Institutional Furniture Manufacturing (pt)
156	2531	Blackboards	339942	Lead Pencil and Art Good Manufacturing (pt)
		Wood Office and Store Fixtures, Partitions,		
157	2541	Wood Lunchroom Tables and Chairs	337127	Institutional Furniture Manufacturing (pt)
157	2541	Custom Architectural Woodwork, Millwork	337212	Custom Architectural Woodwork and Millwork Manufacturing
157	2541	Except Countertops, Custom Architectural	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
		Office and Store Fixtures, Partitions,		
158	2542	Lunchroom Tables and Chairs (except wood)	337127	Institutional Furniture Manufacturing (pt)
158	2542	Except Lunchroom Tables and Chairs	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
159	2591	Drapery Hardware and Window Blinds and Shades	33792	Blind and Shade Manufacturing
		@ Furniture and Fixtures, NEC		
160	2599	Hospital Beds	339111	Laboratory Apparatus and Furniture Manufacturing (pt)
160	2599	Except Hospital Beds	337127	Institutional Furniture Manufacturing (pt)
		Paper and allied products		
		Pulp Mills		
161	2611	Pulp Producing Mills Only	32211	Pulp Mills
161	2611	Pulp Mills Producing Paper	322121	Paper (except Newsprint) Mills (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
161	2611	Pulp Mills Producing Newsprint	322122	Newsprint Mills (pt)
161	2611	Pulp Mills Producing Paperboard @ Paper Mills	32213	Paperboard Mills (pt)
162	2621	Except Newsprint Mills	322121	Paper (except Newsprint) Mills (pt)
162	2621	Newsprint Mills	322122	Newsprint Mills (pt)
163	2631	Paperboard Mills	32213	Paperboard Mills (pt)
164	2652	Setup Paperboard Boxes	322213	Setup Paperboard Box Manufacturing
164	2653	Corrugated and Solid Fiber Boxes	322211	Corrugated and Solid Fiber Box Manufacturing (pt)
164	2655	Fiber Cans, Tubes, Drums, and Similar	322214	Fiber Can, Tube, Drum, and Similar Products Manufacturing
164	2656	Sanitary Food Containers, Except Folding	322215	Nonfolding Sanitary Food Container Manufacturing
164	2657	Folding Paperboard Boxes, Including Sanitary Packaging Paper and Plastics Film, Coated and	322212	Folding Paperboard Box Manufacturing
165	2671	Single-Web Paper, Paper Multiweb	322221	Coated and Laminated Packaging Paper and Plastics Film Manufacturing
165	2671	Plastics Packaging Film and Sheet	326112	Unsupported Plastics Packaging Film and Sheet Manufacturing
166	2672	Coated and Laminated Paper, NEC Plastics, Foil, and Coated Paper Bags	322222	Coated and Laminated Paper Manufacturing (pt)
167	2673	Except All Plastics	322223	Plastics, Foil, and Coated Paper Bag Manufacturing
167	2673	Plastics Bags	326111	Unsupported Plastics Bag Manufacturing
168	2674	Uncoated Paper and Multiwall Bags @ Die-Cut Paper and Paperboard and Cardboard	322224	Uncoated Paper and Multiwall Bag Manufacturing
169	2675	File Folders, Tabulating Cards, and Other	322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing (pt)
169	2675	Pasted, Lined, Laminated, or	322226	Surface-Coated Paperboard Manufacturing
169	2675	Die-Cut Paper and Paperboard Products,	322299	All Other Converted Paper Product Manufacturing (pt)
170	2676	Sanitary Paper Products	322291	Sanitary Paper Product Manufacturing (pt)
171	2677	Envelopes	322232	Envelope Manufacturing
172	2678	Stationery, Tablets, and Related Products @ Converted Paper and Paperboard Products, NEC	322233	Stationery, Tablet, and Related Product Manufacturing
173	2679	Corrugated Paper	322211	Corrugated and Solid Fiber Box Manufacturing (pt)
173	2679	Wallpaper and Gift Wrap Paper	322222	Coated and Laminated Paper Manufacturing (pt)
173	2679	Paper Supplies for Business Machines and	322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing (pt)
173	2679	Other Converted Paper and Paperboard	322299	All Other Converted Paper Product Manufacturing (pt)
		Printing and publishing		
174	2711	Newspapers: Publishing, or Publishing and	51111	Newspaper Publishers
175	2721	Periodicals: Publishing, or Publishing and Books: Publishing, or Publishing and Printing	51112	Periodical Publishers (pt)
176	2731	Music Book Publishing	51223	Music Publishers (pt)
176	2731	All Other Book Publishers	51113	Book Publishers
177	2732	Book Printing	323117	Books Printing
		Miscellaneous Publishing		
178	2741	Database Publishing	51114	Database and Directory Publishers (pt)
178	2741	Shopping News	51112	Periodical Publishers (pt)
178	2741	Technical Manuals and Books	51113	Book Publishers (pt)
178	2741	Sheet Music Publishers	51223	Music Publishers (pt)
178	2741	Miscellaneous Publishing, Except @ Commercial Printing, Lithographic	511199	All Other Publishers
179	2752	Quick Printing	323114	Quick Printing (pt)
179	2752	Except Quick Printing	323110	Commercial Lithographic Printing (pt)
179	2754	Commercial Printing, Gravure @ Commercial Printing, NEC	323111	Commercial Gravure Printing (pt)
179	2759	Screen Printing	323113	Commercial Screen Printing (pt)
179	2759	Flexographic Printing	323112	Commercial Flexographic Printing (pt)
179	2759	Quick Printing	323114	Quick Printing (pt)
179	2759	Digital Printing,, except Quick Printing	323115	Digital Printing
179	2759	Other Commercial Printing	323119	Other Commercial Printing (pt)
180	2761	Manifold Business Forms @ Greeting Cards	323116	Manifold Business Forms Printing (pt)
181	2771	Lithographic Printing of Greeting Cards	323110	Commercial Lithographic Printing (pt)
181	2771	Gravure Printing of Greeting Cards	323111	Commercial Gravure Printing (pt)
181	2771	Flexographic Printing of Greeting Cards	323112	Commercial Flexographic Printing (pt)
181	2771	Screen Printing of Greeting Cards	323113	Commercial Screen Printing (pt)
181	2771	Other Printing of Greeting Cards	323119	Other Commercial Printing (pt)
181	2771	Publishing Greeting Cards @ Blankbooks, Loose-leaf Binders and Devices	511191	Greeting Card Publishers
182	2782	Printing of Checkbooks	323116	Manifold Business Forms Printing (pt)
182	2782	Blankbooks, Loose-leaf Binders and	323118	Blankbook, Looseleaf Binders, and Devices Manufacturing
183	2789	Bookbinding and Related Work	323121	Tradebinding and Related Work
184	2791	@ Typesetting	323122	Prepress Services (pt)
185	2796	@ Platemaking and Related Services	323122	Prepress Services (pt)
		Chemicals and allied products		
186	2812	Alkalies and Chlorine	325181	Alkalies and Chlorine Manufacturing
187	2813	Industrial Gases Inorganic Pigments	32512	Industrial Gas Manufacturing (pt)
188	2816	Except Bone and Lamp Black	325131	Inorganic Dye and Pigment Manufacturing (pt)
188	2816	Bone and Lamp Black @ Industrial Inorganic Chemicals, NEC	325182	Carbon Black Manufacturing (pt)
189,261	2819	Recovering Sulfur from Natural Gas	211112	Natural Gas Liquid Extraction (pt)
189,261	2819	Activated Carbon and Charcoal	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing (pt)
189,261	2819	Alumina	331311	Alumina Refining
189,261	2819	Inorganic Dyes	325131	Inorganic Dye and Pigment Manufacturing (pt)
189,261	2819	Other	325188	All Other Basic Inorganic Chemical Manufacturing (pt)
191	2821	Plastics Material and Synthetic Resins, and	325211	Plastics Material and Resin Manufacturing
192	2822	Synthetic Rubber	325212	Synthetic Rubber Manufacturing
193	2823	Cellulosic Manmade Fibers	325221	Cellulosic Organic Fiber Manufacturing
194	2824	Manmade Organic Fibers, Except Cellulosic	325222	Noncellulosic Organic Fiber Manufacturing
195	2833	Medicinal Chemicals and Botanical Products	325411	Medicinal and Botanical Manufacturing
195	2834	Pharmaceutical Preparations @ In Vitro and In Vivo Diagnostic Substances	325412	Pharmaceutical Preparation Manufacturing (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
195	2835	Except In Vitro Diagnostic	325412	Pharmaceutical Preparation Manufacturing (pt)
195	2835	In Vitro Diagnostic Substances	325413	In-Vitro Diagnostic Substance Manufacturing
195	2836	Biological Products, Except Diagnostic	325414	Biological Product (except Diagnostic) Manufacturing
196	2841	Soaps and Other Detergents, Except Speciality	325611	Soap and Other Detergent Manufacturing (pt)
197	2842	Speciality Cleaning, Polishing, and Sanitary	325612	Polish and Other Sanitation Good Manufacturing
198	2843	Surface Active Agents, Finishing Agents, Perfumes, Cosmetics, and Other Toilet	325613	Surface Active Agent Manufacturing
199	2844	Toilet Preparations, Except Toothpaste	32562	Toilet Preparation Manufacturing
199	2844	Toothpaste	325611	Soap and Other Detergent Manufacturing (pt)
200	2851	Paints, Varnishes, Lacquers, Enamels, and	32551	Paint and Coating Manufacturing (pt)
201	2861	Gum and Wood Chemicals @ Cyclic Organic Crudes and Intermediates, and	325191	Gum and Wood Chemical Manufacturing
190	2865	Aromatics	32511	Petrochemical Manufacturing (pt)
190	2865	Organic Dyes and Pigments	325132	Synthetic Organic Dye and Pigment Manufacturing
190	2865	Other @ Industrial Organic Chemicals, NEC	325192	Cyclic Crude and Intermediate Manufacturing
190	2869	Aliphatics	32511	Petrochemical Manufacturing (pt)
190	2869	Carbon Bisulfide	325188	All Other Basic Inorganic Chemical Manufacturing (pt)
190	2869	Ethyl Alcohol	325193	Ethyl Alcohol Manufacturing
190	2869	Fluorocarbon Gases	32512	Industrial Gas Manufacturing (pt)
190	2869	Other	325199	All Other Basic Organic Chemical Manufacturing (pt)
202	2873	Nitrogenous Fertilizers	325311	Nitrogenous Fertilizer Manufacturing
202	2874	Phosphatic Fertilizers	325312	Phosphatic Fertilizer Manufacturing
203	2875	Fertilizers, Mixing Only	325314	Fertilizer (Mixing Only) Manufacturing
204	2879	Pesticides and Agricultural Chemicals, NEC	32532	Pesticide and Other Agricultural Chemical Manufacturing
205	2891	Adhesives and Sealants	32552	Adhesive Manufacturing
206	2892	Explosives	32592	Explosives Manufacturing
207	2893	Printing Ink	32591	Printing Ink Manufacturing
208	2895	Carbon Black	325182	Carbon Black Manufacturing (pt)
209	2899	Chemicals and Chemical Preparations, NEC	32551	Paint and Coating Manufacturing (pt)
209	2899	Frit	311942	Spice and Extract Manufacturing (pt)
209	2899	Table Salt	325199	All Other Basic Organic Chemical Manufacturing (pt)
209	2899	Fatty Acids	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing (pt)
209	2899	Other		
		Petroleum and coal products		
210	2911	Petroleum Refining	32411	Petroleum Refineries
211	2951	Asphalt Paving Mixtures and Blocks	324121	Asphalt Paving Mixture and Block Manufacturing
212	2952	Asphalt Felts and Coatings	324122	Asphalt Shingle and Coating Materials Manufacturing
213	2992	Lubricating Oils and Greases	324191	Petroleum Lubricating Oil and Grease Manufacturing
214	2999	Products of Petroleum and Coal, NEC	324199	All Other Petroleum and Coal Products Manufacturing (pt)
		Rubber and miscellaneous plastics products		
215	3011	Tires and Inner Tubes	326211	Tire Manufacturing (except Retreading)
216	3021	Rubber and Plastics Footwear	316211	Rubber and Plastics Footwear Manufacturing
217	3052	Rubber and Plastics Hose and Belting	32622	Rubber and Plastics Hoses and Belting Manufacturing
218	3053	Gaskets, Packing, and Sealing Devices	339991	Gasket, Packing, and Sealing Device Manufacturing
219	3061	Molded, Extruded, and Lathe-Cut Mechanical	326291	Rubber Product Manufacturing for Mechanical Use
		Fabricated Rubber Products, NEC		
219	3069	Rubberizing Fabric or Purchased Textile	31332	Fabric Coating Mills (pt)
219	3069	Rubber Pants and Raincoats	315299	All Other Cut and Sew Apparel Manufacturing (pt)
219	3069	Rubber Bibs, Aprons, and Bathing Caps	315999	Other Apparel Accessories and Other Apparel (pt)
219	3069	Rubber Gloves and Life Jackets	339113	Surgical Appliance and Supplies Manufacturing (pt)
219	3069	Rubber Wet Suits	33992	Sporting and Athletic Goods Manufacturing (pt)
219	3069	Rubber Toys, Except Dolls	339932	Game, Toy, and Children's Vehicle Manufacturing (pt)
219	3069	Rubber Resilient Floor Covering	326192	Resilient Floor Covering Manufacturing (pt)
219	3069	Other	326299	All Other Rubber Product Manufacturing
220	3081	Unsupported Plastics Film and Sheet	326113	Unsupported Plastics Film and Sheet (except Packaging) Manufacturing
220	3082	Unsupported Plastics Profile Shapes	326121	Unsupported Plastics Profile Shape Manufacturing (pt)
220	3083	Laminated Plastics Plate, Sheet, and Profile	32613	Laminated Plastics Plate, Sheet, and Shape Manufacturing
220	3084	@ Plastics Pipe	326122	Plastics Pipe and Pipe Fitting Manufacturing (pt)
220	3085	Plastics Bottles	32616	Plastics Bottle Manufacturing
		Plastics Foam Products		
220	3086	Urethane and Other Foam Products	32615	Urethane and Other Foam Product (except Polystyrene) Manufacturing
220	3086	Polystyrene Foam Products	32614	Polystyrene Foam Product Manufacturing
220	3087	Custom Compounding of Purchased Plastics	325991	Custom Compounding of Purchased Resin
220	3088	Plastics Plumbing Fixtures	326191	Plastics Plumbing Fixture Manufacturing
		Plastics Products, NEC		
220	3089	Pipe Fittings	326122	Plastics Pipe and Pipe Fitting Manufacturing (pt)
220	3089	Plastics Sausage Casings	326121	Unsupported Plastics Profile Shape Manufacturing (pt)
220	3089	Finished Plastics Furniture Parts	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
220	3089	Other	326199	All Other Plastics Product Manufacturing (pt)
		Leather and leather products		
221	3111	Leather Tanning and Finishing @ Boot and Shoe Cut Stock and Findings	31611	Leather and Hide Tanning and Finishing (pt)
222	3131	Wood Heels	321999	All Other Miscellaneous Wood Product Manufacturing (pt)
222	3131	Metal Buckles	339993	Fastener, Button, Needle, and Pin Manufacturing (pt)
222	3131	Except Wood Heels and Metal Buckles	316999	All Other Leather Good Manufacturing (pt)
223	3142	House Slippers	316212	House Slipper Manufacturing
224	3143	Men's Footwear, Except Athletic	316213	Men's Footwear (except Athletic) Manufacturing
224	3144	Women's Footwear, Except Athletic	316214	Women's Footwear (except Athletic) Manufacturing
224	3149	Footwear, Except Rubber, NEC	316219	Other Footwear Manufacturing
		Leather Gloves and Mittens		
225	3151	Men's and Boys' Contractors	315211	Men's and Boys' Cut and Sew Apparel Contractors (pt)
225	3151	Women's, Girls', and Infants' Contractors	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors (pt)
225	3151	Except Contractors	315992	Glove and Mitten Manufacturing (pt)
226	3161	Luggage	316991	Luggage Manufacturing
227	3171	Women's Handbags and Purses	316992	Women's Handbag and Purse Manufacturing

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
228	3172	Personal Leather Goods, Except Women's	316993	Personal Leather Good (except Women's Handbag and Purse) Manufacturing
229	3199	@ Leather Goods, NEC	316999	All Other Leather Good Manufacturing (pt)
		Stone, clay, glass, and concrete products		
230	3211	Flat Glass	327211	Flat Glass Manufacturing
231	3221	Glass Containers	327213	Glass Container Manufacturing
230	3229	Pressed and Blown Glass and Glassware, NEC	327212	Other Pressed and Blown Glass and Glassware Manufacturing
230	3231	Glass Products, Made of Purchased Glass	327215	Glass Product Manufacturing Made of Purchased Glass
232	3241	Cement, Hydraulic	32731	Cement Manufacturing
		Brick and Structural Clay Tile		
233	3251	Slumped Brick	327331	Concrete Block and Brick Manufacturing (pt)
233	3251	Except Slump Brick	327121	Brick and Structural Clay Tile Manufacturing
234	3253	Ceramic Wall and Floor Tile	327122	Ceramic Wall and Floor Tile Manufacturing
235	3255	Clay Refractories	327124	Clay Refractory Manufacturing
236	3259	Structural Clay Products, NEC	327123	Other Structural Clay Product Manufacturing
237	3261	Vitreous China Plumbing Fixtures and China and Earthenware Fittings and Bathroom	327111	Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing
238	3262	Vitreous China Table and Kitchen Articles	327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing (pt)
239	3263	Fine Earthenware (Whiteware) Table and Kitchen Articles	327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing (pt)
240	3264	Porcelain Electrical Supplies	327113	Porcelain Electrical Supply Manufacturing
241	3269	Pottery Products, NEC	327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing (pt)
242	3271	Concrete Block and Brick	327331	Concrete Block and Brick Manufacturing
		@ Concrete Products, Except Block and Brick		
243	3272	Dry Mixture Concrete	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing (pt)
243	3272	Concrete Pipes	327332	Concrete Pipe Manufacturing
243	3272	Other Concrete Products	32739	Other Concrete Product Manufacturing
244	3273	Ready-Mixed Concrete	32732	Ready-Mix Concrete Manufacturing
245	3274	Lime	32741	Lime Manufacturing
246	3275	Gypsum Products	32742	Gypsum Product Manufacturing (pt)
247	3281	Cut Stone and Stone Products	327991	Cut Stone and Stone Product Manufacturing
		Abrasive Products		
248	3291	Steel Wool With or Without Soap	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
248	3291	Abrasive Products (Except Steel Wool With Asbestos Products)	32791	Abrasive Product Manufacturing
249	3292	Asbestos Brake Linings and Pads	33634	Motor Vehicle Brake System Manufacturing (pt)
249	3292	Other Asbestos Products	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing (pt)
		Minerals and Earths, Ground or Otherwise		
250	3295	Grinding, Washing, Separating, etc. of	212324	Kaolin and Ball Clay Mining (pt)
250	3295	Grinding, Washing, Separating, etc. of	212325	Clay and Ceramic and Refractory Minerals Mining (pt)
250	3295	Grinding, Washing, Separating, etc. of	212393	Other Chemical and Fertilizer Mineral Mining (pt)
250	3295	Grinding, Washing, Separating, etc. of	212399	All Other Nonmetallic Mineral Mining (pt)
250	3295	Except Grinding, Washing, Separating,	327992	Ground or Treated Mineral and Earth Manufacturing
251	3296	Mineral Wool	327993	Mineral Wool Manufacturing
252	3297	Nonclay Refractories	327125	Nonclay Refractory Manufacturing
		@ Nonmetallic Mineral Products, NEC		
253	3299	Clay Statuary	327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing (pt)
253	3299	Moldings, Ornamental and Architectural	32742	Gypsum Product Manufacturing (pt)
253	3299	Other Nonmetallic Mineral Products	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing (pt)
		Primary metal industries		
		@ Steel Works, Blast Furnaces (Including Coke		
254	3312	Coke Ovens, Not Integrated With Steel	324199	All Other Petroleum and Coal Products Manufacturing (pt)
254	3312	Hot Rolling Purchased Steel	331221	Rolled Steel Shape Manufacturing (pt)
254	3312	Except Coke Ovens Not Integrated with	331111	Iron and Steel Mills (pt)
255	3313	Electrometallurgical Products, Except Steel	331112	Electrometallurgical Ferroalloy Product Manufacturing
		@ Steel Wiredrawing and Steel Nails and Spikes		
256	3315	Steel Wire Drawing	331222	Steel Wire Drawing
256	3315	Nails, Spikes, Paper Clips, and Wire, Not	332618	Other Fabricated Wire Product Manufacturing (pt)
257	3316	Cold-Rolled Steel Sheet, Strip, and Bars	331221	Rolled Steel Shape Manufacturing (pt)
258	3317	Steel Pipe and Tubes	33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
259	3321	Gray and Ductile Iron Foundries	331511	Iron Foundries (pt)
259	3322	Malleable Iron Foundries	331511	Iron Foundries (pt)
259	3324	Steel Investment Foundries	331512	Steel Investment Foundries
259	3325	Steel Foundries, NEC	331513	Steel Foundries (except Investment)
260	3331	Primary Smelting and Refining of Copper	331411	Primary Smelting and Refining of Copper
261	3334	Primary Production of Aluminum	331312	Primary Aluminum Production
262	3339	Primary Smelting and Refining of Nonferrous Metals, Except Copper and Aluminum	331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)
		@ Secondary Smelting and Refining of Nonferrous		
263	3341	Aluminum	331314	Secondary Smelting and Alloying of Aluminum (pt)
263	3341	Copper	331423	Secondary Smelting, Refining, and Alloying of Copper (pt)
263	3341	Except Aluminum and Copper	331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum) (pt)
264	3351	Rolling, Drawing, and Extruding of Copper	331421	Copper Rolling, Drawing, and Extruding
265	3353	Aluminum Sheet, Plate, and Foil	331315	Aluminum Sheet, Plate, and Foil Manufacturing
265	3354	Aluminum Extruded Products	331316	Aluminum Extruded Product Manufacturing
265	3355	Aluminum Rolling and Drawing, NEC	331319	Other Aluminum Rolling and Drawing (pt)
266	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum	331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding (pt)
		@ Drawing and Insulating of Nonferrous Wire		
267	3357	Aluminum Wire Drawing	331319	Other Aluminum Rolling and Drawing (pt)
267	3357	Copper Wire Drawing	331422	Copper Wire (except Mechanical) Drawing
267	3357	Wire Drawing Except Copper or Aluminum	331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding (pt)
267	3357	Fiber Optic Cable - Insulating Only	335921	Fiber Optic Cable Manufacturing
267	3357	All Other	335929	Other Communication and Energy Wire Manufacturing

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
268	3363	Aluminum Die-Castings	331521	Aluminum Die-Casting Foundries
269	3364	Nonferrous Die-Castings, Except Aluminum	331522	Nonferrous (except Aluminum) Die-Casting Foundries
268	3365	Aluminum Foundries	331524	Aluminum Foundries (except Die-Casting)
269	3366	Copper Foundries	331525	Copper Foundries (except Die-Casting)
270	3369	Nonferrous Foundries, Except Aluminum and	331528	Other Nonferrous Foundries (except Die-Casting)
271	3398	Metal Heat Treating	332811	Metal Heat Treating
272	3399	Aluminum Powder, Paste, Flakes, etc.	331314	Secondary Smelting and Alloying of Aluminum (pt)
272	3399	Copper Powder, Flakes, Paste, etc.	331423	Secondary Smelting, Refining, and Alloying of Copper (pt)
272	3399	Other Nonferrous Powder, Paste, Flakes, etc.	331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum) (pt)
272	3399	Making Ferrous Metal Powder, Paste, and	331221	Rolled Steel Shape Manufacturing (pt)
272	3399	Nonferrous Nails, Brads, Staples, etc.	332618	Other Fabricated Wire Product Manufacturing (pt)
272	3399	Laminated Steel	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring (pt)
		Fabricated metal products		
273	3411	Metal Cans	332431	Metal Can Manufacturing
274	3412	Metal Shipping Barrels, Drums, Kegs, and Cutlery	332439	Other Metal Container Manufacturing (pt)
275	3421	Except Tool-Type Shears	332211	Cutlery and Flatware (except Precious) Manufacturing (pt)
275	3421	Tool-Type Shears	332212	Hand and Edge Tool Manufacturing (pt)
276	3423	Hand and Edge Tools, Except Machine Tools and	332212	Hand and Edge Tool Manufacturing (pt)
277	3425	Saw Blades and Handsaws	332213	Saw Blade and Handsaw Manufacturing
		@ Hardware, NEC		
278	3429	Fireplace Fixtures, Traps, Handcuffs and	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
278	3429	Vacuum and Insulated Bottles, Jugs, and	332439	Other Metal Container Manufacturing (pt)
278	3429	Turnbuckles and Hose Clamps	332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing (pt)
278	3429	Luggage and Utility Racks	336399	All Other Motor Vehicle Parts Manufacturing (pt)
278	3429	Fire Hose Nozzles and Couplings	332919	Other Metal Valve and Pipe Fitting Manufacturing (pt)
278	3429	Convertible Bed Sleeper Mechanisms and	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
278	3429	Other Hardware	33251	Hardware Manufacturing (pt)
279	3431	Enameled Iron and Metal Sanitary Ware	332998	Enameled Iron and Metal Sanitary Ware Manufacturing
		Plumbing Fixture Fittings and Trim		
280	3432	Plumbing Fixture Fittings and Trim,	332913	Plumbing Fixture Fitting and Trim Manufacturing
280	3432	Lawn Hose Nozzles	332919	Other Metal Valve and Pipe Fitting Manufacturing (pt)
280	3432	Metal Shower Rods	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
281	3433	Heating Equipment, Except Electric and Warm	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
282	3441	Fabricated Structural Metal	332312	Fabricated Structural Metal Manufacturing (pt)
283	3442	Metal Doors, Sash, Frames, Molding, and Trim	332321	Metal Window and Door Manufacturing (pt)
		@ Fabricated Plate Work (Boiler Shops)		
284	3443	Fabricated Plate Work and Metal Weldments	332313	Plate Work Manufacturing
284	3443	Power Boilers and Heat Exchanges	33241	Power Boiler and Heat Exchanger Manufacturing (pt)
284	3443	Heavy Gauge Tanks	33242	Metal Tank (Heavy Gauge) Manufacturing
284	3443	Metal Cooling Towers	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
		Sheet Metal Work		
285	3444	Ducts, Flumes, Flooring, Siding, Dampers,	332322	Sheet Metal Work Manufacturing
285	3444	Metal Bins and Vats	332439	Other Metal Container Manufacturing (pt)
285	3444	Cooling Towers	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
286	3446	Architectural and Ornamental Metal Work	332323	Ornamental and Architectural Metal Work Manufacturing (pt)
287	3448	Prefabricated Metal Buildings and Components	332311	Prefabricated Metal Building and Component Manufacturing
		@ Miscellaneous Structural Metal Work		
288	3449	Custom Roll Forming	332114	Custom Roll Forming
288	3449	Fabricated Bar Joists and Concrete	332312	Fabricated Structural Metal Manufacturing (pt)
288	3449	Curtain Wall	332321	Metal Window and Door Manufacturing (pt)
288	3449	Metal Plaster Bases	332323	Ornamental and Architectural Metal Work Manufacturing (pt)
289	3451	Screw Machine Products	332721	Precision Turned Product Manufacturing
289	3452	Bolts, Nuts, Screws, Rivets, and Washers	332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing (pt)
290	3462	Iron and Steel Forgings	332111	Iron and Steel Forging
291	3463	Nonferrous Forgings	332112	Nonferrous Forging
292	3465	Automotive Stamping	33637	Motor Vehicle Metal Stamping
293	3466	Crowns and Closures	332115	Crown and Closure Manufacturing
		Metal Stamping, NEC		
294	3469	Metal Stamping, NEC (Except Kitchen	332116	Metal Stamping
294	3469	Kitchen Utensils and Pots and Pans for	332214	Kitchen Utensil, Pot, and Pan Manufacturing
295	3471	Electroplating, Plating, Polishing,	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring (pt)
		Coating, Engraving, and Allied Services, NEC		
296	3479	Jewelry Engraving and Etching, Costume	339914	Costume Jewelry and Novelty Manufacturing (pt)
296	3479	Jewelry Engraving and Etching, Precious	339911	Jewelry (except Costume) Manufacturing (pt)
296	3479	Silverware and Flatware Engraving and	339912	Silverware and Holloware Manufacturing (pt)
296	3479	Other Coating, Engraving and Allied	332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
		Services		
297	3482	Small Arms Ammunition	332992	Small Arms Ammunition Manufacturing
298	3483	Ammunition, Except for Small Arms	332993	Ammunition (except Small Arms) Manufacturing
299	3484	Small Arms	332994	Small Arms Manufacturing (pt)
300	3489	Ordnance and Accessories, NEC	332995	Other Ordnance and Accessories Manufacturing
301	3491	Industrial Valves	332911	Industrial Valve Manufacturing
301	3492	Fluid Power Valves and Hose Fittings	332912	Fluid Power Valve and Hose Fitting Manufacturing (pt)
302	3493	Steel Springs, Except Wire	332611	Spring (Heavy Gauge) Manufacturing
		Valves and Pipe Fittings, NEC		
303	3494	Except Metal Pipe Hangers and Supports	332919	Other Metal Valve and Pipe Fitting Manufacturing (pt)
303	3494	Metal Pipe Hangers and Supports	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
		Wire Springs		
304	3495	Wire Springs (Except Watch and Clock	332612	Spring (Light Gauge) Manufacturing
304	3495	Watch and Clock Springs	334518	Watch, Clock, and Part Manufacturing (pt)
		Miscellaneous Fabricated Wire Products		
304	3496	Grocery Carts	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing (pt)
304	3496	Except Grocery Carts	332618	Other Fabricated Wire Product Manufacturing (pt)
		Metal Foil and Leaf		
305	3497	Laminated Aluminum Foil Rolls/Sheets for	322225	Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses
305	3497	Foil and Foil Containers	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
303	3498	Fabricated Pipe and Pipe Fittings Fabricated Metal Products, NEC	332996	Fabricated Pipe and Pipe Fitting Manufacturing
306	3499	Metal Furniture Frames	337215	Showcase, Partition, Shelving, and Locker Manufacturing (pt)
306	3499	Metal Motor Vehicle Seating and Interior Trim Frames	33636	Motor Vehicle Seating and Interior Trim Manufacturing (pt)
306	3499	Powder Metallurgy	332117	Powder Metallurgy Part Manufacturing
306	3499	Metal Boxes	332439	Other Metal Container Manufacturing (pt)
306	3499	Safe and Vault Locks	33251	Hardware Manufacturing (pt)
306	3499	Metal Aerosol Valves	332919	Other Metal Valve and Pipe Fitting Manufacturing (pt)
306	3499	Other Metal Products	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
307	3511	Industrial machinery and equipment Steam, Gas, and Hydraulic Turbines, and Internal Combustion Engines, NEC	333611	Turbine and Turbine Generator Set Unit Manufacturing
308	3519	Stationary Engine Radiators	336399	All Other Motor Vehicle Parts Manufacturing (pt)
308	3519	Except Stationary Engine Radiators @ Farm Machinery and Equipment	333618	Other Engine Equipment Manufacturing (pt)
309	3523	Farm Machinery and Equipment (Except	333111	Farm Machinery and Equipment Manufacturing
309	3523	Corrals, Stalls, Holding Gates	332323	Ornamental and Architectural Metal Work Manufacturing (pt)
309	3523	Hand Hair Clippers for Animals	332212	Hand and Edge Tool Manufacturing (pt)
309	3523	Farm Conveyors and Farm Elevators, Lawn and Garden Tractors and Home Lawn and	333922	Conveyor and Conveying Equipment Manufacturing (pt)
310	3524	Lawn and Garden Tractors and Home Lawn and Garden Equipment (Except Nonpowered	333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
310	3524	Nonpowered Lawnmowers @ Construction Machinery and Equipment	332212	Hand and Edge Tool Manufacturing (pt)
311	3531	Railway Track Maintenance Equipment	33651	Railroad Rolling Stock Manufacturing (pt)
311	3531	Winches, Aerial Work Platforms, and	333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing (pt)
311	3531	Other Construction Machinery and	33312	Construction Machinery Manufacturing
312	3532	Mining Machinery and Equipment, Except Oil	333131	Mining Machinery and Equipment Manufacturing
313	3533	Oil and Gas Field Machinery and Equipment	333132	Oil and Gas Field Machinery and Equipment Manufacturing
314	3534	Elevators and Moving Stairways	333921	Elevator and Moving Stairway Manufacturing
315	3535	Conveyors and Conveying Equipment	333922	Conveyor and Conveying Equipment Manufacturing (pt)
316	3536	Overhead Traveling Cranes, Hoists, and Industrial Trucks, Tractors, Trailers, and	333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing (pt)
317	3537	Industrial Trucks, Tractors, Trailers, and	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
317	3537	Metal Pallets	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
317	3537	Metal Air Cargo Containers	332439	Other Metal Container Manufacturing (pt)
318	3541	Machine Tools, Metal Cutting Type	333512	Machine Tool (Metal Cutting Types) Manufacturing
319	3542	Machine Tools, Metal Forming Type	333513	Machine Tool (Metal Forming Types) Manufacturing
320	3543	Industrial Patterns Special Dies and Tools, Die Sets, Jigs and	332997	Industrial Pattern Manufacturing
321	3544	Except Industrial Molds	333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
321	3544	Industrial Molds @ Cutting Tools, Machine Tool Accessories, and	333511	Industrial Mold Manufacturing
321	3545	Cutting Tools, Machine Tool Accessories,	333515	Cutting Tool and Machine Tool Accessory Manufacturing
321	3545	Precision Measuring Devices	332212	Hand and Edge Tool Manufacturing (pt)
322	3546	Power-Driven Handtools	333991	Power-Driven Handtool Manufacturing
323	3547	Rolling Mill Machinery and Equipment @ Electric and Gas Welding and Soldering	333516	Rolling Mill Machinery and Equipment Manufacturing
324	3548	Except Transformers for Arc-Welding	333992	Welding and Soldering Equipment Manufacturing
324	3548	Transformers for Arc-Welding	335311	Power, Distribution, and Specialty Transformer Manufacturing (pt)
325	3549	Metalworking Machinery, NEC	333518	Other Metalworking Machinery Manufacturing
326	3552	Textile Machinery	333292	Textile Machinery Manufacturing
327	3553	Woodworking Machinery	33321	Sawmill and Woodworking Machinery Manufacturing
328	3554	Paper Industries Machinery	333291	Paper Industry Machinery Manufacturing
329	3555	Printing Trades Machinery and Equipment	333293	Printing Machinery and Equipment Manufacturing
330	3556	Food Products Machinery @ Special Industry Machinery, NEC	333294	Food Product Machinery Manufacturing
331	3559	Rubber and Plastics Manufacturing	33322	Plastics and Rubber Industry Machinery Manufacturing
331	3559	Nuclear Control Drive Mechanisms	33241	Power Boiler and Heat Exchanger Manufacturing (pt)
331	3559	Automotive Maintenance Equipment	333319	Other Commercial and Service Industry Machinery Manufacturing (pt)
331	3559	Semiconductor Machinery Manufacturing	333295	Semiconductor Machinery Manufacturing
331	3559	Cotton Ginning Machinery	333111	Farm Machinery and Equipment Manufacturing (pt)
331	3559	Except Rubber and Plastics Manufacturing	333298	All Other Industrial Machinery Manufacturing (pt)
332	3561	Pumps and Pumping Equipment	333911	Pump and Pumping Equipment Manufacturing (pt)
333	3562	Ball and Roller Bearings	332991	Ball and Roller Bearing Manufacturing
332	3563	Air and Gas Compressors Industrial and Commercial Fans and Blowers	333912	Air and Gas Compressor Manufacturing
334	3564	Air Purification Equipment	333411	Air Purification Equipment Manufacturing
334	3564	Fans and Blowers	333412	Industrial and Commercial Fan and Blower Manufacturing
335	3565	Packaging Machinery	333993	Packaging Machinery Manufacturing
336	3566	Speed Changers, Industrial High-Speed Drives,	333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
337	3567	Industrial Process Furnaces and Ovens	333994	Industrial Process Furnace and Oven Manufacturing
336	3568	Mechanical Power Transmission Equipment, NEC General Industrial Machinery and Equipment,	333613	Mechanical Power Transmission Equipment Manufacturing
338	3569	Electric Swimming Pool Heaters	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
338	3569	Textile Fire Hose	314999	All Other Miscellaneous Textile Product Mills (pt)
338	3569	Except Electric Swimming Pool Heaters and	333999	All Other Miscellaneous General Purpose Machinery Manufacturing (pt)
339	3571	Electronic Computers	334111	Electronic Computer Manufacturing
340	3572	Computer Storage Devices	334112	Computer Storage Device Manufacturing
341	3575	Computer Terminals Computer Peripheral Equipment, NEC	334113	Computer Terminal Manufacturing
342	3577	Plotter Controllers	334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing (pt)
342	3577	Magnetic Tape Cleaner	334613	Magnetic and Optical Recording Media Manufacturing (pt)
342	3577	Except Plotter Controllers and Magnetic @ Calculating and Accounting Machines, Except	334119	Other Computer Peripheral Equipment Manufacturing (pt)
343	3578	Point of Sales Terminals and Fund	334119	Other Computer Peripheral Equipment Manufacturing (pt)
343	3578	Change Making Machines	333311	Automatic Vending Machine Manufacturing (pt)
343	3578	Calculating and Accounting Machines,	333313	Office Machinery Manufacturing (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		@ Office Machines, NEC		
344	3579	Pencil Sharpeners, Staplers, and Other	339942	Lead Pencil and Art Good Manufacturing (pt)
344	3579	Time Clocks and Other Time Recording	334518	Watch, Clock, and Part Manufacturing (pt)
344	3579	Other Office Machines	333313	Office Machinery Manufacturing (pt)
345	3581	Automatic Vending Machines	333311	Automatic Vending Machine Manufacturing
346	3582	Commercial Laundry, Drycleaning, and Pressing	333312	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing
		Air-Conditioning and Warm Air Heating		
347	3585	Motor Vehicle Air-Conditioning	336391	Motor Vehicle Air-Conditioning Manufacturing
347	3585	Except Motor Vehicle Air-Conditioning	333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
348	3586	Measuring and Dispensing Pumps	333913	Measuring and Dispensing Pump Manufacturing
349	3589	Service Industry Machinery, NEC	333319	Other Commercial and Service Industry Machinery Manufacturing (pt)
350	3592	Carburetors, Pistons, Piston Rings, and	336311	Carburetor, Piston, Piston Ring, and Valve Manufacturing
351	3593	Fluid Power Cylinders and Actuators	333995	Fluid Power Cylinder and Actuator Manufacturing
352	3594	Fluid Power Pumps and Motors	333996	Fluid Power Pump and Motor Manufacturing
353	3596	Scales and Balances, Except Laboratory	333997	Scale and Balance (except Laboratory) Manufacturing
		@ Industrial and Commercial Machinery and		
354	3599	Gasoline, Oil and Intake Filters for	336399	All Other Motor Vehicle Parts Manufacturing (pt)
354	3599	Flexible Metal Hose	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
354	3599	Carnival Amusement Park Equipment	333319	Other Commercial and Service Industry Machinery Manufacturing (pt)
354	3599	Machine Shops	33271	Machine Shops
354	3599	Other Industrial and Commercial Machinery	333999	All Other Miscellaneous General Purpose Machinery Manufacturing (pt)
		Electrical and electronic equipment		
355	3612	Power, Distribution, and Specialty	335311	Power, Distribution, and Specialty Transformer Manufacturing (pt)
356	3613	Switchgear and Switchboard Apparatus	335313	Switchgear and Switchboard Apparatus Manufacturing
357	3621	Motors and Generators	335312	Motor and Generator Manufacturing (pt)
358	3624	Carbon and Graphite Products	335991	Carbon and Graphite Product Manufacturing
359	3625	Relays and Industrial Controls	335314	Relay and Industrial Control Manufacturing
360	3629	Electrical Industrial Apparatus, NEC	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing (pt)
361	3631	Household Cooking Equipment	335221	Household Cooking Appliance Manufacturing
362	3632	Household Refrigerators and Home and Farm	335222	Household Refrigerator and Home Freezer Manufacturing
363	3633	Household Laundry Equipment	335224	Household Laundry Equipment Manufacturing
		Electric Housewares and Fans		
364	3634	Except Wall and Baseboard Heating Units	335211	Electric Housewares and Household Fan Manufacturing
364	3634	Electronic Cigarette Lighters	339999	All Other Miscellaneous Manufacturing (pt)
364	3634	Wall and Baseboard Heating Units For	333414	Heating Equipment (except Warm Air Furnaces) Manufacturing (pt)
365	3635	Household Vacuum Cleaners	335212	Household Vacuum Cleaner Manufacturing (pt)
		Household Appliances, NEC		
366	3639	Floor Waxing and Floor Polishing Machines	335212	Household Vacuum Cleaner Manufacturing (pt)
366	3639	Household Sewing Machines	333298	All Other Industrial Machinery Manufacturing (pt)
366	3639	Other Household Appliances	335228	Other Major Household Appliance Manufacturing
367	3641	Electric Lamp Bulbs and Tubes	33511	Electric Lamp Bulb and Part Manufacturing
368	3643	Current-Carrying Wiring Devices	335931	Current-Carrying Wiring Device Manufacturing
		Noncurrent-Carrying Wiring Devices		
368	3644	Fish Wire, Electrical Wiring Tool	332212	Hand and Edge Tool Manufacturing (pt)
368	3644	All Other Noncurrent-Carrying Wiring	335932	Noncurrent-Carrying Wiring Device Manufacturing
369	3645	Residential Electric Lighting Fixtures	335121	Residential Electric Lighting Fixture Manufacturing (pt)
369	3646	Commercial, Industrial, and Institutional	335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
		Electric Lighting Fixtures		
369	3647	Vehicular Lighting Equipment	336321	Vehicular Lighting Equipment Manufacturing
369	3648	@ Lighting Equipment, NEC	335129	Other Lighting Equipment Manufacturing (pt)
370	3651	Household Audio and Video Equipment	33431	Audio and Video Equipment Manufacturing
		Phonograph Records and Prerecorded Audio		
371	3652	Reproduction of Recording Media	334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing (pt)
371	3652	Integrated Record Companies, Except	51222	Integrated Record Production/Distribution
		Telephone and Telegraph Apparatus		
372	3661	Telephone and Telegraph Apparatus, Except	33421	Telephone Apparatus Manufacturing
372	3661	Consumer External Modems	334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing (pt)
373	3663	Radio and Television Broadcasting and	33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing (pt)
		Communications Equipment		
374	3669	Communications Equipment, NEC	33429	Other Communications Equipment Manufacturing
375	3671	Electron Tubes	334411	Electron Tube Manufacturing
376	3672	Printed Circuit Boards	334412	Bare Printed Circuit Board Manufacturing
377	3674	Semiconductors and Related Devices	334413	Semiconductor and Related Device Manufacturing
378	3675	Electronic Capacitors	334414	Electronic Capacitor Manufacturing
378	3676	Electronic Resistors	334415	Electronic Resistor Manufacturing
378	3677	Electronic Coils, Transformers, and Other	334416	Electronic Coil, Transformer, and Other Inductor Manufacturing (pt)
378	3678	Electronic Connectors	334417	Electronic Connector Manufacturing
		Electronic Components, NEC		
378	3679	Antennas	33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing (pt)
378	3679	Radio Headphones	33431	Audio and Video Equipment Manufacturing (pt)
378	3679	Printed Circuit/Electronics Assembly	334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing (pt)
378	3679	Other Electronic Components	334419	Other Electronic Component Manufacturing
379	3691	Storage Batteries	335911	Storage Battery Manufacturing
380	3692	Primary Batteries, Dry and Wet	335912	Primary Battery Manufacturing
381	3694	Electrical Equipment for Internal Combustion	336322	Other Motor Vehicle Electrical and Electronic Equipment Manufacturing (pt)
		Engines		
382	3695	Magnetic and Optical Recording Media	334613	Magnetic and Optical Recording Media Manufacturing
		Electrical Machinery, Equipment, and		
383	3699	Electronic Teaching Machines and Flight	333319	Other Commercial and Service Industry Machinery Manufacturing (pt)
383	3699	Outboard Electric Motors	333618	Other Engine Equipment Manufacturing (pt)
383	3699	Laser Welding and Soldering Equipment	333992	Welding and Soldering Equipment Manufacturing (pt)
		Other Lasers		
383	3699	Christmas Tree Lighting Sets, Electric	335129	Other Lighting Equipment Manufacturing (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
	383	3699 Other Electrical Machinery, Equipment, and Supplies	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing (pt)
		Transportation equipment @ Motor Vehicles and Passenger Car Bodies		
384	3711	Automobiles	336111	Automobile Manufacturing
384	3711	Light Truck and Utility Vehicles	336112	Light Truck and Utility Vehicle Manufacturing
384	3711	Heavy Duty Trucks	33612	Heavy Duty Truck Manufacturing
384	3711	Kit Car and Other Passenger Car Bodies	336211	Motor Vehicle Body Manufacturing (pt)
384	3711	Military Armored Vehicles	336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing (pt)
385	3713	Truck and Bus Bodies @ Motor Vehicle Parts and Accessories	336211	Motor Vehicle Body Manufacturing (pt)
386	3714	Dump-Truck Lifting Mechanisms and Fifth	336212	Motor Vehicle Body Manufacturing (pt)
386	3714	Gasoline Engines Including Rebuilt and	336312	Gasoline Engine and Engine Parts Manufacturing
386	3714	Wiring Harness Sets, Other than Ignition; Block Heaters and Battery Heaters; Instrument	336322	Other Motor Vehicle Electrical and Electronic Equipment Manufacturing (pt)
386	3714	Steering and Suspension Parts	33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
386	3714	Brake and Brake Systems, Including	33634	Motor Vehicle Brake System Manufacturing (pt)
386	3714	Transmissions and Power Train Parts,	33635	Motor Vehicle Transmission and Power Train Parts Manufacturing
386	3714	Other Motor Vehicle Parts	336399	All Other Motor Vehicle Parts Manufacturing (pt)
387	3715	Truck Trailers	336212	Truck Trailer Manufacturing
388	3716	Motor Homes Aircraft	336213	Motor Home Manufacturing
389	3721	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
389	3721	Except Research and Development Aircraft Engines and Engine Parts	336411	Aircraft Manufacturing (pt)
390	3724	Except Research and Development	336412	Aircraft Engine and Engine Parts Manufacturing (pt)
390	3724	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
		Aircraft Parts and Auxiliary Equipment, NEC		
391	3728	Fluid Power Aircraft Subassemblies	332912	Fluid Power Valve and Hose Fitting Manufacturing (pt)
391	3728	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
391	3728	Target Drones	336411	Aircraft Manufacturing (pt)
391	3728	Except Fluid Power Aircraft Ship Building and Repairing	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
392	3731	Floating Dry Docks Not Associated With	48839	Other Support Activities for Water Transportation (pt)
392	3731	Ship Building and Repairing Except Boat Building and Repairing	336611	Ship Building and Repairing
393	3732	Boat Repair	81149	Other Personal and Household Goods Repair and Maintenance (pt)
393	3732	Boat Building Railroad Equipment	336612	Boat Building
394	3743	Locomotive Fuel Lubricating or Cooling	333911	Pump and Pumping Equipment Manufacturing (pt)
394	3743	Other Railroad Equipment	33651	Railroad Rolling Stock Manufacturing (pt)
395	3751	Motorcycles, Bicycles, and Parts Guided Missiles and Space Vehicles	336991	Motorcycle, Bicycle, and Parts Manufacturing (pt)
396	3761	Except Research and Development	336414	Guided Missile and Space Vehicle Manufacturing
396	3761	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
		Guided Missile and Space Vehicle Propulsion		
390	3764	Except Research and Development	336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
390	3764	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
		Guided Missile Space Vehicle Parts and		
391	3769	Except Research and Development	336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
391	3769	Research and Development	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
397	3792	Travel Trailers and Campers	336214	Travel Trailer and Camper Manufacturing (pt)
398	3795	Tanks and Tank Components @ Transportation Equipment, NEC	336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing (pt)
399	3799	Automobile, Boat, Utility and Light Truck	336214	Travel Trailer and Camper Manufacturing (pt)
399	3799	Trailer Hitches	336399	All Other Motor Vehicle Parts Manufacturing (pt)
399	3799	Wheelbarrows	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing (pt)
399	3799	Other Transportation Equipment	336999	All Other Transportation Equipment Manufacturing
		Instruments and related products		
400	3812	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
401	3821	Laboratory Apparatus and Furniture	339111	Laboratory Apparatus and Furniture Manufacturing (pt)
402	3822	Automatic Controls for Regulating Residential and Commercial Environments and Appliances	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
403	3823	Industrial Instruments for Measurement, Display, and Control of Process Variables;	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
403	3824	Totalizing Fluid Meters and Counting Devices Instruments for Measuring and Testing of	334514	Totalizing Fluid Meter and Counting Device Manufacturing (pt)
404	3825	Automotive Ammeters and Voltmeters	334514	Totalizing Fluid Meter and Counting Device Manufacturing (pt)
404	3825	Except Automotive Ammeters and Voltmeters	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
405	3826	Laboratory Analytical Instruments	334516	Analytical Laboratory Instrument Manufacturing
406	3827	Optical Instruments and Lenses Measuring and Controlling Devices, NEC	333314	Optical Instrument and Lens Manufacturing
403	3829	Motor Vehicle Gauges	334514	Totalizing Fluid Meter and Counting Device Manufacturing (pt)
403	3829	Medical Thermometers	339112	Surgical and Medical Instrument Manufacturing (pt)
403	3829	Electronic Chronometers	334518	Watch, Clock, and Part Manufacturing
403	3829	Except Medical Thermometers, Electronic Surgical and Medical Instruments and	334519	Other Measuring and Controlling Device Manufacturing

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
407	3841	Tranquilizer Guns	332994	Small Arms Manufacturing (pt)
407	3841	Operating Tables	339111	Laboratory Apparatus and Furniture Manufacturing (pt)
407	3841	Except Tranquilizer Guns and Operating @ Orthopedic, Prosthetic, and Surgical	339112	Surgical and Medical Instrument Manufacturing (pt)
408	3842	Incontinent and Bed Pads	322291	Sanitary Paper Product Manufacturing (pt)
408	3842	Orthopedic, Prosthetic, and Surgical	339113	Surgical Appliance and Supplies Manufacturing
408	3842	Electronic Hearing Aids	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing (pt)
409	3843	Dental Equipment and Supplies	339114	Dental Equipment and Supplies Manufacturing
410	3844	X-Ray Apparatus and Tubes and Related Electromedical and Electrotherapeutic	334517	Irradiation Apparatus Manufacturing (pt)
411	3845	CT and CAT Scanners	334517	Irradiation Apparatus Manufacturing (pt)
411	3845	Other Electromedical and Ophthalmic Goods	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing (pt)
412	3851	Intra Ocular Lenses	339113	Surgical Appliance and Supplies Manufacturing (pt)
412	3851	Except Intra Ocular Lenses	339115	Ophthalmic Goods Manufacturing (pt)
413	3861	Photographic Equipment and Supplies	333315	Photographic and Photocopying Equipment Manufacturing
413	3861	Photographic Film, Paper, Plates and	325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
414	3873	Watches, Clocks, Clockwork Operated Devices	334518	Watch, Clock, and Part Manufacturing (pt)
		Miscellaneous manufacturing industries		
415	3911	Jewelry, Precious Metal Silverware, Plated Ware, and Stainless Steel	339911	Jewelry (except Costume) Manufacturing (pt)
416	3914	Cutlery and Flatware Nonprecious and	332211	Cutlery and Flatware (except Precious) Manufacturing (pt)
416	3914	Precious Plated Hollowware	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
416	3914	Silverware, Plated Ware, and Stainless Jewelers' Findings and Materials, and	339912	Silverware and Hollowware Manufacturing (pt)
417	3915	Watch Jewels	334518	Watch, Clock, and Part Manufacturing (pt)
417	3915	Except Watch Jewels	339913	Jewelers' Material and Lapidary Work Manufacturing
418	3931	Musical Instruments	339992	Musical Instrument Manufacturing
419	3942	Dolls and Stuffed Toys Games, Toys, and Children's Vehicles, Except	339931	Doll and Stuffed Toy Manufacturing
420	3944	Metal Tricycles	336991	Motorcycle, Bicycle, and Parts Manufacturing (pt)
420	3944	Other Games, Toys, and Children's	339932	Game, Toy, and Children's Vehicle Manufacturing
421	3949	Sporting and Athletic Goods, NEC	33992	Sporting and Athletic Goods Manufacturing
422	3951	Pens, Mechanical Pencils, and Parts @ Lead Pencils, Crayons, and Artist's Materials	339941	Pen and Mechanical Pencil Manufacturing
423	3952	Drafting Tables and Boards	337127	Institutional Furniture Manufacturing (pt)
423	3952	Drawing and India Ink	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing (pt)
423	3952	Other	339942	Lead Pencil and Art Good Manufacturing (pt)
424	3953	Marking Devices	339943	Marking Device Manufacturing
425	3955	Carbon Paper and Inked Ribbons	339944	Carbon Paper and Inked Ribbon Manufacturing
426	3961	Costume Jewelry and Costume Novelties, Except	339914	Costume Jewelry and Novelty Manufacturing (pt)
427	3965	Fasteners, Buttons, Needles, and Pins	339993	Fastener, Button, Needle, and Pin Manufacturing (pt)
428	3991	Brooms and Brushes Signs and Advertising Specialties	339994	Broom, Brush, and Mop Manufacturing (pt)
429	3993	Signs	33995	Sign Manufacturing
		Advertising Specialties		Classified According to the Product Produced
430	3995	Burial Caskets	339995	Burial Casket Manufacturing
431	3996	Linoleum, Asphalted-Felt-Base, and Other Hard Manufacturing Industries, NEC	326192	Resilient Floor Covering Manufacturing (pt)
432	3999	Beauty and Barber Chairs	337127	Institutional Furniture Manufacturing (pt)
432	3999	Other Beauty and Barber Shop Equipment	333319	Other Commercial and Service Industry Machinery Manufacturing (pt)
432	3999	Fur Dressing and Bleaching	31611	Leather and Hide Tanning and Finishing (pt)
432	3999	Lamp Shades of Paper or Textile	335121	Residential Electric Lighting Fixture Manufacturing (pt)
432	3999	Matches	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing (pt)
432	3999	Metal Products, Such As Combs, Hair	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing (pt)
432	3999	Plastics Products, Such As Combs, Hair	326199	All Other Plastics Product Manufacturing (pt)
432	3999	Electric Hair Clippers for Humans	335211	Electric Housewares and Household Fan Manufacturing (pt)
432	3999	Tape Measures	332212	Hand and Edge Tool Manufacturing (pt)
432	3999	Human Hair Clippers, Hand Operated	332211	Cutlery and Flatware (except Precious) Manufacturing (pt)
432	3999	Embroidery Kits	339932	Game, Toy, and Children's Vehicle Manufacturing (pt)
432	3999	Other	339999	All Other Miscellaneous Manufacturing (pt)
433	4011	Railroads, Line-haul Operating @ Railroad Switching and Terminal	482111	Line-Haul Railroads
433	4013	Beltline and Logging Railroads	482112	Short Line Railroads
433	4013	Other	48821	Support Activities for Rail Transportation (pt)
		Local and interurban passenger transit @ Local and Suburban Transit		
434,510	4111	Mixed Mode Transit Systems	485111	Mixed Mode Transit Systems
434,510	4111	Commuter Rail Systems	485112	Commuter Rail Systems
434,510	4111	Bus and Motor Vehicle Transit Systems	485113	Bus and Other Motor Vehicle Transit Systems
434,510	4111	Other Urban Transit Systems	485119	Other Urban Transit Systems
434,510	4111	Airport Limousine Transportation @ Local Passenger Transportation, NEC	485999	All Other Transit and Ground Passenger Transportation (pt)
434,510	4119	Ambulances	62191	Ambulance Service (pt)
434,510	4119	Employee Transportation	48541	School and Employee Bus Transportation (pt)
434,510	4119	Sightseeing Buses and Cable and Cog	48711	Scenic and Sightseeing Transportation, Land (pt)
434,510	4119	Special Needs Transportation	485991	Special Needs Transportation
434,510	4119	Hearse Rental with Driver and Carpool and	485999	All Other Transit and Ground Passenger Transportation (pt)
434,510	4119	Automobile Rental with Driver and	48532	Limousine Service
434,510	4121	Taxicabs	48531	Taxi Service (pt)
434,510	4131	Intercity and Rural Bus Transportation	48521	Interurban and Rural Bus Transportation
434,510	4141	@ Local Bus Charter Service	48551	Charter Bus Industry (pt)
434,510	4142	Bus Charter Service, Except Local	48551	Charter Bus Industry (pt)
434,510	4151	School Buses	48541	School and Employee Bus Transportation (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
434,510	4173	@ Terminal and Service Facilities for Motor Motor freight transportation and warehousing @ Local Trucking Without Storage	48849	Other Support Activities for Road Transportation (pt)
435	4212	Solid Waste Collection Without Disposal	562111	Solid Waste Collection
435	4212	Hazardous Waste Collection Without	562112	Hazardous Waste Collection
435	4212	Other Waste Collection Without Disposal	562119	Other Waste Collection
435	4212	Local General Freight Trucking Without	48411	General Freight Trucking, Local (pt)
435	4212	Household Goods Moving Without Storage	48421	Used Household and Office Goods Moving (pt)
435	4212	Local Specialized Freight Trucking @ Trucking, Except Local	48422	Specialized Freight (except Used Goods) Trucking, Local (pt)
435	4213	Long-distance Truckload General Freight	484121	General Freight Trucking, Long-Distance, Truckload
435	4213	Long-distance Less Than Truckload General	484122	General Freight Trucking, Long-Distance, Less Than Truckload
435	4213	Long-distance Household Goods Moving	48421	Used Household and Office Goods Moving (pt)
435	4213	Long-distance Specialized Freight @ Local Trucking with Storage	48423	Specialized Freight (except Used Goods) Trucking, Long-Distance
435	4214	Local General Freight Trucking with	48411	General Freight Trucking, Local (pt)
435	4214	Local Household Goods Moving	48421	Used Household and Office Goods Moving (pt)
435	4214	Local Specialized Freight Trucking with @ Courier Services Except by Air	48422	Specialized Freight (except Used Goods) Trucking, Local (pt)
435	4215	Hub and Spoke Intercity Delivery	49211	Couriers (pt)
435	4215	Local Delivery	49221	Local Messengers and Local Delivery
435	4221	Farm Product Warehousing and Storage	49313	Farm Product Warehousing and Storage
435	4222	Refrigerated Warehousing and Storage General Warehousing and Storage	49312	Refrigerated Warehousing and Storage (pt)
435	4225	General Warehousing and Storage	49311	General Warehousing and Storage (pt)
435	4225	Miniwarehouses and Self-Storage Units Special Warehousing and Storage, NEC	53113	Lessors of Miniwarehouses and Self-Storage Units
435	4226	Fur Storage	49312	Refrigerated Warehousing and Storage (pt)
435	4226	General Warehousing in Foreign Trade	49311	General Warehousing and Storage (pt)
435	4226	Other	49319	Other Warehousing and Storage
435	4231	@ Terminal and Joint Terminal Maintenance	48849	Other Support Activities for Road Transportation (pt)
		U.S. Postal Service		
513	4311	United States Postal Service	49111	Postal Service (pt)
		Water transportation		
436	4412	Deep Sea Foreign Transportation of Freight	483111	Deep Sea Freight Transportation
436	4424	@ Deep Sea Domestic Transportation of Freight	483113	Coastal and Great Lakes Freight Transportation (pt)
436	4432	@ Freight Transportation on the Great Lakes -	483113	Coastal and Great Lakes Freight Transportation (pt)
436	4449	Water Transportation of Freight, NEC Deep Sea Transportation of Passengers, Except	483211	Inland Water Freight Transportation
436	4481	Deep Sea Passenger Transportation	483112	Deep Sea Passenger Transportation
436	4481	Coastal and Great Lakes Passenger @ Ferries	483114	Coastal and Great Lakes Passenger Transportation (pt)
436	4482	Coastal and Great Lakes Ferries	483114	Coastal and Great Lakes Passenger Transportation (pt)
436	4482	Inland Water Ferries	483212	Inland Water Passenger Transportation (pt)
436	4489	Water Transportation of Passengers, NEC Water Taxis	483212	Inland Water Passenger Transportation (pt)
436	4489	Airboats, Excursion Boats, and Marine Cargo Handling	48721	Scenic and Sightseeing Transportation, Water (pt)
436	4491	Dock and Pier Operations	48831	Port and Harbor Operations (pt)
436	4491	Except Dock and Pier Operations	48832	Marine Cargo Handling
436	4492	@ Towing and Tugboat Services	48833	Navigational Services to Shipping (pt)
436	4493	Marinas	71393	Marinas
436	4499	@ Water Transportation Services, NEC Boat and Ship Rental	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing (pt)
436	4499	Lighthouse and Canal Operations	48831	Port and Harbor Operations (pt)
436	4499	Marine Salvage and Piloting Vessels In	48833	Navigational Services to Shipping (pt)
436	4499	Other	48839	Other Support Activities for Water Transportation (pt)
		Transportation by air		
		Air Transportation, Scheduled		
437	4512	Scheduled Passenger Air Transportation	481111	Scheduled Passenger Air Transportation
437	4512	Scheduled Freight Air Transportation	481112	Scheduled Freight Air Transportation
437	4513	@ Air Courier Services @ Air Transportation, Nonscheduled	49211	Couriers (pt)
437	4522	Air Ambulance	62191	Ambulance Services (pt)
437	4522	Nonscheduled Charter Freight Air	481212	Nonscheduled Chartered Freight Air Transportation
437	4522	Nonscheduled Charter Passenger Air	481211	Nonscheduled Chartered Passenger Air Transportation
437	4522	Sightseeing Aircraft Airports, Flying Fields, and Airport Terminal	48799	Scenic and Sightseeing Transportation, Other (pt)
437	4581	Air Traffic Control	488111	Air Traffic Control (pt)
437	4581	Airfreight Handling at Airports, Hangar	488119	Other Airport Operations (pt)
437	4581	Aircraft Cleaning and Janitorial Services	56172	Janitorial Services (pt)
437	4581	Aircraft Servicing and Repairing	48819	Other Support Activities for Air Transportation
		Pipelines, except natural gas		
438	4612	Crude Petroleum Pipelines	48611	Pipeline Transportation of Crude Oil
438	4613	Refined Petroleum Pipelines	48691	Pipeline Transportation of Refined Petroleum Products
438	4619	Pipelines, NEC	48699	All Other Pipeline Transportation
		Transportation services		
439	4724	Travel Agencies	56151	Travel Agencies
439	4725	Tour Operators @ Arrangement of Passenger Transportation, NEC	56152	Tour Operators
439	4729	Arrangement of Carpools and Vanpools	488999	All Other Support Activities for Transportation (pt)
439	4729	Except Arrangement of Carpools and	561599	All Other Travel Arrangement and Reservation Services (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		Arrangement of Transportation of Freight and		
	440	Freight Rate Auditors and Tariff	541614	Process, Physical Distribution, and Logistics Consulting Services (pt)
	440	Except Freight Rate Auditors and Tariff @ Rental of Railroad Cars	48851	Freight Transportation Arrangement
	433	Rental of Railroad Cars	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing (pt)
	433	Grain Leveling in Railroad Cars, Grain	48821	Support Activities for Rail Transportation (pt)
	440	Packing and Crating Fixed Facilities and Inspection and Weighing	488991	Packing and Crating
	440	Marine Cargo Checkers	48839	Other Support Activities for Water Transportation (pt)
	440	Except Marine Cargo Checkers Transportation Services, NEC	48849	Other Support Activities for Road Transportation (pt)
433,435,440	4789	Pipeline Terminals and Stockyards for	488999	All Other Support Activities for Transportation (pt)
433,435,440	4789	Horse-drawn Cabs and Carriages	48711	Scenic and Sightseeing Transportation, Land (pt)
433,435,440	4789	Dining Car Operations on a Fee or	72231	Food Service Contractors
433,435,440	4789	Other	48821	Support Activities for Rail Transportation (pt)
		Communications		
		@ Radiotelephone Communications		
	441	Paging Carriers	513321	Paging
	441	Cellular Carriers	513322	Cellular and Other Wireless Telecommunications (pt)
	441	Paging and Cellular Resellers @ Telephone Communications, Except	51333	Telecommunications Resellers (pt)
	441	Except Resellers	51331	Wired Telecommunications Carriers (pt)
	441	Wired Resellers	51333	Telecommunications Resellers (pt)
	441	Wired Resellers	51334	Satellite Telecommunications (pt)
	441	@ Telegraph and Other Message Communications Radio Broadcasting Stations	51331	Wired Telecommunications Carriers (pt)
	442	Networks	513111	Radio Networks
	442	Stations	513112	Radio Stations
	442	Television Broadcasting Stations Cable and Other Pay Television Services	51312	Television Broadcasting
	441	Cable Networks	51321	Cable Networks
	441	Except Cable Networks Communications Services, NEC	51322	Cable and Other Program Distribution
	441	Taxi Cab Dispatch	48531	Taxi Service (pt)
	441	Ship-to-Shore Broadcasting Communications	513322	Cellular and Other Wireless Telecommunications (pt)
	441	Satellite Communications	51334	Satellite Telecommunications (pt)
	441	Except Taxi Cab Dispatch Ship-to-Shore	51339	Other Telecommunications
		Electric, gas, and sanitary services		
		Electric Services		
443,511,514	4911	Hydroelectric Power Generation	221111	Hydroelectric Power Generation (pt)
443,511,514	4911	Electric Power Generation by Fossil Fuels	221112	Fossil Fuel Electric Power Generation (pt)
443,511,514	4911	Electric Power Generation by Nuclear	221113	Nuclear Electric Power Generation (pt)
443,511,514	4911	Other Electric Power Generation	221119	Other Electric Power Generation (pt)
443,511,514	4911	Electric Power Transmission and Control	22121	Electric Bulk Power Transmission and Control (pt)
443,511,514	4911	Electric Power Distribution	22122	Electric Power Distribution (pt)
	444	Natural Gas Transmission @ Natural Gas Transmission and Distribution	48621	Pipeline Transportation of Natural Gas (pt)
	444	Distribution	22121	Natural Gas Distribution (pt)
	444	Transmission	48621	Pipeline Transportation of Natural Gas (pt)
	444	@ Natural Gas Distribution	22121	Natural Gas Distribution (pt)
	444	@ Mixed, Manufactured, or Liquefied Petroleum @ Electric and Other Services Combined	22121	Natural Gas Distribution (pt)
443,444	4931	Hydroelectric Power Generation When	221111	Hydroelectric Power Generation (pt)
443,444	4931	Electric Power Generation by Fossil Fuels	221112	Fossil Fuel Electric Power Generation (pt)
443,444	4931	Electric Power Generation by Nuclear	221113	Nuclear Electric Power Generation (pt)
443,444	4931	Other Electric Power Generation When	221119	Other Electric Power Generation (pt)
443,444	4931	Electric Power Transmission When Combined	22121	Electric Bulk Power Transmission and Control (pt)
443,444	4931	Electric Power Distribution When Combined	22122	Electric Power Distribution (pt)
443,444	4931	Natural Gas When Combined with Electric	22121	Natural Gas Distribution (pt)
443,444	4932	@ Gas and Other Services Combined @ Combination Utilities, NEC	22121	Natural Gas Distribution (pt)
443,444	4939	Hydroelectric Power Generation When	221111	Hydroelectric Power Generation (pt)
443,444	4939	Electric Power Generation by Fossil Fuels	221112	Fossil Fuel Electric Power Generation (pt)
443,444	4939	Electric Power Generation by Nuclear	221113	Nuclear Electric Power Generation (pt)
443,444	4939	Other Power Generation When Combined with	221119	Other Electric Power Generation (pt)
443,444	4939	Electric Power Transmission When Combined	22121	Electric Bulk Power Transmission and Control (pt)
443,444	4939	Electric Power Distribution When Combined	22122	Electric Power Distribution (pt)
443,444	4939	Natural Gas Distribution when Combined	22121	Natural Gas Distribution (pt)
445	4941	Water Supply	22131	Water Supply and Irrigation Systems (pt)
445	4952	Sewerage Systems Refuse Systems	22132	Sewage Treatment Facilities
446	4953	Materials Recovery Facilities	56292	Materials Recovery Facilities
446	4953	Hazardous Waste Treatment and Disposal	562211	Hazardous Waste Treatment and Disposal
446	4953	Solid Waste Landfills	562212	Solid Waste Landfill
446	4953	Solid Waste Combustors and Incinerators	562213	Solid Waste Combustors and Incinerators
446	4953	Other Nonhazardous Waste Treatment and Sanitary Services, NEC	562219	Other Nonhazardous Waste Treatment and Disposal
446	4959	Vacuuming of Airport Runways	488119	Other Airport Operations (pt)
446	4959	Remediation Services	56291	Remediation Services (pt)
446	4959	Malaria Control and Mosquito Eradication	56171	Exterminating and Pest Control Services (pt)
446	4959	Other	562998	All Other Miscellaneous Waste Management Services
446	4961	Steam and Air-Conditioning Supply	22133	Steam and Air-Conditioning Supply
446	4971	@ Irrigation Systems	22131	Water Supply and Irrigation Systems (pt)
		Wholesale trade--durable goods		
447	5012	Automobiles and Other Motor Vehicles	42111	Automobile and Other Motor Vehicle Wholesalers

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		Motor Vehicle Supplies and New Parts		
447	5013	Sold Via Retail Method	44131	Automotive Parts and Accessories Stores (pt)
447	5013	Sold Via Wholesale Method	42112	Motor Vehicle Supplies and New Parts Wholesalers
		Tires and Tubes		
447	5014	Sold Via Retail Method	44132	Tire Dealers (pt) - Retail
447	5014	Sold Via Wholesale Method	42113	Tire and Tube Wholesalers
		Motor Vehicle Parts, Used		
447	5015	Sold Via Retail Method	44131	Automotive Parts and Accessories (pt)
447	5015	Sold Via Wholesale Method	42114	Motor Vehicle Parts (Used) Wholesalers
		Furniture		
447	5021	Sold Via Retail Method	44211	Furniture Stores (pt)
447	5021	Sold Via Wholesale Method	42121	Furniture Wholesalers
		Home Furnishings		
447	5023	Sold Via Retail Method	44221	Floor Covering Stores (pt)
447	5023	Sold Via Wholesale Method	42122	Home Furnishing Wholesalers
447	5031	Lumber, Plywood, Millwork, and Wood Panels	42131	Lumber, Plywood, Millwork, and Wood Panel Wholesalers
		Brick, Stone and Related Construction		
447	5032	Sold Via Retail Method	44419	Other Building Material Dealers (pt)
447	5032	Sold Via Wholesale Method	42132	Brick, Stone, and Related Construction Material Wholesalers
447	5033	Roofing, Siding, and Insulation Materials	42133	Roofing, Siding, and Insulation Material Wholesalers
		Construction Materials, NEC		
447	5039	Sold Via Retail Method	44419	Other Building Material Dealers (pt)
447	5039	Sold Via Wholesale Method	42139	Other Construction Material Wholesalers
447	5043	Photographic Equipment and Supplies	42141	Photographic Equipment and Supplies Wholesalers
		Office Equipment		
447	5044	Sold Via Retail Method	45321	Office Supplies and Stationery Stores (pt)
447	5044	Sold Via Wholesale Method	42142	Office Equipment Wholesalers
		Computers and Computer Peripheral Equipment		
447	5045	Sold Via Retail Method	42143	Computer and Computer Peripheral Equipment and Software Wholesalers
447	5045	Sold Via Wholesale Method	44312	Computer and Software Stores (pt) - Retail
447	5046	Commercial Equipment, NEC	42144	Other Commercial Equipment Wholesalers
		Medical, Dental, and Hospital Equipment and		
447	5047	Sold Via Wholesale Method	42145	Medical, Dental, and Hospital Equipment and Supplies Wholesalers
447	5047	Sold Via Retail Method	44619	All Other Health and Personal Care Stores (pt) - Retail
447	5048	Ophthalmic Goods	42146	Ophthalmic Goods Wholesalers
		Professional Equipment and Supplies, NEC		
447	5049	Sold Via Wholesale Method	42149	Other Professional Equipment and Supplies Wholesalers
447	5049	Sold Via Retail Method	45321	Office Supplies and Stationery Stores (pt) - Retail
447	5051	Metals Service Centers and Offices	42151	Metals Service Centers and Offices
447	5052	Coal and Other Minerals and Ores	42152	Coal and Other Mineral and Ore Wholesalers
		Electrical Apparatus and Equipment Wiring		
447	5063	Sold Via Retail Method	44419	Other Building Material Dealers (pt)
447	5063	Sold Via Wholesale Method	42161	Electrical Apparatus and Equipment, Wiring Supplies, and Construction Material Wholesalers
		Electrical Appliances, Television and Radio		
447	5065	Electronic Parts and Equipment, NEC	42162	Electrical Appliance, Television, and Radio Set Wholesalers
447	5065	Hardware	42169	Other Electronic Parts and Equipment Wholesalers
447	5072	Sold Via Retail Method	44413	Hardware Stores (pt)
447	5072	Sold Via Wholesale Method	42171	Hardware Wholesalers
		Plumbing and Heating Equipment and Supplies		
447	5074	Sold Via Retail Method	44419	Other Building Material Dealers (pt)
447	5074	Sold Via Wholesale Method	42172	Plumbing and Heating Equipment and Supplies (Hydronics) Wholesalers
447	5075	Warm Air Heating and Air-Conditioning	42173	Warm Air Heating and Air-Conditioning Equipment and Supplies Wholesalers
447	5075	Equipment and Supplies	42174	Refrigeration Equipment and Supplies Wholesalers
447	5078	Refrigeration Equipment and Supplies	42181	Construction and Mining (except Oil Well) Machinery and Equipment Wholesalers
447	5082	Construction and Mining (Except Petroleum)		
		Machinery and Equipment		
		Farm and Garden Machinery and Equipment		
447	5083	Sold Via Wholesale Method	42182	Farm and Garden Machinery and Equipment Wholesalers
447	5083	Sold Via Retail Method	44421	Outdoor Power Equipment Stores (pt) - Retail
447	5084	Industrial Machinery and Equipment	42183	Industrial Machinery and Equipment Wholesalers (pt)
		Industrial Supplies		
447	5085	Fluid Power Accessories	42183	Industrial Machinery and Equipment Wholesalers (pt)
447	5085	Except Fluid Power Accessories	42184	Industrial Supplies Wholesalers
		Service Establishment Equipment and Supplies		
447	5087	Sold Via Wholesale Method	42185	Service Establishment Equipment and Supplies Wholesalers
447	5087	Sold Via Retail Method		
447	5087	Beauty and Barber Shop Equipment and	44612	Cosmetics, Beauty Supplies, and Perfume Stores (pt)
447	5088	Transportation Equipment and Supplies, Except	42186	Transportation Equipment and Supplies (except Motor Vehicle) Wholesalers
		Motor Vehicles		
447	5091	Sporting and Recreational Goods and Supplies	42191	Sporting and Recreational Goods and Supplies Wholesalers
447	5092	Toys and Hobby Goods and Supplies	42192	Toy and Hobby Goods and Supplies Wholesalers
447	5093	Scrap and Waste Materials	42193	Recyclable Material Wholesalers
447	5094	Jewelry, Watches, Precious Stones, and	42194	Jewelry, Watch, Precious Stone, and Precious Metal Wholesalers
447	5099	Durable Goods, NEC	42199	Other Miscellaneous Durable Goods Wholesalers (pt)
		Wholesale trade--nondurable goods		
447	5111	Printing and Writing Paper	42211	Printing and Writing Paper Wholesalers
		Stationery and Office Supplies		
447	5112	Sold Via Retail Method	45321	Office Supplies and Stationery Stores (pt)
447	5112	Sold Via Wholesale Method	42212	Stationery and Office Supplies Wholesalers
447	5113	Industrial and Personal Service Paper	42213	Industrial and Personal Service Paper Wholesalers
447	5122	Drugs, Drug Proprietaries, and Druggists'	42221	Drugs and Druggists' Sundries Wholesalers
		Piece Goods, Notions, and Other Dry Goods		
447	5131	Converters, Broadwoven Piece Good Fabric	313311	Broadwoven Fabric Finishing Mills (pt)
447	5131	Converters, Except Broadwoven Fabric	313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills (pt)
447	5131	Except Converters	42231	Piece Goods, Notions, and Other Dry Goods Wholesalers
447	5136	Men's and Boys' Clothing and Furnishings	42232	Men's and Boys' Clothing and Furnishings Wholesalers
447	5137	Women's, Children's, and Infants' Clothing	42233	Women's, Children's, and Infants' Clothing and Accessories Wholesalers
447	5139	Footwear	42234	Footwear Wholesalers

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
447	5141	Groceries, General Line	42241	General Line Grocery Wholesalers
447	5142	Packaged Frozen Foods	42242	Packaged Frozen Food Wholesalers
447	5143	Dairy Products, Except Dried or Canned	42243	Dairy Product (except Dried or Canned) Wholesalers
447	5144	Poultry and Poultry Products	42244	Poultry and Poultry Product Wholesalers
447	5145	Confectionery	42245	Confectionery Wholesalers
447	5146	Fish and Seafoods Meats and Meat Products	42246	Fish and Seafood Wholesalers
447	5147	Boxed Beef	311612	Meat Processed from Carcasses (pt)
447	5147	Except Boxed Beef	42247	Meat and Meat Product Wholesalers
447	5148	Fresh Fruits and Vegetables Groceries and Related Products, NEC	42248	Fresh Fruit and Vegetable Wholesalers
447	5149	Bottling Mineral or Spring Water	312112	Bottled Water Manufacturing (pt)
447	5149	Except Bottling Mineral or Spring Water	42249	Other Grocery and Related Products Wholesalers
447	5153	Grain and Field Beans	42251	Grain and Field Bean Wholesalers
447	5154	Livestock	42252	Livestock Wholesalers
447	5159	Farm-Product Raw Materials, NEC	42259	Other Farm Product Raw Material Wholesalers
447	5162	Plastics Materials and Basic Forms and Shapes	42261	Plastics Materials and Basic Forms and Shapes Wholesalers
447	5169	Chemicals and Allied Products, NEC Petroleum Bulk Stations and Terminals	42269	Other Chemical and Allied Products Wholesalers
447	5171	Heating Oil Sold Via Retail Method	454311	Heating Oil Dealers (pt)
447	5171	LP Gas Sold Via Retail Method	454312	Liquefied Petroleum Gas (Bottled Gas) Dealers (pt)
447	5171	Sold Via Wholesale Method	42271	Petroleum Bulk Stations and Terminals
447	5172	Petroleum and Petroleum Products Wholesalers, Except Bulk Stations and Terminals	42272	Petroleum and Petroleum Products Wholesalers (except Bulk Stations and Terminals)
447	5181	Beer and Ale	42281	Beer and Ale Wholesalers
447	5182	Wine and Distilled Alcoholic Beverages Farm Supplies	42282	Wine and Distilled Alcoholic Beverage Wholesalers
447	5191	Lawn and Garden Supplies Sold Via Retail	44422	Nursery and Garden Centers (pt) - Retail
447	5191	Except Lawn and Garden Supplies Sold Via	42291	Farm Supplies Wholesalers
447	5192	Books, Periodicals, and Newspapers Flowers, Nursery Stock, and Florists'	42292	Book, Periodical, and Newspaper Wholesalers
447	5193	Sold Via Wholesale Method	42293	Flower, Nursery Stock, and Florists' Supplies Wholesalers
447	5193	Sold Via Retail Method	44422	Nursery and Garden Centers (pt) - Retail
447	5194	Tobacco and Tobacco Products	42294	Tobacco and Tobacco Product Wholesalers
447	5198	Paint, Varnishes, and Supplies Nondurable Goods, NEC	42295	Paint, Varnish, and Supplies Wholesalers
447	5199	Advertising Specialties Goods	54189	Other Services Related to Advertising (pt)
447	5199	Except Advertising Specialty	42299	Other Miscellaneous Nondurable Goods Wholesalers
		Building materials, hardware, garden supply, Lumber and Other Building Materials Dealers		
448	5211	Home Centers	44411	Home Centers
448	5211	Except Home Centers Paint, Glass, and Wallpaper Stores	44419	Other Building Material Dealers (pt)
448	5231	Paint and Wallpaper	44412	Paint and Wallpaper Stores (pt)
448	5231	Glass Stores	44419	Other Building Material Dealers (pt)
448	5251	Hardware Stores Retail Nurseries, Lawn and Garden Supply	44413	Hardware Stores (pt)
448	5261	Except Outdoor Power Equipment	44422	Nursery and Garden Centers (pt)
448	5261	Outdoor Power Equipment Stores	44421	Outdoor Power Equipment Stores (pt)
448	5271	Mobile Home Dealers	45393	Manufactured (Mobile) Home Dealers
		General merchandise stores		
449	5311	Department Stores	45211	Department Stores
449	5331	Variety Stores Miscellaneous General Merchandise Stores	45299	All Other General Merchandise Stores (pt)
449	5399	Warehouse Clubs and General Merchandise	45291	Warehouse Clubs and Superstores (pt)
449	5399	All Other General Merchandise Stores	45299	All Other General Merchandise Stores (pt)
		Food stores Grocery Stores		
450	5411	Convenience Stores with Gas	44711	Gasoline Stations with Convenience Stores (pt)
450	5411	Supermarkets and Grocery Stores with	44511	Supermarkets and Other Grocery (except Convenience) Stores
450	5411	Supermarkets and Grocery Stores with	45291	Warehouse Clubs and Superstores (pt)
450	5411	Convenience Stores without Gas Meat and Fish (Seafood) Markets, Including	44512	Convenience Stores
450	5421	Freezer Provisioners	45439	Other Direct Selling Establishments (pt)
450	5421	Meat Markets	44521	Meat Markets (pt)
450	5421	Fish and Seafood Markets	44522	Fish and Seafood Markets
450	5431	Fruit and Vegetable Markets Candy, Nut, and Confectionery Stores	44523	Fruit and Vegetable Markets
450	5441	Confectionery and Nut Stores	445292	Confectionery and Nut Stores
450	5441	Chocolate Candy Stores, Preparing Candy	31133	Confectionery Manufacturing from Purchased Chocolate (pt)
450	5441	Nonchocolate Candy Stores, Preparing	31134	Nonchocolate Confectionery Manufacturing (pt)
450	5451	Dairy Products Stores Retail Bakeries	445299	All Other Specialty Food Stores (pt)
450	5461	Doughnut Shops, Pretzel Shops, Cookie	722213	Snack and Nonalcoholic Beverage Bars (pt)
450	5461	Bakeries That Make and Sell at the Same	311811	Retail Bakeries
450	5461	Sales Only of All Other Baked Goods Miscellaneous Food Stores	445291	Baked Goods Stores
450	5499	Poultry and Poultry Products	44521	Meat Markets (pt)
450	5499	Food Supplement Stores	446191	Food (Health) Supplement Stores
450	5499	All Other Miscellaneous Food Stores	445299	All Other Specialty Food Stores (pt)
		Automotive dealers and gasoline service		
451	5511	Motor Vehicle Dealers (New and Used)	44111	New Car Dealers
451	5521	Motor Vehicle Dealers (Used Only) Auto and Home Supply Stores	44112	Used Car Dealers
451	5531	Tire Dealers	44132	Tire Dealers (pt)
451	5531	Auto Supply Stores	44131	Automotive Parts and Accessories Stores (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
451	5531	Other Auto and Home Supply Stores Gasoline Service Stations	45299	All Other General Merchandise (pt)
451	5541	With Convenience Store	44711	Gasoline Stations with Convenience Store (pt)
451	5541	Except with Convenience Stores	44719	Other Gasoline Stations
451	5551	Boat Dealers	441222	Boat Dealers
451	5561	Recreational Vehicle Dealers	44121	Recreational Vehicle Dealers
451	5571	Motorcycle Dealers	441221	Motorcycle Dealers
451	5599	Automotive Dealers, NEC	441229	All Other Motor Vehicle Dealers
		Apparel and accessory stores		
		Men's and Boys' Clothing and Accessory Stores		
452	5611	Men's Clothing Stores	44811	Men's Clothing Stores
452	5611	Men's Accessory Stores	44815	Clothing Accessories Stores (pt)
452	5621	Women's Clothing Stores	44812	Women's Clothing Stores
		Women's Accessory and Specialty Stores		
452	5632	Specialty Stores	44819	Other Clothing Stores (pt)
452	5632	Accessory Stores	44815	Clothing Accessories Stores (pt)
452	5641	Children's and Infants' Wear Stores	44813	Children's and Infants' Clothing Stores
452	5651	Family Clothing Stores	44814	Family Clothing Stores
452	5661	Shoe Stores	44821	Shoe Stores
		Miscellaneous Apparel and Accessory Stores		
452	5699	Custom Tailors and Seamstresses	315	Included in Apparel Manufacturing Subsector Based on Type of Garment Produced
452	5699	Miscellaneous Apparel	44819	Other Clothing Stores (pt)
452	5699	Miscellaneous Accessories	44815	Clothing Accessories Stores (pt)
		Furniture, home furnishings and equipment		
		Furniture Stores		
453	5712	Custom Made Wood Nonupholstered	337122	Nonupholstered Wood Household Furniture Manufacturing (pt)
453	5712	Custom Wood Cabinets	33711	Wood Kitchen Cabinet and Countertop Manufacturing (pt)
453	5712	Upholstered Custom Made Furniture	337121	Upholstered Household Furniture Manufacturing (pt)
453	5712	Except Custom Cabinet and Furniture	44211	Furniture Stores (pt)
453	5713	Floor Covering Stores	44221	Floor Covering Stores (pt)
		Drapery, Curtain, and Upholstery Stores		
453	5714	Drapery and Curtain Stores	442291	Window Treatment Stores (pt)
453	5714	Upholstery Stores	45113	Sewing, Needlework, and Piece Goods Stores (pt)
453	5714	Custom Drapes	314121	Curtain and Drapery Mills (pt)
453	5714	Custom Slipcovers	314129	Other Household Textile Product Mills (pt)
		Miscellaneous Homefurnishings Stores		
453	5719	Blinds and Shades	442291	Window Treatment Stores (pt)
		Pottery and Crafts Made and Sold on Site		Included in Manufacturing sector based on article produced
453	5719	Except Blinds, Shades, and Pottery and	442299	All Other Home Furnishings Stores (pt)
453	5722	Household Appliance Stores	443111	Household Appliance Stores
		Radio, Television, and Consumer Electronics		
453	5731	Except Auto Radio Stores	443112	Radio, Television, and Other Electronics Stores (pt)
453	5731	Auto Radio Stores	44131	Automotive Parts and Accessories Stores (pt)
453	5734	Computer and Computer Software Stores	44312	Computer and Software Stores (pt)
453	5735	Record and Pre-recorded Tape Stores	45122	Pre-recorded Tape, Compact Disc, and Record Stores
453	5736	Musical Instrument Stores	45114	Musical Instrument and Supplies Stores
		Eating and drinking places		
		@ Eating and Drinking Places		
454	5812	Full Service Restaurants	72211	Full-Service Restaurants
454	5812	Limited Service Restaurants	722211	Limited-Service Restaurants
454	5812	Cafeterias	722212	Cafeterias
454	5812	Snack and Nonalcoholic Beverage Bars	722213	Snack and Nonalcoholic Beverage Bars (pt)
454	5812	Food Service Contractors	72231	Food Service Contractors
454	5812	Caterers	72232	Caterers
454	5812	Dinner Theaters	71111	Theater Companies and Dinner Theaters (pt)
454	5813	Drinking Places (Alcoholic Beverages)	72241	Drinking Places (Alcoholic Beverages)
		Miscellaneous retail		
455	5912	Drug Stores and Proprietary Stores	44611	Pharmacies and Drug Stores
455	5921	Liquor Stores	44531	Beer, Wine, and Liquor Stores
		Used Merchandise Stores		
455	5932	Pawnshops	522298	All Other Nondepository Credit Intermediation
455	5932	Except pawn shops	45331	Used Merchandise Stores
455	5941	Sporting Goods Stores and Bicycle Shops	45111	Sporting Goods Stores
455	5942	Book Stores	451211	Book Stores
455	5943	Stationery Stores	45321	Office Supplies and Stationery Stores (pt)
455	5944	Jewelry Stores	44831	Jewelry Stores
455	5945	Hobby, Toy, and Game Shops	45112	Hobby, Toy, and Game Stores
455	5946	Camera and Photographic Supply Stores	44313	Camera and Photographic Supplies Stores
455	5947	Gift, Novelty, and Souvenir Shops	45322	Gift, Novelty, and Souvenir Stores
455	5948	Luggage and Leather Goods Stores	44832	Luggage and Leather Goods Stores
455	5949	Sewing, Needlework, and Piece Goods Stores	45113	Sewing, Needlework, and Piece Goods Stores (pt)
455	5961	Catalog and Mail-Order Houses	45411	Electronic Shopping and Mail-Order Houses
455	5962	Automatic Merchandising Machine Operator	45421	Vending Machine Operators
		Direct Selling Establishments		
455	5963	Mobile Food Wagons	72233	Mobile Food Services
455	5963	All Other Direct Selling Establishments	45439	Other Direct Selling Establishments (pt)
455	5983	Fuel Oil Dealers	454311	Heating Oil Dealers (pt)
455	5984	Liquefied Petroleum Gas (Bottled Gas) Dealers	454312	Liquefied Petroleum Gas (Bottled Gas) Dealers (pt)
455	5989	Fuel Dealers, NEC	454319	Other Fuel Dealers
455	5992	Florists	45311	Florists
455	5993	Tobacco Stores and Stands	453991	Tobacco Stores
455	5994	News Dealers and Newsstands	451212	News Dealers and Newsstands
		Optical Goods Stores		
455	5995	Optical Stores Grinding Prescription	339115	Ophthalmic Goods Manufacturing (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
455	5995	Except Optical Laboratories Grinding Miscellaneous Retail Stores, NEC	44613	Optical Goods Stores
455	5999	Cosmetic Stores	44612	Cosmetics, Beauty Supplies, and Perfume Stores (pt)
455	5999	Hearing Aid and Artificial Limb Stores	446199	All Other Health and Personal Care Stores (pt)
455	5999	Pets and Pet Supply Stores	45391	Pet and Pet Supplies Stores
455	5999	Art Dealers	45392	Art Dealers
455	5999	Telephone and Typewriter Stores	443112	Radio, Television, and Other Electronics Stores (pt)
455	5999	Other Miscellaneous Retail Stores	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores) (pt)
		Depository institutions		
456	6011	Federal Reserve Banks	52111	Monetary Authorities - Central Bank
456	6019	@ Central Reserve Depository Institutions, NEC @ National Commercial Banks	522298	All Other Nondepository Credit Intermediation (pt)
456	6021	Commercial Banks	52211	Commercial Banking (pt)
456	6021	Credit Card Issuing @ State Commercial Banks	52221	Credit Card Issuing (pt)
456	6022	Commercial Banks	52211	Commercial Banking (pt)
456	6022	Credit Card Issuing	52221	Credit Card Issuing (pt)
456	6022	Private and Industrial Banking	52219	Other Depository Credit Intermediation
456	6029	@ Commercial Banks, NEC	52211	Commercial Banking (pt)
456	6035	@ Savings Institutions, Federally Chartered	52212	Savings Institutions (pt)
456	6036	@ Savings institutions, Not Federally Chartered	52212	Savings Institutions (pt)
456	6061	@ Credit Unions, Federally Chartered	52213	Credit Unions (pt)
456	6062	@ Credit Unions, Not Federally Chartered @ Branches and Agencies of Foreign Banks	52213	Credit Unions (pt)
456	6081	International Trade Financing	522293	International Trade Financing (pt)
456	6081	Branches of Foreign Banks	52211	Commercial Banking (pt)
456	6081	Agencies of Foreign Banks, Except @ Foreign Trade and International Banking	522298	All Other Nondepository Credit Intermediation (pt)
456	6082	International Trade Financing	522293	International Trade Financing (pt)
456	6082	Except International Trade Financing	522298	All Other Nondepository Credit Intermediation (pt)
456	6091	@ Nondeposit Trust Facilities @ Functions Related to Deposit Banking, NEC	523991	Trust, Fiduciary, and Custody Activities (pt)
456	6099	Clearinghouses and Electronic Funds Transfer	52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities (pt)
456	6099	Foreign Currency Exchange	52313	Commodity Contracts Dealing (pt)
456	6099	Escrow and Fiduciary Agencies	523991	Trust, Fiduciary, and Custody Activities (pt)
456	6099	Other	52239	Other Activities Related to Credit Intermediation (pt)
		Nondepository credit institutions		
		@ Federal and Federally-Sponsored Credit		
457	6111	Federal Land Banks	522292	Real Estate Credit (pt)
457	6111	Trade Banks	522293	International Trade Financing (pt)
457	6111	Secondary Market Financing	522294	Secondary Market Financing
457	6111	Other @ Personal Credit Institutions	522298	All Other Nondepository Credit Intermediation (pt)
457	6141	Credit Card Issuing	52221	Credit Card Issuing (pt)
457	6141	Installment Sales Financing	52222	Sales Financing (pt)
457	6141	Industrial Nondeposit Banks	522298	All Other Nondepository Credit Intermediation (pt)
457	6141	Other @ Short-Term Business Credit Institutions,	522291	Consumer Lending
457	6153	Credit Card Issuing	52221	Credit Card Issuing (pt)
457	6153	Business Sales Finance	52222	Sales Financing (pt)
457	6153	Credit Card Service	52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities (pt)
457	6153	Other @ Miscellaneous Business Credit Institutions	52391	Miscellaneous Intermediation (pt)
457	6159	Finance Leasing Combined With Loan Making	522	Included in Credit Intermediation and Related Activities Subsector by Type of Credit
457	6159	Finance Leasing Combined with Sales	52222	Sales Financing (pt)
457	6159	Farm Mortgage Companies	522292	Real Estate Credit (pt)
457	6159	Finance Leasing Without Loan Making	532	Included in Rental and Leasing Services Subsector by Type of Equipment and Method of Operation
457	6159	Trade Banks	522293	International Trade Financing (pt)
457	6159	Secondary Market Financing	522294	Secondary Market Financing (pt)
457	6159	All Other @ Mortgage Bankers and Loan Correspondents	522298	All Other Nondepository Credit Intermediation (pt)
457	6162	Mortgage Bankers and Originators	522292	Real Estate Credit
457	6162	Mortgage Servicing	52239	Other Activities Related to Credit Intermediation (pt)
457	6163	Loan Brokers	52231	Mortgage and Nonmortgage Loan Brokers
		Security, commodity brokers, and services		
		@ Security Brokers, Dealers, and Flotation		
458	6211	Security Dealers and Underwriters	52311	Investment Banking and Securities Dealing
458	6211	Security Brokers	52312	Securities Brokerage
458	6211	Oil and Gas Lease Brokers' Offices	523999	Miscellaneous Financial Investment Activities (pt)
458	6211	Dealers and Brokers, Except Securities @ Commodity Contracts Brokers and Dealers	52391	Miscellaneous Intermediation (pt)
458	6221	Commodity Dealers	52313	Commodity Contracts Dealing (pt)
458	6221	Commodity Brokers	52314	Commodity Contracts Brokerage
458	6231	Security and Commodity Exchanges @ Investment Advice	52321	Securities and Commodity Exchanges
458	6282	Portfolio Managers	52392	Portfolio Management (pt)
458	6282	Other @ Services Allied With the Exchange of	52393	Investment Advice
458	6289	Securities Custodians	523991	Trust, Fiduciary, and Custody Activities (pt)
458	6289	Other	523999	Miscellaneous Financial Investment Activities (pt)
		Insurance carriers		
		@ Life Insurance		

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
459	6311	Life Insurers, Direct	524113	Direct Life Insurance Carriers
459	6311	Reinsurance Carriers, Life @ Accident and Health Insurance	52413	Reinsurance Carriers (pt)
459	6321	Disability Insurers, Direct	524113	Direct Life Insurance Carriers (pt)
459	6321	Accident and Health Insurers, Direct	524114	Direct Health and Medical Insurance Carriers (pt)
459	6321	Self Insurers	52519	Other Insurance Funds (pt)
459	6321	Reinsurance Carriers, Accident and Health @ Hospital and Medical Service Plans	52413	Reinsurance Carriers (pt)
459	6324	Health and Medical Insurers, Direct	524114	Direct Health and Medical Insurance Carriers (pt)
459	6324	Self Insurers	52519	Other Insurance Funds (pt)
459	6324	Reinsurance Carriers, Health and Medical @ Fire, Marine, and Casualty Insurance	52413	Reinsurance Carriers (pt)
459	6331	Fire, Marine, and Casualty Insurers,	524126	Direct Property and Casualty Insurance Carriers (pt)
459	6331	Contact Lens Insurance	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers (pt)
459	6331	Self Insurers	52519	Other Insurance Funds (pt)
459	6331	Reinsurance Carriers, Fire, Marine, and @ Surety Insurance	52413	Reinsurance Carriers (pt)
459	6351	Financial Responsibility Insurers, Direct	524126	Direct Property and Casualty Insurance Carriers (pt)
459	6351	Reinsurance Carriers, Financial @ Title Insurance	52413	Reinsurance Carriers (pt)
459	6361	Title Insurers, Direct	524127	Direct Title Insurance Carriers
459	6361	Reinsurance Carriers, Title @ Pension, Health, and Welfare Funds	52413	Reinsurance Carriers (pt)
459	6371	Managers	52392	Portfolio Management (pt)
459	6371	Administrators	524292	Third Party Administration of Insurance and Pension Funds (pt)
459	6371	Pension Funds	52511	Pension Funds
459	6371	Health and Welfare Funds	52512	Health and Welfare Funds
459	6371	Profit Sharing Funds	52599	Other Financial Vehicles (pt)
459	6399	Insurance Carriers, NEC	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers
		Insurance agents, brokers, and service @ Insurance Agents, Brokers, and Service		
460	6411	Insurance Agents and Brokers	52421	Insurance Agencies and Brokerages
460	6411	Claim Adjusters	524291	Claims Adjusting
460	6411	Claim Processors	524292	Third Party Administration of Insurance and Pension Funds (pt)
460	6411	Other	524298	All Other Insurance Related Activities
		Real estate Operators of Nonresidential Buildings		
462	6512	Stadium and Arena Owners	71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities (pt)
462	6512	Except Stadium and Arena Owners	53112	Lessors of Nonresidential Buildings (except Miniwarehouses)
462	6513	@ Operators of Apartment Buildings	53111	Lessors of Residential Buildings and Dwellings (pt)
462	6514	@ Operators of Dwellings Other Than Apartment	53111	Lessors of Residential Buildings and Dwellings (pt)
462	6515	@ Operators of Residential Mobile Home Sites	53119	Lessors of Other Real Estate Property (pt)
462	6517	@ Lessors of Railroad Property	53119	Lessors of Other Real Estate Property (pt)
462	6519	@ Lessors of Real Property, NEC @ Real Estate Agents and Managers	53119	Lessors of Other Real Estate Property (pt)
462	6531	Real Estate Agents and Brokers	53121	Offices of Real Estate Agents and Brokers
462	6531	Condominium Associations	81399	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations) (pt)
462	6531	Residential Property Managers	531311	Residential Property Managers
462	6531	Nonresidential Property Managers	531312	Nonresidential Property Managers
462	6531	Real Estate Appraisers	53132	Offices of Real Estate Appraisers
462	6531	Cemetery Management	81222	Cemeteries and Crematories (pt)
462	6531	Other	53139	Other Activities Related to Real Estate
462	6541	Title Abstract Offices	541191	Title Abstract and Settlement Offices
462	6552	Land Subdividers and Developers, Except	23311	Land Subdivision and Land Development
462	6553	@ Cemetery Subdividers and Developers	81222	Cemeteries and Crematories (pt)
		Holding and other investment offices		
457	6712	Offices of Bank Holding Companies	551111	Offices of Bank Holding Companies
457	6719	Offices of Holding Companies, NEC	551112	Offices of Other Holding Companies
457	6722	Management Investment Offices, Open-End	52591	Open-End Investment Funds
457	6726	Unit Investment Trusts, Face-Amount	52599	Other Financial Vehicles
502	6732	Education, Religious, and Charitable Trusts @ Trusts, Except Educational, Religious, and	813211	Grantmaking Foundations
457	6733	Managers	52392	Portfolio Management (pt)
457	6733	Administrators of Private Estates	523991	Trust, Fiduciary, and Custody Activities (pt)
457	6733	Vacation Funds for Employees	52519	Other Insurance Funds (pt)
457	6733	Personal Trusts, Estates, and Agency @ Oil Royalty Traders	52592	Trusts, Estates, and Agency Accounts
457	6792	Investing on Own Account	52391	Miscellaneous Intermediation (pt)
457	6792	Oil Royalty Companies	53311	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) (pt)
457	6794	Patent Owners and Lessors	53311	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works) (pt)
457	6798	Real Estate Investment Trusts @ Investors, NEC	52593	Real Estate Investment Trusts
457	6799	Venture Capital Companies, Investment	52391	Miscellaneous Intermediation (pt)
457	6799	Commodity Contract Pool Operators	52392	Portfolio Management (pt)
457	6799	Commodity Contract Trading Companies	52313	Commodity Contracts Dealing (pt)
		Hotels, rooming houses, camps, and other Hotels and Motels		
463	7011	Hotels and Motels, except Casino Hotels	72111	Hotels (except Casino Hotels) and Motels (pt)
463	7011	Casino Hotels	72112	Casino Hotels
463	7011	Bed and Breakfast Inns	721191	Bed-and-Breakfast Inns
463	7011	Other	721199	All Other Traveler Accommodation
463	7021	Rooming and Boarding Houses	72131	Rooming and Boarding Houses (pt)
463	7032	Sporting and Recreational Camps	721214	Recreational and Vacation Camps (except Campgrounds)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
463	7033	Recreational Vehicle Parks and Campsites @ Organization Hotels and Lodging Houses, on	721211	RV (Recreational Vehicle) Parks and Campgrounds
463	7041	Organization Hotels	72111	Hotels (except Casino Hotels) and Motels (pt)
463	7041	Other	72131	Rooming and Boarding Houses (pt)
		Personal services		
464	7211	Power Laundries, Family and Commercial	81232	Drycleaning and Laundry Services (except Coin-Operated) (pt)
464	7212	Garment Pressing, and Agents for Laundries	81232	Drycleaning and Laundry Services (except Coin-Operated) (pt)
464	7213	@ Linen Supply	812331	Linen Supply (pt)
464	7215	Coin-Operated Laundries and Drycleaning	81231	Coin-Operated Laundries and Drycleaners
464	7216	Drycleaning Plants, Except Rug Cleaning	81232	Drycleaning and Laundry Services (except Coin-Operated) (pt)
464	7217	Carpet and Upholstery Cleaning	56174	Carpet and Upholstery Cleaning Services
464	7218	Industrial Launderers @ Laundry and Garment Services, NEC	812332	Industrial Launderers
464	7219	Diaper Service	812331	Linen Supply (pt)
464	7219	Clothing Alteration and Repair	81149	Other Personal and Household Goods Repair and Maintenance (pt)
464	7219	Except Diaper Service and Clothing	81232	Drycleaning and Laundry Services (except Coin-Operated)
465	7221	Photographic Studios, Portrait @ Beauty Shops	541921	Photography Studios, Portrait
466	7231	Beauty Shops and Salons	812112	Beauty Salons
466	7231	Manicure and Pedicure Salons	812113	Nail Salons
466	7231	Beauty and Cosmetology Schools	611511	Cosmetology and Barber Schools (pt)
		Barber Shops		
466	7241	Barber Shops	812111	Barber Shops
466	7241	Barber Colleges	611511	Cosmetology and Barber Schools (pt)
		Shoe Repair Shops and Shoeshine Parlors		
464	7251	Shoe Repair Shops	81143	Footwear and Leather Goods Repair (pt)
464	7251	Shoeshine Parlors	81299	All Other Personal Services (pt)
		Funeral Services and Crematories		
467	7261	Crematories	81222	Cemeteries and Crematories (pt)
467	7261	Funeral Homes and Funeral Services	81221	Funeral Homes
468	7291	Tax Return Preparation Services @ Miscellaneous Personal Services, NEC	541213	Tax Preparation Services
468	7299	Babysitting Bureaus	56131	Employment Placement Agencies (pt)
468	7299	Diet and Weight Reducing Services	812191	Diet and Weight Reducing Centers
468	7299	Valet Parking Services	81293	Parking Lots and Garages (pt)
468	7299	Formal Wear and Costume Rental	53222	Formal Wear and Costume Rental (pt)
468	7299	Personal Care Services	812199	Other Personal Care Services
468	7299	All Other Miscellaneous Personal	81299	All Other Personal Services (pt)
		Business services		
469	7311	Advertising Agencies	54181	Advertising Agencies
469	7312	Outdoor Advertising Services	54185	Display Advertising (pt)
469	7313	Radio, Television, and Publishers' Advertising, NEC	54184	Media Representatives
469	7319	Media Buying Services	54183	Media Buying Agencies
469	7319	Display Advertising, Except Outdoor	54185	Display Advertising (pt)
469	7319	Advertising Materials Distributor	54187	Advertising Material Distribution Services
469	7319	Other	54189	Other Services Related to Advertising (pt)
470	7322	Adjustment and Collection Services	56144	Collection Agencies
470	7323	Credit Reporting Services	56145	Credit Bureaus
		Direct Mail Advertising Services		
470	7331	Mailing List Compilers	51114	Database and Directory Publishers (pt)
470	7331	Other	54186	Direct Mail Advertising
		Photocopying and Duplicating Services		
471	7334	Instant Printing	323114	Quick Printing (pt)
471	7334	Photocopying and Duplicating Services,	561439	Other Business Service Centers (including Copy Shops) (pt)
471	7335	Commercial Photography	541922	Commercial Photography (pt)
471	7336	Commercial Art and Graphic Design	54143	Graphic Design Services (pt)
		Secretarial and Court Reporting Services		
470	7338	Secretarial Services	56141	Document Preparation Services
470	7338	Court Reporting Services	561492	Court Reporting and Stenotype Services
		Disinfecting and Pest Control Services		
472	7342	Disinfecting Services	56172	Janitorial Services (pt)
472	7342	Exterminating and Pest Control Services	56171	Exterminating and Pest Control Services (pt)
		Building Cleaning and Maintenance Services,		
472	7349	Lighting Maintenance Services	56179	Other Services to Buildings and Dwellings (pt)
472	7349	Except Lighting Maintenance Services @ Medical Equipment Rental and Leasing	56172	Janitorial Services (pt)
473	7352	Home Health Furniture and Equipment	532291	Home Health Equipment Rental
473	7352	Medical Machinery Rental and Leasing	53249	Other Commercial and Industrial Machinery and Equipment Rental and Leasing (pt)
		@ Heavy Construction Equipment Rental and		
473	7353	With Operator	23499	All Other Heavy Construction (pt)
473	7353	Without Operator	532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing (pt)
		@ Equipment Rental and Leasing, NEC		
473	7359	Consumer Electronics and Appliances	53221	Consumer Electronics and Appliances Rental
473	7359	General Rental Centers	53231	General Rental Centers
473	7359	Residential Furniture, Party Supplies,	532299	All Other Consumer Goods Rental
473	7359	Oilfield and Well Drilling Machinery and Equipment Rental and Leasing	532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing (pt)
473	7359	Aircraft Rental and Leasing	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing (pt)
473	7359	Portable Toilet Rental	562991	Septic Tank and Related Services (pt)
473	7359	Office Machinery and Equipment Rental and	53242	Office Machinery and Equipment Rental and Leasing (pt)
473	7359	Industrial Trucks Rental and Leasing	53249	Other Commercial and Industrial Machinery and Equipment Rental and Leasing (pt)
		@ Employment Agencies		
474	7361	Executive Placing Services	541612	Human Resources and Executive Search Consulting Services (pt)

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474	7361	Except Executive Placing Services Help Supply Services	56131	Employment Placement Agencies (pt)
474	7363	Temporary Help Supply	56132	Temporary Help Services
474	7363	Employee Leasing Services	56133	Employee Leasing Services
475	7371	Computer Programming Services Prepackaged Software	541511	Custom Computer Programming Services
475	7372	Software Publishing	51121	Software Publishers
475	7372	Reproduction of Software	334611	Software Reproducing
475	7373	Computer Integrated Systems Design	541512	Computer Systems Design Services (pt)
475	7374	Computer Processing and Data Preparation and	51421	Data Processing Services
475	7375	Information Retrieval Services	514191	On-Line Information Services
475	7376	Computer Facilities Management Services	541513	Computer Facilities Management Services
475	7377	Computer Rental and Leasing Computer Maintenance and Repair	53242	Office Machinery and Equipment Rental and Leasing (pt)
475	7378	Retailing Computers From a Storefront and	44312	Computer and Software Stores (pt)
475	7378	All Other Repair Computer Related Services, NEC	811212	Computer and Office Machine Repair and Maintenance (pt)
475	7379	Disk and Diskette Conversion and	51421	Data Processing Services (pt)
475	7379	Computer Systems Consultants	541512	Computer Systems Design Services (pt)
475	7379	Except Computer Systems Consultants and Detective, Guard, and Armored Car Services	541519	Other Computer Related Services
476	7381	Detective Services	561611	Investigation Services
476	7381	Guard Services	561612	Security Guards and Patrol Services
476	7381	Armored Car Services	561613	Armored Car Services
476	7382	Security Systems Services News Syndicates	561621	Security Systems Services (except Locksmiths) (pt)
470	7383	Independent Correspondents	71151	Independent Artists, Writers, and Performers (pt)
470	7383	Except Independent Correspondents Photofinishing Laboratories	51411	News Syndicates
471	7384	Photofinishing Laboratories (Except	812921	Photofinishing Laboratories (except One-Hour)
471	7384	One-Hour Photofinishing Business Services, NEC	812922	One-Hour Photofinishing
470	7389	Sound Recording Studios	51224	Sound Recording Studios
470	7389	Audio Taping Services	51229	Other Sound Recording Industries (pt)
470	7389	Stock Photo Agencies and Press Clipping	514199	All Other Information Services (pt)
470	7389	Process Services, Patent Agents, Notaries	541199	All Other Legal Services
470	7389	Bail Bonding	81299	All Other Personal Services (pt)
470	7389	Mapmaking Services	54137	Surveying and Mapping (except Geophysical) Services (pt)
470	7389	Interior Design	54141	Interior Design Services
470	7389	Industrial Design	54142	Industrial Design Services
470	7389	Drafting Service	54134	Drafting Services
470	7389	Fashion and Other Design Services	54149	Other Specialized Design Services
470	7389	Sign Painting and Lettering Shops,	54189	Other Services Related to Advertising (pt)
470	7389	Translation and Interpretation Services	54193	Translation and Interpretation Services
470	7389	Home and Building Inspection Services	54135	Building Inspection Services
470	7389	Appraisers, Except Insurance and Real	54199	All Other Professional, Scientific, and Technical Services
470	7389	Microfilm Services	51421	Data Processing Services (pt)
470	7389	Agents and Brokers for Authors and Artists and Speaker Bureaus	71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures (pt)
470	7389	Yacht Brokers	42186	Transportation Equipment and Supplies (except Motor Vehicle) Wholesalers
470	7389	Telephone Answering Services	561421	Telephone Answering Services
470	7389	Aerosol Packaging	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing (pt)
470	7389	Telemarketing Bureaus and Telephone	561422	Telemarketing Bureaus
470	7389	Private Mail Centers and Mail Box Rental	561431	Private Mail Centers
470	7389	Business Service Centers, Except Private	561439	Other Business Service Centers (including Copy Shops)
470	7389	Embroidery of Advertising on Shirts and	314999	All Other Miscellaneous Textile Product Mills (pt)
470	7389	Sponging Fabric for Tailors and	313311	Broadwoven Fabric Finishing Mills (pt)
470	7389	Distribution of Telephone Directories on	54187	Advertising Material Distribution Services
470	7389	Post Office Contract Stations	49111	Postal Service (pt)
470	7389	Apparel Pressing for the Trade	81232	Drycleaning and Laundry Services (except Coin-Operated)
470	7389	Recovery and Repossession	561491	Repossession Services (pt)
470	7389	Packaging and Labeling Services	56191	Packaging and Labeling Services
470	7389	Swimming Pool Cleaning and Maintenance	56179	Other Services to Buildings and Dwellings (pt)
470	7389	Hotel and Restaurant Reservation Services	561599	All Other Travel Arrangement and Reservation Services (pt)
470	7389	Convention and Trade Show Services	56192	Convention and Trade Show Organizers
470	7389	Convention and Visitors Bureaus and	561591	Convention and Visitors Bureaus
470	7389	Credit Card and Check Validation Services	52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities (pt)
470	7389	Business Support Services, Except	561499	All Other Business Support Services
470	7389	All Other Support Services	56199	All Other Support Services
477	7513	Automotive repair, services, and parking Truck Rental and Leasing, Without Drivers	53212	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing (pt)
477	7514	Passenger Car Rental	532111	Passenger Car Rental
477	7515	Passenger Car Leasing	532112	Passenger Car Leasing
477	7519	Utility Trailer and Recreational Vehicle Rental	53212	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing (pt)
478	7521	Automobile Parking	81293	Parking Lots and Garages (pt)
479	7532	Top, Body, and Upholstery Repair Shops and	811121	Automotive Body, Paint, and Interior Repair and Maintenance
479	7533	Automotive Exhaust System Repair Shops @ Tire Retreading and Repair Shops	811112	Automotive Exhaust System Repair
479	7534	Retreading	326212	Tire Retreading
479	7534	Repair	811198	All Other Automotive Repair and Maintenance (pt)
479	7536	Automotive Glass Replacement Shops	811122	Automotive Glass Replacement Shops (pt)
479	7537	Automotive Transmission Repair Shops	811113	Automotive Transmission Repair
479	7538	General Automotive Repair Shops	811111	General Automotive Repair
479	7539	Automotive Repair Shops, NEC	811118	Other Automotive Mechanical and Electrical Repair and Maintenance
478	7542	Carwashes	811192	Car Washes

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		@ Automotive Services, Except Repair and		
479	7549	Automotive Window Tinting	811122	Automotive Glass Replacement Shops (pt)
479	7549	Lubricating Services, Automotive	811191	Automotive Oil Change and Lubrication Shops
479	7549	Towing	48841	Motor Vehicle Towing
479	7549	Except Automotive Window Tinting,	811198	All Other Automotive Repair and Maintenance (pt)
		Miscellaneous repair services		
		Radio and Television Repair Shops		
480	7622	Retailing New Electronic Equipment from a	443112	Radio, Television, and Other Electronics Stores (pt)
480	7622	Other Stereo, TV, VCR, and Radio Repair	811211	Consumer Electronics Repair and Maintenance (pt)
480	7622	Other Telecommunications Equipment Repair	811213	Communication Equipment Repair and Maintenance (pt)
		Refrigeration and Air-Conditioning Services		
480	7623	Retailing New Refrigerators from a	443111	Household Appliance Stores (pt)
480	7623	Commercial Refrigerator Equipment Repair	81131	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance (pt)
		Except Commercial and Retailing New		
480	7623	Electrical and Electronic Repair Shops, NEC	811412	Appliance Repair and Maintenance (pt)
		Retailing New Electrical and Electronic		
480	7629	Business and Office Machine Repair,	443111	Household Appliance Stores (pt)
480	7629	Telephone Set Repair	811212	Computer and Office Machine Repair and Maintenance (pt)
480	7629	Electrical Measuring Instrument Repair	811213	Communication Equipment Repair and Maintenance (pt)
480	7629	Appliance Repair, Electrical; Washing	811219	Other Electronic and Precision Equipment Repair and Maintenance (pt)
480	7629	Other Consumer Electronic Equipment	811412	Appliance Repair and Maintenance (pt)
481	7631	@ Watch, Clock, and Jewelry Repair	811211	Consumer Electronics Repair and Maintenance (pt)
		Reupholstery and Furniture Repair	81149	Other Personal and Household Goods Repair and Maintenance (pt)
481	7641	Antique Furniture Restoration	71151	Independent Artists, Writers, and Performers (pt)
481	7641	Except Antique Furniture Restoration	81142	Reupholstery and Furniture Repair
482	7692	@ Welding Repair	81131	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance (pt)
		@ Armature Rewinding Shops		
482	7694	Repair	81131	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance (pt)
		Remanufacturing		
482	7694	Repair Shops and Related Services, NEC	335312	Motor and Generator Manufacturing (pt)
		Boiler Cleaning		
482	7699	Custom Picture Framing	23511	Plumbing, Heating, and Air-Conditioning Contractors (pt)
482	7699	Locksmith Shops	442299	All Other Home Furnishings Stores (pt)
482	7699	Cesspool and Septic Tank Cleaning	561622	Locksmiths
482	7699	Furnace Ducts, Chimney, and Gutter	562991	Septic Tank and Related Services (pt)
482	7699	Sewer Cleaning and Rodding	56179	Other Services to Buildings and Dwellings (pt)
482	7699	Ship Scaling	562998	All Other Miscellaneous Waste Management Services (pt)
482	7699	Other Non-Automotive Transportation	48839	Other Support Activities for Water Transportation (pt)
		Equipment and Industrial Machinery and		
482	7699	Retailing New Bicycles from a Storefront	81131	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance (pt)
482	7699	Farrriers	45111	Sporting Goods Stores (pt)
482	7699	Camera Repair	11521	Support Activities for Animal Production (pt)
482	7699	Typewriter Repair	811211	Consumer Electronics Repair and Maintenance (pt)
482	7699	Dental Instrument Repair, Laboratory	811212	Computer and Office Machine Repair and Maintenance (pt)
482	7699	Lawnmower Repair Shops, Sharpening and	811219	Other Electronic and Precision Equipment Repair and Maintenance (pt)
482	7699	Taxidermists, and Antique Repair and	811411	Home and Garden Equipment Repair and Maintenance
482	7699	Gas Appliance Repair Service, Sewing	71151	Independent Artists, Writers, and Performers
482	7699	Leather Goods Repair Shops, Luggage	811412	Appliance Repair and Maintenance (pt)
482	7699	Except Industrial, Electronic, Home and	81143	Footwear and Leather Goods Repair (pt)
		Motion pictures		
483	7812	Motion Picture and Video Tape Production	51211	Motion Picture and Video Production
		Services Allied to Motion Picture Production		
483	7819	Teleproduction and Post-Production	512191	Teleproduction and Other Postproduction Services
483	7819	Casting Bureaus	56131	Employment Placement Agencies (pt)
483	7819	Wardrobe Rental (Motion Pictures)	53222	Formal Wear and Costume Rental (pt)
483	7819	Rental of Motion Picture Equipment	53249	Other Commercial and Industrial Machinery and Equipment Rental and Leasing (pt)
		Talent Payment Services		
483	7819	Film Directors and Related Motion Picture	541214	Payroll Services (pt)
483	7819	Reproduction of Video	71151	Independent Artists, Writers, and Performers (pt)
		All Other Services		
483	7819	Motion Picture and Video Tape Distribution	334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing (pt)
483	7822	Prerecorded Video Tapes (Wholesaling of)	512199	Other Motion Picture and Video Industries (pt)
483	7822	All Other	42199	Other Miscellaneous Durable Goods Wholesalers (pt)
		Services Allied to Motion Picture		
483	7829	Booking Agencies	51212	Motion Picture and Video Distribution (pt)
483	7829	Film Archives	512199	Other Motion Picture and Video Industries (pt)
483	7829	Commercial Distribution Film Libraries	51412	Libraries and Archives (pt)
483	7832	Motion Picture Theaters, Except Drive-Ins	51212	Motion Picture and Video Distribution (pt)
483	7833	Drive-In Motion Picture Theaters	512131	Motion Picture Theaters (except Drive-Ins)
483	7841	Video Tape Rental	512132	Drive-In Motion Picture Theaters
		Amusement and recreational services		
		@ Dance Studios, Schools, and Halls		
488	7911	Dance Studios and Halls	71399	All Other Amusement and Recreation Industries (pt)
488	7911	Dance Schools	61161	Fine Arts Schools (pt)
		@ Theatrical Producers (Except Motion Picture)		
484	7922	Casting Agencies	56131	Employment Placement Agencies (pt)
484	7922	Theater and Opera Companies	71111	Theater Companies and Dinner Theaters (pt)
484	7922	Theatrical Agents	71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures (pt)
		Theatrical Ticket Agencies		
484	7922	Costume Design, Theatrical	561599	All Other Travel Arrangement and Reservation Services (pt)
484	7922	Ballet and Dance Companies	71151	Independent Artists, Writers, and Performers (pt)
			71112	Dance Companies

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
484	7922	Theater Operators	71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities (pt)
484	7922	Theatrical Promoters	71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities (pt)
484	7922	Producers of Radio Programs	51229	Other Sound Recording Industries (pt)
484	7922	Theatrical Equipment Rental	53249	Other Commercial and Industrial Machinery and Equipment Rental and Leasing (pt)
		@ Bands, Orchestras, Actors, and Other		
484	7929	Musical Groups and Artists, Orchestras	71113	Musical Groups and Artists
484	7929	Actors and Actresses	71151	Independent Artists, Writers, and Performers (pt)
484	7929	Except Musical Groups and Artists, Actors	71119	Other Performing Arts Companies (pt)
485	7933	Bowling Centers	71395	Bowling Centers
		@ Professional Sports Clubs and Promoters		
486	7941	Professional Sports Clubs	71211	Sports Teams and Clubs
486	7941	Sports Agents	71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures (pt)
486	7941	Sports Promoters	71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities (pt)
486	7941	Stadium Operators	71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities (pt)
		@ Racing, Including Track Operations		
487	7948	Racetrack Operators	711212	Racetracks
487	7948	Racing, except Track Operators	711219	Other Spectator Sports (pt)
488	7991	@ Physical Fitness Facilities	71394	Fitness and Recreational Sports Centers (pt)
488	7992	@ Public Golf Courses	71391	Golf Courses and Country Clubs (pt)
		@ Coin-Operated Amusement Devices		
488	7993	Amusement Arcades	71312	Amusement Arcades
488	7993	Gambling (Slot Machine) Operators	71329	Other Gambling Industries (pt)
488	7993	Except Amusement Arcades and Slot Machine	71399	All Other Amusement and Recreation Industries (pt)
488	7996	Amusement Parks	71311	Amusement and Theme Parks
		@ Membership Sports and Recreation Clubs		
489	7997	Golf Clubs	71391	Golf Courses and Country Clubs (pt)
489	7997	Recreation Clubs with Facilities	71394	Fitness and Recreational Sports Centers (pt)
489	7997	Recreation Clubs Without Facilities	71399	All Other Amusement and Recreation Industries (pt)
		Amusement and Recreation Services, NEC		
488	7999	Ticket Agencies	561599	All Other Travel Arrangement and Reservation Services (pt)
488	7999	Aerial Tramways, Scenic and Amusement	48799	Scenic and Sightseeing Transportation, Other (pt)
488	7999	Circus Companies and Traveling Carnival	71119	Other Performing Arts Companies (pt)
488	7999	Professional Athletes	711219	Other Spectator Sports (pt)
488	7999	Skiing Facilities	71392	Skiing Facilities
488	7999	Nonmembership Recreation Facilities	71394	Fitness and Recreational Sports Centers (pt)
488	7999	Casinos, except Casino Hotels	71321	Casinos (except Casino Hotels)
488	7999	Lottery, Bingo, Bookie and Other Gaming	71329	Other Gambling Industries (pt)
488	7999	Caverns and Miscellaneous Commercial	71219	Nature Parks and Other Similar Institutions (pt)
488	7999	Sports Instruction	61162	Sports and Recreation Instruction
488	7999	Nonathletic Recreational Instruction	611699	All Other Miscellaneous Schools and Instruction (pt)
488	7999	State Fairs, Agriculture Fairs, and County Fairs with Facilities	71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities (pt)
488	7999	State Fairs, Agriculture Fairs, and County Fairs without Facilities	71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities (pt)
488	7999	Sports Equipment Rental	532292	Recreational Goods Rental
488	7999	Scenic Transport Operations, Land	48711	Scenic and Sightseeing Transportation, Land (pt)
488	7999	Charter Fishing	48721	Scenic and Sightseeing Transportation, Water (pt)
488	7999	Amusement and Recreation Services, NEC	71399	All Other Amusement and Recreation Industries (pt)
		Health services		
		@ Offices and Clinics of Doctors of Medicine		
490	8011	Surgical and Emergency Centers	621493	Freestanding Ambulatory Surgical and Emergency Centers
490	8011	HMO Medical Centers	621491	HMO Medical Centers
490	8011	Offices of Physicians, Mental Health	621112	Offices of Physicians, Mental Health Specialists (pt)
490	8011	Offices of Physicians Except Mental	621111	Offices of Physicians (except Mental Health Specialists) (pt)
490	8021	Offices and Clinics of Dentists	62121	Offices of Dentists
		@ Offices and Clinics of Doctors of Osteopathy		
490	8031	Offices of Doctors of Osteopathy, Except	621111	Offices of Physicians (except Mental Health Specialists) (pt)
490	8031	Offices of Doctors of Osteopathy, Mental	621112	Offices of Physicians, Mental Health Specialists (pt)
490	8041	Offices and Clinics of Chiropractors	62131	Offices of Chiropractors
490	8042	Offices and Clinics of Optometrists	62132	Offices of Optometrists
490	8043	Offices and Clinics of Podiatrists	621391	Offices of Podiatrists
		Offices and Clinics of Health Practitioners,		
490	8049	Mental Health Practitioners, Except	62133	Offices of Mental Health Practitioners (except Physicians)
490	8049	Offices of Physical, Occupational, Recreational, and Speech Therapists and	62134	Offices of Physical, Occupational and Speech Therapists, and Audiologists
490	8049	Other Offices of Health Practitioners	621399	Offices of All Other Miscellaneous Health Practitioners
		@ Skilled Nursing Care Facilities		
491	8051	Continuing Care Retirement Communities	623311	Continuing Care Retirement Communities (pt)
491	8051	All Other Skilled Nursing Care Facilities	62311	Nursing Care Facilities (pt)
		@ Intermediate Care Facilities		
491	8052	Continuing Care Retirement Communities	623311	Continuing Care Retirement Communities (pt)
491	8052	Mental Retardation Facilities	62321	Residential Mental Retardation Facilities
491	8052	Other Intermediate Care Facilities	62311	Nursing Care Facilities (pt)
		@ Nursing and Personal Care Facilities, NEC		
491	8059	Continuing Care Retirement Communities	623311	Continuing Care Retirement Communities (pt)
491	8059	Other Nursing and Personal Care	62311	Nursing Care Facilities (pt)
492	8062	@ General Medical and Surgical Hospitals	62211	General Medical and Surgical Hospitals (pt)
492	8063	@ Psychiatric Hospitals	62221	Psychiatric and Substance Abuse Hospitals (pt)
		@ Specialty Hospitals, Except Psychiatric		
492	8069	Children's Hospitals	62211	General Medical and Surgical Hospitals (pt)
492	8069	Substance Abuse Hospitals	62221	Psychiatric and Substance Abuse Hospitals (pt)
492	8069	Other Specialty Hospitals	62231	Specialty (except Psychiatric and Substance Abuse) Hospitals
		Medical Laboratories		

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
493	8071	Diagnostic Imaging Centers	621512	Diagnostic Imaging Centers
493	8071	Medical Laboratories, Except Diagnostic	621511	Medical Laboratories
493	8072	Dental Laboratories	339116	Dental Laboratories
493	8082	Home Health Care Services	62161	Home Health Care Services
493	8092	Kidney Dialysis Centers	621492	Kidney Dialysis Centers
		Specialty Outpatient Facilities, NEC		
493	8093	Family Planning Centers	62141	Family Planning Centers (pt)
493	8093	Outpatient Mental Health Facilities	62142	Outpatient Mental Health and Substance Abuse Centers
493	8093	Other Specialty Outpatient Facilities @ Health and Allied Services, NEC	621498	All Other Outpatient Care Centers
		Blood and Organ Banks		
493	8099	Blood and Organ Banks	621991	Blood and Organ Banks
493	8099	Medical artists	54143	Graphic Design Services (pt)
493	8099	Medical Photography	541922	Commercial Photography (pt)
493	8099	Childbirth Preparation Classes	62141	Family Planning Centers (pt)
493	8099	Other Health and Allied Services	621999	All Other Miscellaneous Ambulatory Health Care Services
		Legal services		
494	8111	Legal Services	54111	Offices of Lawyers
		Educational services		
495	8211	Elementary and Secondary Schools	61111	Elementary and Secondary Schools
496	8221	Colleges, Universities, and Professional	61131	Colleges, Universities, and Professional Schools
496	8222	Junior Colleges and Technical Institutes	61121	Junior Colleges
497	8231	Libraries	51412	Libraries and Archives
		Data Processing Schools		
497	8243	Computer Repair Training	611519	Other Technical and Trade Schools (pt)
497	8243	Except Computer Repair Training	61142	Computer Training
497	8244	Business and Secretarial Schools @ Vocational Schools, NEC	61141	Business and Secretarial Schools
		Vocational Apprenticeship Training		
497	8249	Vocational Apprenticeship Training	611513	Apprenticeship Training
497	8249	Aviation Schools	611512	Flight Training (pt)
497	8249	Other Technical and Trade Schools @ Schools and Educational Services, NEC	611519	Other Technical and Trade Schools (pt)
		Flying Instruction		
497	8299	Flying Instruction	611512	Flight Training (pt)
497	8299	Automobile Driving Instruction	611692	Automobile Driving Schools
497	8299	Curriculum Development, Educational	61171	Educational Support Services (pt)
497	8299	Exam Preparation and Tutoring	611691	Exam Preparation and Tutoring
497	8299	Art Drama and Music Schools	61161	Fine Arts Schools (pt)
497	8299	Language Schools	61163	Language Schools
497	8299	Professional and Management Development	61143	Professional and Management Development Training
497	8299	Cooking and Modeling Schools	611519	Other Technical and Trade Schools (pt)
497	8299	All Other Schools and Educational	611699	All Other Miscellaneous Schools and Instruction
		Social services		
		Individual and Family Social Services		
500	8322	Child and Youth Services	62411	Child and Youth Services
500	8322	Community Food Services	62421	Community Food Services
500	8322	Community Housing Services, Except	624229	Other Community Housing Services
500	8322	Emergency and Other Relief Services	62423	Emergency and Other Relief Services
500	8322	Services for the Elderly and Persons with	62412	Services for the Elderly and Persons with Disabilities
500	8322	Temporary Shelter	624221	Temporary Shelters
500	8322	Parole Offices and Probation Offices	92215	Parole Offices and Probation Offices
500	8322	Other Individual and Family Services	62419	Other Individual and Family Services
498	8331	Job Training and Vocational Rehabilitation	62431	Vocational Rehabilitation Services
499	8351	Child Day Care Services	62441	Child Day Care Services (pt)
		Residential Care		
501	8361	Homes for the Elderly	623312	Homes for the Elderly
501	8361	Mental Health and Substance Abuse	62322	Residential Mental Health and Substance Abuse Facilities
501	8361	Other Residential Care	62399	Other Residential Care Facilities
		Social Services, NEC		
500	8399	Voluntary Health Organizations	813212	Voluntary Health Organizations
500	8399	Grantmaking and Giving	813219	Other Grantmaking and Giving Services
500	8399	Human Rights Organizations	813311	Human Rights Organizations
500	8399	Environment, Conservation, and Wildlife	813312	Environment, Conservation and Wildlife Organizations (pt)
500	8399	All Other Social Advocacy Organizations	813319	Other Social Advocacy Organizations
		Museums, art galleries, botanical & Museums and Art Galleries		
502	8412	Museums	71211	Museums
502	8412	Historical and Heritage Sites	71212	Historical Sites
		Arboreta and Botanical or Zoological Gardens		
502	8422	Botanical and Zoological Gardens	71213	Zoos and Botanical Gardens
502	8422	Nature Parks and Reserves	71219	Nature Parks and Other Similar Institutions (pt)
		Membership organizations		
503	8611	Business Associations	81391	Business Associations (pt)
503	8621	Professional Membership Organizations	81392	Professional Organizations
504	8631	Labor Unions and Similar Labor Organizations	81393	Labor Unions and Similar Labor Organizations
		Civic, Social, and Fraternal Associations		
504	8641	Civic and Social Associations	81341	Civic and Social Organizations (pt)
504	8641	Homeowner and Condominium Associations	81399	Other Similar Organizations(pt)
504	8641	American Indian and Alaska Native Tribal	92115	American Indian and Alaska Native Tribal Governments
502	8651	Political Organizations	81394	Political Organizations
505	8661	Religious Organizations	81311	Religious Organizations
		@ Membership Organizations, NEC		
502	8699	Except Humane Societies, Farm Business	81341	Civic and Social Organizations (pt)
502	8699	Farm Business Organizations	81391	Business Associations (pt)
502	8699	Humane Societies	813312	Environment, Conservation and Wildlife Organizations (pt)
502	8699	Travel Motor Clubs	561599	All Other Travel Arrangement and Reservation Services (pt)

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
	502	8699 Athletic Associations	81399	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations) (pt)
		Engineering and management services		
	506	8711 Engineering Services	54133	Engineering Services (pt)
	506	8712 Architectural Services	54131	Architectural Services
		Surveying Services		
	506	8713 Geophysical Surveying Services	54136	Geophysical Surveying and Mapping Services (pt)
	506	8713 Except Geophysical Surveying	54137	Surveying and Mapping (except Geophysical) Services (pt)
		@ Accounting, Auditing, and Bookkeeping		
	507	8721 Auditing Accountants	541211	Offices of Certified Public Accountants
	507	8721 Payroll Services	541214	Payroll Services (pt)
	507	8721 Other Accounting Services	541219	Other Accounting Services
	509	8731 Commercial Physical and Biological Research	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
		@ Commercial Economic, Sociological, and		
	509	8732 Social Sciences and Humanities	54172	Research and Development in the Social Sciences and Humanities (pt)
	509	8732 Market Research and Opinion Research	54191	Marketing Research and Public Opinion Polling
		@ Noncommercial Research Organizations		
	509	8733 Physical, Engineering, and Life Services	54171	Research and Development in the Physical, Engineering, and Life Sciences (pt)
	509	8733 Social Sciences and Humanities	54172	Research and Development in the Social Sciences and Humanities (pt)
		Testing Laboratories		
	509	8734 Veterinary Testing Labs	54194	Veterinary Services (pt)
	509	8734 Except Veterinary Testing Labs	54138	Testing Laboratories
		@ Management Services		
	508	8741 Except Construction Management Services	56111	Office Administrative Services
	508	8741 Construction Management Services	23	Included in Construction Sector By Type of Construction
		@ Management Consulting Services		
	508	8742 Administrative and General Management	541611	Administrative Management and General Management Consulting Services
	508	8742 Human Resources and Personnel Management	541612	Human Resources and Executive Search Consulting Services (pt)
	508	8742 Marketing Consulting	541613	Marketing Consulting Services
	508	8742 Manufacturing Management, Physical	541614	Process, Physical Distribution, and Logistics Consulting Services (pt)
	508	8743 Public Relations Services	54182	Public Relations Agencies
	508	8744 Facilities Support Management Services	56121	Facilities Support Services
		@ Business Consulting Services, NEC		
	508	8748 Educational Test Development and	61171	Educational Support Services (pt)
	508	8748 Safety Consulting and Security Consulting	54169	Other Scientific and Technical Consulting Services (pt)
	508	8748 Agriculture Consulting and Economic	54169	Other Scientific and Technical Consulting Services (pt)
	508	8748 Urban Planners and Industrial Development	54132	Landscape Architectural Services (pt)
	508	8748 Traffic Engineering Consulting	54133	Engineering Services (pt)
	508	8748 All Other Business Consulting Services	541618	Other Management Consulting Services
		Private households		
	525	8811 Private Households	81411	Private Households
		Miscellaneous services		
		@ Services, NEC		
		8999 Authors, Artists, and Related Technical	71151	Independent Artists, Writers, and Performers (pt)
		8999 Record Production	51221	Record Production
		8999 Scientific and Related Consulting	54169	Other Scientific and Technical Consulting Services (pt)
		8999 Music Publishing	51223	Music Publishers (pt)
		8999 Actuarial Consulting	541612	Human Resources and Executive Search Consulting Services (pt)
		8999 All Other Information Providers	54199	All Other Information Services (pt)
		8999 Environmental Consultants	54162	Environmental Consulting Services
		Executive, legislative, and general		
		9111 Executive Offices	92111	Executive Offices
		9121 Legislative Bodies	92112	Legislative Bodies
		9131 Executive and Legislative Offices, Combined	92114	Executive and Legislative Offices, Combined
		9199 General Government, NEC	92119	Other General Government Support
		Justice, public order, and safety		
		9211 Courts	92211	Courts
		9221 Police Protection	92212	Police Protection
		9222 Legal Counsel and Prosecution	92213	Legal Counsel and Prosecution
		9223 Correctional Institutions	92214	Correctional Institutions
		9224 Fire Protection	92216	Fire Protection
		9229 Public Order and Safety, NEC	92219	Other Justice, Public Order, and Safety
		Finance, taxation, and monetary policy		
		9311 Public Finance, Taxation, and Monetary Policy	92113	Public Finance Activities
		Administration of human resources		
		9411 Administration of Educational Programs	92311	Administration of Education Programs
		9431 Administration of Public Health Programs	92312	Administration of Public Health Programs
		9441 Administration of Social, Human Resource and	92313	Administration of Human Resource Programs (except Education, Public
		Income Maintenance Programs	Health, and Veterans' Affairs Programs)	
		9451 Administration of Veterans' Affairs, Except	92314	Administration of Veterans' Affairs
		Environmental quality and housing		
		9511 Air and Water Resource and Solid Waste	92411	Administration of Air and Water Resource and Solid Waste Management
		Management	Programs	
		9512 Land, Mineral, Wildlife, and Forest	92412	Administration of Conservation Programs
		9531 Administration of Housing Programs	92511	Administration of Housing Programs
		9532 Administration of Urban Planning and	92512	Administration of Urban Planning and Community and Rural Development

IMPLAN Sector	SIC	1987 U.S. SIC Description	NAICS	1997 NAICS U.S. Description
		Administration of economic programs		
	9611	Administration of General Economic Programs	92611	Administration of General Economic Programs
		Regulation and Administration of		
	9621	Air Traffic Control	488111	Air Traffic Control (pt)
	9621	Except Air Traffic Control	92612	Regulation and Administration of Transportation Programs
	9631	Regulation and Administration of	92613	Regulation and Administration of Communications, Electric, Gas, and
		Communications, Electric, Gas, and Other		Other Utilities
	9641	Regulation of Agricultural Marketing and	92614	Regulation of Agricultural Marketing and Commodities
	9651	Regulation, Licensing, and Inspection of	92615	Regulation, Licensing, and Inspection of Miscellaneous Commercial
		Miscellaneous Commercial Sectors		Sectors
	9661	Space Research and Technology	92711	Space Research and Technology
		National security and international affairs		
	9711	National Security	92811	National Security
	9721	International Affairs	92812	International Affairs
	9999	Nonclassifiable Establishments	99999	Unclassified Establishments

Appendix B.

The following tables provide baseline value-added, employee compensation, and employment results of the 528 IMPLAN sectors for the period 1995 through 2000, inclusive.

Table B.1
IMPLAN Sectors Aggregated to 2-Digit SIC

2-digit SIC Aggregated Sector Name	Composed of IMPLAN Sector:
Farms	1 through 23
Forestry Products	24
Commercial Fishing	25
Ag Services	26 through 27
Metal mining	28 through 36
Coal Mining	37
Oil mining	38 39 57
Non-metal mining	40 through 47
Construction	48 through 56
Food processing	58 through 103
Tobacco mfg	104 through 107
Textiles	108 through 123
Apparel	124 through 132
Wood products	133 through 147
Furniture	148 through 160
Pulp and paper	161 through 173
Printing and publishing	174 through 185
Chemicals and allied	186 through 209
Petroleum products	210 through 214
Rubber products	215 through 220
Leather products	221 through 229
Stone, glass and clay	230 through 253
Primary metals	254 through 272
Fabricated metal	273 through 306
Industrial machinery	307 through 354
Electrical equipment	355 through 383
Transportation equipment	384 through 399
Scientific instruments	400 through 414
Miscellaneous mfg	415 through 432
Railroads and Related Services	433
Local, Interurban Passenger Transit	434
Motor Freight Transport and Warehousing	435
Water Transportation	436
Air Transportation	437
Pipe Lines, Except Natural Gas	438
Transportation Services	439 through 440
Communications	441 through 442
Utilities	443 through 446
Wholesale Trade	447
Retail Trade	448 through 455
Banking	456
Credit Agencies	457
Security and Commodity Brokers	458
Insurance Carriers	459
Insurance Agents and Brokers	460
Real estate	461 through 462
Hotels and Lodging Places	463
Personal services	464 through 468
Business services	469 through 476
Automotive services	477 through 479
Repair services	480 through 482
Motion Pictures	483
Recreation services	484 through 489
Health services	490 through 493
Legal Services	494
Education services	495 through 497
Social services	498 through 501
Non-profit organizations	502 through 505
Professional services	506 through 509
State & local non-ed government	510 through 512 523
Federal non-military	513 through 515 520
Special sectors	516 through 518 521 524 526 527 528
Federal Government - Military	519
State & Local Government - Education	522
Domestic Services	525

Employment

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
1 Dairy Farm Products	169	171	120	119	129	132
2 Poultry and Eggs	158	149	165	164	177	184
3 Ranch Fed Cattle	281	155	268	240	282	369
4 Range Fed Cattle	54	34	60	52	61	80
5 Cattle Feedlots	9	5	3	2	3	4
6 Sheep, Lambs and Goats	5	3	2	2	1	1
7 Hogs, Pigs and Swine	16	13	21	10	11	15
8 Other Meat Animal Products	1	0	0	0	0	0
9 Miscellaneous Livestock	2,486	1,802	3,354	3,335	3,281	3,624
10 Cotton	0	0	0	0	0	0
11 Food Grains	0	0	0	0	0	0
12 Feed Grains	0	0	1	1	1	1
13 Hay and Pasture	99	71	167	162	181	201
14 Grass Seeds	69	46	57	54	56	67
15 Tobacco	0	0	0	0	0	0
16 Fruits	2,650	2,676	1,823	1,884	2,218	2,390
17 Tree Nuts	0	0	0	0	2	2
18 Vegetables	807	754	825	830	844	963
19 Sugar Crops	0	0	0	0	0	0
20 Miscellaneous Crops	38	28	0	0	48	49
21 Oil Bearing Crops	0	0	1	1	1	1
22 Forest Products	15	10	19	17	19	22
23 Greenhouse and Nursery Products	1,414	1,277	1,362	1,317	1,653	1,979
24 Forestry Products	59	4	3	6	106	45
25 Commercial Fishing	672	483	542	246	263	194
26 Agricultural, Forestry, Fishery Services	4,242	3,347	3,293	3,817	2,963	3,007
27 Landscape and Horticultural Services	2,380	2,260	2,336	3,685	4,275	4,912
28 Iron Ores	0	0	0	0	0	0
29 Copper Ores	0	0	0	0	0	0
30 Lead and Zinc Ores	0	0	0	0	0	0
31 Gold Ores	0	0	0	0	0	0
32 Silver Ores	0	0	0	0	0	0
33 Ferroalloy Ores, Except Vanadium	0	0	0	0	0	0
34 Metal Mining Services	0	0	0	0	0	4
35 Uranium-radium-vanadium Ores	0	0	0	0	0	0
36 Metal Ores, Not Elsewhere Classified	0	0	1	0	0	0
37 Coal Mining	0	0	0	0	0	0
38 Natural Gas & Crude Petroleum	0	0	0	0	0	100
39 Natural Gas Liquids	0	0	0	0	0	0
40 Dimension Stone	0	6	6	0	1	14
41 Sand and Gravel	0	4	5	28	10	80
42 Clay, Ceramic, Refractory Minerals, N.E.C.	0	0	0	0	0	0
43 Potash, Soda, and Borate Minerals	0	0	0	0	0	0
44 Phosphate Rock	0	0	0	0	3	32
45 Chemical, Fertilizer Mineral Mining, N.E.C.	0	0	0	0	2	0
46 Nonmetallic Minerals (Except Fuels) Service	0	0	0	0	0	0
47 Misc. Nonmetallic Minerals, N.E.C.	12	1	1	5	1	15
48 New Residential Structures	12,063	12,880	13,398	14,099	14,789	15,378
49 New Industrial and Commercial Buildings	4,458	4,764	4,957	5,219	5,482	5,707
50 New Utility Structures	1,208	1,289	1,342	1,410	1,482	1,543
51 New Highways and Streets	1,373	1,467	1,529	1,612	1,696	1,769
52 New Farm Structures	0	0	0	0	0	0
53 New Mineral Extraction Facilities	0	0	0	0	0	0
54 New Government Facilities	3,939	4,212	4,386	4,614	4,850	5,048
55 Maintenance and Repair, Residential	3,608	3,869	4,032	4,252	4,467	4,643
56 Maintenance and Repair Other Facilities	7,413	7,952	8,290	8,748	9,203	9,577
57 Maintenance and Repair Oil and Gas Wells	23	51	56	51	55	4
58 Meat Packing Plants	874	617	593	721	631	686
59 Sausages and Other Prepared Meats	6	0	0	0	0	0
60 Poultry Processing	0	23	23	24	22	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
61 Creamery Butter	0	0	0	0	0	0
62 Cheese, Natural and Processed	0	0	0	0	0	0
63 Condensed and Evaporated Milk	1	1	1	0	0	0
64 Ice Cream and Frozen Desserts	0	0	0	0	1	2
65 Fluid Milk	109	105	103	124	36	45
66 Canned Specialties	9	5	4	2	2	0
67 Canned Fruits and Vegetables	75	54	50	23	32	23
68 Dehydrated Food Products	4	10	9	6	3	3
69 Pickles, Sauces, and Salad Dressings	3	4	3	3	0	0
70 Frozen Fruits, Juices and Vegetables	0	0	0	0	0	0
71 Frozen Specialties	201	169	164	107	101	97
72 Flour and Other Grain Mill Products	50	8	7	7	6	9
73 Cereal Preparations	0	0	0	0	0	0
74 Rice Milling	0	0	0	0	0	0
75 Blended and Prepared Flour	0	0	0	0	0	0
76 Wet Corn Milling	0	0	0	0	0	0
77 Dog, Cat, and Other Pet Food	9	2	2	2	0	0
78 Prepared Feeds, N.E.C	45	33	31	33	18	19
79 Bread, Cake, and Related Products	214	246	242	239	190	214
80 Cookies and Crackers	195	196	201	196	195	229
81 Sugar	0	0	0	0	0	0
82 Confectionery Products	121	97	93	133	47	43
83 Chocolate and Cocoa Products	0	0	0	0	0	0
84 Chewing Gum	0	0	0	0	0	0
85 Salted and Roasted Nuts & Seeds	0	0	0	0	0	0
86 Cottonseed Oil Mills	0	0	0	0	0	0
87 Soybean Oil Mills	0	0	0	0	0	0
88 Vegetable Oil Mills, N.E.C	0	0	0	0	0	0
89 Animal and Marine Fats and Oils	29	34	30	20	17	20
90 Shortening and Cooking Oils	0	0	0	0	0	0
91 Malt Beverages	425	165	148	87	37	20
92 Malt	0	0	0	0	0	0
93 Wines, Brandy, and Brandy Spirits	0	0	0	0	0	0
94 Distilled Liquor, Except Brandy	0	0	0	0	0	0
95 Bottled and Canned Soft Drinks & Water	736	773	767	996	947	1,015
96 Flavoring Extracts and Syrups, N.E.C.	62	54	56	40	13	12
97 Canned and Cured Sea Foods	0	0	0	0	3	4
98 Prepared Fresh Or Frozen Fish Or Seafood	1,429	1,333	1,288	772	811	785
99 Roasted Coffee	38	29	29	29	26	26
100 Potato Chips & Similar Snacks	29	44	43	41	36	41
101 Manufactured Ice	58	56	55	81	53	55
102 Macaroni and Spaghetti	8	6	6	8	8	4
103 Food Preparations, N.E.C	58	92	88	165	122	69
104 Cigarettes	0	0	0	0	0	0
105 Cigars	429	596	913	1,012	1,400	1,271
106 Chewing and Smoking Tobacco	0	0	0	0	0	0
107 Tobacco Stemming and Redrying	0	0	0	0	0	0
108 Broadwoven Fabric Mills and Finishing	7	1	1	5	1	1
109 Narrow Fabric Mills	1	1	1	1	1	1
110 Womens Hosiery, Except Socks	0	0	0	0	0	0
111 Hosiery, N.E.C	0	0	0	0	0	0
112 Knit Outerwear Mills	2	2	2	0	0	0
113 Knit Underwear Mills	0	0	0	0	0	0
114 Knit Fabric Mills	0	0	0	0	0	0
115 Knitting Mills, N.E.C.	0	0	0	0	0	0
116 Yarn Mills and Finishing Of Textiles, N.E.C.	0	0	0	0	0	0
117 Carpets and Rugs	0	1	2	0	0	0
118 Thread Mills	0	0	0	0	0	0
119 Coated Fabrics, Not Rubberized	0	0	0	0	0	0
120 Tire Cord and Fabric	0	0	0	0	0	0
121 Nonwoven Fabrics	0	0	0	0	0	0
122 Cordage and Twine	1	6	6	7	1	1
123 Textile Goods, N.E.C	0	4	5	0	1	1
124 Apparel Made From Purchased Materials	3,148	2,921	2,844	2,879	2,764	2,784
125 Curtains and Draperies	14	17	19	0	0	0
126 Housefurnishings, N.E.C	0	0	0	0	1	6
127 Textile Bags	0	0	0	0	0	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
128 Canvas Products	39	31	33	33	35	42
129 Pleating and Stitching	3	3	3	50	12	28
130 Automotive and Apparel Trimmings	33	24	25	61	63	131
131 Schiffi Machine Embroideries	0	0	0	0	0	3
132 Fabricated Textile Products, N.E.C.	170	164	174	138	125	120
133 Logging Camps and Logging Contractors	1	0	0	0	0	2
134 Sawmills and Planing Mills, General	1	1	1	1	1	1
135 Hardwood Dimension and Flooring Mills	0	0	0	0	0	0
136 Special Product Sawmills, N.E.C	0	0	0	0	0	0
137 Millwork	450	449	461	335	303	342
138 Wood Kitchen Cabinets	198	208	212	210	186	222
139 Veneer and Plywood	0	0	0	0	0	0
140 Structural Wood Members, N.E.C	78	99	104	383	312	309
141 Wood Containers	0	0	0	0	3	3
142 Wood Pallets and Skids	45	45	48	81	79	86
143 Mobile Homes	246	231	227	194	33	24
144 Prefabricated Wood Buildings	0	0	0	0	0	0
145 Wood Preserving	201	267	275	25	108	199
146 Reconstituted Wood Products	10	23	22	5	12	20
147 Wood Products, N.E.C	47	107	105	85	84	74
148 Wood Household Furniture	6	44	49	58	95	13
149 Upholstered Household Furniture	60	40	46	62	80	98
150 Metal Household Furniture	53	41	41	60	82	98
151 Mattresses and Bedspings	97	83	94	114	148	214
152 Wood Tv and Radio Cabinets	0	0	0	0	0	0
153 Household Furniture, N.E.C	0	0	0	0	0	0
154 Wood Office Furniture	17	12	13	20	0	0
155 Metal Office Furniture	147	180	185	218	148	164
156 Public Building Furniture	32	19	22	17	18	34
157 Wood Partitions and Fixtures	112	131	149	106	104	103
158 Metal Partitions and Fixtures	31	47	55	77	74	0
159 Blinds, Shades, and Drapery Hardware	235	232	262	211	215	206
160 Furniture and Fixtures, N.E.C	0	4	5	6	6	0
161 Pulp Mills	0	0	0	0	0	0
162 Paper Mills, Except Building Paper	0	0	0	0	5	0
163 Paperboard Mills	0	0	0	0	0	0
164 Paperboard Containers and Boxes	600	618	624	662	621	664
165 Paper Coated & Laminated Packaging	0	0	0	0	0	0
166 Paper Coated & Laminated N.E.C.	0	0	0	0	0	0
167 Bags, Plastic	186	204	214	211	153	167
168 Bags, Paper	74	65	67	36	53	57
169 Die-cut Paper and Board	0	0	0	0	3	3
170 Sanitary Paper Products	0	0	0	0	0	3
171 Envelopes	43	59	61	79	76	91
172 Stationery Products	0	0	0	0	0	0
173 Converted Paper Products, N.E.C	57	87	88	124	134	107
174 Newspapers	3,819	3,516	3,544	3,013	2,740	2,663
175 Periodicals	2,108	2,281	2,361	2,387	2,802	2,891
176 Book Publishing	60	55	57	67	78	129
177 Book Printing	0	0	0	0	0	6
178 Miscellaneous Publishing	477	432	451	440	523	545
179 Commercial Printing	1,524	1,624	1,654	1,700	1,722	1,668
180 Manifold Business Forms	19	19	19	14	65	59
181 Greeting Card Publishing	0	0	0	0	0	0
182 Blankbooks and Looseleaf Binder	24	27	26	25	23	22
183 Bookbinding & Related	3	1	1	1	1	1
184 Typesetting	272	277	261	330	328	338
185 Plate Making	88	92	91	113	109	92
186 Alkalies & Chlorine	0	0	0	0	0	0
187 Industrial Gases	5	4	4	12	10	9
188 Inorganic Pigments	18	14	14	48	19	36
189 Inorganic Chemicals Nec.	78	22	23	22	19	33
190 Cyclic Crudes, Interm. & Indus. Organic Chem.	1	1	1	3	2	0
191 Plastics Materials and Resins	5	4	4	12	9	0
192 Synthetic Rubber	46	0	0	0	0	0
193 Cellulosic Man-made Fibers	0	0	0	0	0	0
194 Organic Fibers, Noncellulosic	15	3	2	0	0	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
195 Drugs	36	43	50	26	41	53
196 Soap and Other Detergents	19	17	19	15	11	9
197 Polishes and Sanitation Goods	169	145	151	152	152	158
198 Surface Active Agents	0	0	0	0	0	0
199 Toilet Preparations	126	108	126	181	118	119
200 Paints and Allied Products	146	128	138	137	78	68
201 Gum and Wood Chemicals	0	0	0	0	0	0
202 Nitrogenous and Phosphatic Fertilizers	1,220	1,277	1,339	1,336	1,515	1,591
203 Fertilizers, Mixing Only	72	91	95	86	82	91
204 Agricultural Chemicals, N.E.C	13	7	8	5	5	5
205 Adhesives and Sealants	6	26	29	62	28	2
206 Explosives	0	0	0	0	0	0
207 Printing Ink	31	53	61	37	26	32
208 Carbon Black	0	0	0	0	0	0
209 Chemical Preparations, N.E.C	72	28	31	105	40	4
210 Petroleum Refining	6	0	0	0	1	2
211 Paving Mixtures and Blocks	114	71	138	165	228	252
212 Asphalt Felts and Coatings	123	151	248	204	332	151
213 Lubricating Oils and Greases	153	197	263	104	120	102
214 Petroleum and Coal Products, N.E.C.	0	0	0	0	0	0
215 Tires and Inner Tubes	0	0	0	0	0	0
216 Rubber and Plastics Footwear	0	0	0	0	0	0
217 Rubber and Plastics Hose and Belting	0	0	0	0	0	1
218 Gaskets, Packing and Sealing Devices	54	20	20	10	1	1
219 Fabricated Rubber Products, N.E.C.	173	191	188	216	184	141
220 Miscellaneous Plastics Products	812	861	870	1,040	1,006	718
221 Leather Tanning and Finishing	0	0	0	0	0	0
222 Footwear Cut Stock	0	0	0	0	0	0
223 House Slippers	0	0	0	0	0	0
224 Shoes, Except Rubber	18	8	7	0	0	0
225 Leather Gloves and Mittens	0	0	0	0	0	0
226 Luggage	1	1	1	1	4	3
227 Womens Handbags and Purses	0	0	0	0	0	0
228 Personal Leather Goods	0	0	0	0	0	0
229 Leather Goods, N.E.C	3	6	5	11	11	9
230 Glass and Glass Products, Exc Containers	127	100	118	248	219	213
231 Glass Containers	0	0	0	0	4	91
232 Cement, Hydraulic	45	35	42	127	101	116
233 Brick and Structural Clay Tile	52	49	49	54	50	71
234 Ceramic Wall and Floor Tile	46	0	0	0	0	0
235 Clay Refractories	1	2	2	2	0	0
236 Structural Clay Products, N.E.C	6	27	28	0	0	0
237 Vitreous Plumbing Fixtures	0	0	0	0	0	0
238 Vitreous China Food Utensils	0	0	0	0	0	0
239 Fine Earthenware Food Utensils	3	2	3	5	4	2
240 Porcelain Electrical Supplies	0	0	0	0	0	0
241 Pottery Products, N.E.C	0	0	0	0	3	1
242 Concrete Block and Brick	255	274	329	324	319	377
243 Concrete Products, N.E.C	663	656	782	819	991	1,043
244 Ready-mixed Concrete	299	294	349	376	349	361
245 Lime	0	0	0	0	0	0
246 Gypsum Products	335	414	465	557	700	688
247 Cut Stone and Stone Products	11	9	11	22	25	31
248 Abrasive Products	2	1	1	0	1	7
249 Asbestos Products	0	0	0	0	0	0
250 Minerals, Ground Or Treated	92	91	110	95	15	7
251 Mineral Wool	3	5	7	10	38	38
252 Nonclay Refractories	0	0	0	0	0	0
253 Nonmetallic Mineral Products, N.E.C.	11	15	19	22	0	2
254 Blast Furnaces and Steel Mills	271	109	108	228	119	121
255 Electrometallurgical Products	0	0	0	0	0	0
256 Steel Wire and Related Products	123	121	126	63	45	38
257 Cold Finishing Of Steel Shapes	0	0	0	0	3	3
258 Steel Pipe and Tubes	0	0	0	0	0	0
259 Iron and Steel Foundries	121	86	94	157	170	167
260 Primary Copper	0	0	0	0	0	0
261 Primary Aluminum	0	0	0	0	0	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
262 Primary Nonferrous Metals, N.E.C.	0	0	0	0	0	0
263 Secondary Nonferrous Metals	61	83	87	125	102	202
264 Copper Rolling and Drawing	0	0	0	0	0	0
265 Aluminum Rolling and Drawing	518	509	542	517	522	456
266 Nonferrous Rolling and Drawing, N.E.C.	4	7	8	8	9	12
267 Nonferrous Wire Drawing and Insulating	0	0	0	0	0	0
268 Aluminum Foundries	66	53	57	57	62	49
269 Brass, Bronze, and Copper Foundries	0	0	0	0	0	0
270 Nonferrous Castings, N.E.C.	75	56	60	133	45	52
271 Metal Heat Treating	44	16	18	19	27	21
272 Primary Metal Products, N.E.C.	0	0	0	0	0	0
273 Metal Cans	395	422	399	304	392	328
274 Metal Barrels, Drums and Pails	0	0	0	0	0	0
275 Cutlery	0	0	0	0	0	0
276 Hand and Edge Tools, N.E.C.	0	0	0	0	0	0
277 Hand Saws and Saw Blades	52	91	94	50	0	0
278 Hardware, N.E.C.	4	5	4	4	70	53
279 Metal Sanitary Ware	0	0	0	0	0	0
280 Plumbing Fixture Fittings and Trim	0	110	104	108	108	76
281 Heating Equipment, Except Electric	0	0	0	0	0	0
282 Fabricated Structural Metal	260	323	320	297	306	423
283 Metal Doors, Sash, and Trim	460	465	459	552	715	697
284 Fabricated Plate Work (Boiler Shops)	508	494	475	557	260	203
285 Sheet Metal Work	334	321	319	248	221	257
286 Architectural Metal Work	56	40	39	71	87	80
287 Prefabricated Metal Buildings	41	47	47	145	144	137
288 Miscellaneous Metal Work	44	43	35	46	52	40
289 Screw Machine Products and Bolts, Etc.	67	0	0	0	0	0
290 Iron and Steel Forgings	136	84	80	42	50	48
291 Nonferrous Forgings	0	0	0	0	0	0
292 Automotive Stampings	0	0	0	0	0	0
293 Crowns and Closures	0	0	0	0	0	0
294 Metal Stampings, N.E.C.	196	222	222	198	180	135
295 Plating and Polishing	62	60	58	62	57	54
296 Metal Coating and Allied Services	39	39	36	27	19	24
297 Small Arms Ammunition	0	0	0	0	0	0
298 Ammunition, Except For Small Arms, N.E.C.	0	0	0	0	53	41
299 Small Arms	0	0	0	0	0	0
300 Other Ordnance and Accessories	106	113	92	0	0	0
301 Industrial and Fluid Valves	407	338	336	242	155	339
302 Steel Springs, Except Wire	0	0	0	0	0	0
303 Pipe, Valves, and Pipe Fittings	8	42	36	59	173	45
304 Miscellaneous Fabricated Wire Products	306	277	272	236	271	274
305 Metal Foil and Leaf	0	0	0	0	0	0
306 Fabricated Metal Products, N.E.C.	71	93	89	100	108	122
307 Steam Engines and Turbines	0	0	0	0	1	3
308 Internal Combustion Engines, N.E.C.	0	0	0	0	0	4
309 Farm Machinery and Equipment	60	64	63	69	103	84
310 Lawn and Garden Equipment	2	2	2	3	5	0
311 Construction Machinery and Equipment	0	0	0	0	5	3
312 Mining Machinery, Except Oil Field	0	0	0	0	0	0
313 Oil Field Machinery	0	0	0	0	0	0
314 Elevators and Moving Stairways	0	0	0	0	0	0
315 Conveyors and Conveying Equipment	4	0	0	0	0	0
316 Hoists, Cranes, and Monorails	0	0	0	0	0	0
317 Industrial Trucks and Tractors	7	9	8	14	19	22
318 Machine Tools, Metal Cutting Types	2	18	19	15	19	24
319 Machine Tools, Metal Forming Types	3	0	0	0	0	0
320 Industrial Patterns	0	0	0	0	0	0
321 Special Dies and Tools and Accessories	21	23	22	19	9	38
322 Power Driven Hand Tools	0	0	0	0	11	7
323 Rolling Mill Machinery	0	0	0	0	11	0
324 Welding Apparatus	0	0	0	0	0	0
325 Metalworking Machinery, N.E.C.	0	1	1	1	4	4
326 Textile Machinery	0	0	0	0	2	4
327 Woodworking Machinery	1	0	0	0	3	5
328 Paper Industries Machinery	0	0	0	0	0	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
329 Printing Trades Machinery	6	4	3	18	17	21
330 Food Products Machinery	20	25	25	24	20	19
331 Special Industry Machinery N.E.C.	159	178	177	216	185	259
332 Pumps and Compressors	69	52	49	47	65	74
333 Ball and Roller Bearings	4	4	4	28	14	15
334 Blowers and Fans	46	36	35	40	43	43
335 Packaging Machinery	80	139	142	168	175	155
336 Power Transmission Equipment	6	6	6	8	13	15
337 Industrial Furnaces and Ovens	0	0	0	0	4	5
338 General Industrial Machinery, N.E.C.	36	15	15	8	7	28
339 Electronic Computers	0	16	16	5	6	5
340 Computer Storage Devices	74	31	32	59	0	0
341 Computer Terminals	0	27	26	50	10	6
342 Computer Peripheral Equipment,	56	30	30	27	5	0
343 Calculating and Accounting Machines	0	0	0	0	0	0
344 Typewriters and Office Machines N.E.C.	0	42	42	54	7	8
345 Automatic Merchandising Machine	0	0	0	0	0	0
346 Commercial Laundry Equipment	113	97	100	82	193	166
347 Refrigeration and Heating Equipment	57	54	48	46	49	46
348 Measuring and Dispensing Pumps	0	0	0	0	0	0
349 Service Industry Machines, N.E.C.	305	297	287	178	241	371
350 Carburetors, Pistons, Rings, Valves	0	0	0	0	0	0
351 Fluid Power Cylinders & Actuators	16	17	16	21	19	25
352 Fluid Power Pumps & Motors	0	0	0	0	0	0
353 Scales and Balances	0	0	0	0	0	0
354 Industrial Machines N.E.C.	291	342	348	282	269	351
355 Transformers	12	55	54	45	39	22
356 Switchgear and Switchboard Apparatus	80	15	15	21	15	12
357 Motors and Generators	0	0	0	0	0	0
358 Carbon and Graphite Products	0	0	0	0	0	0
359 Relays & Industrial Controls	41	42	43	43	39	41
360 Electrical Industrial Apparatus, N.E.C.	0	0	0	0	0	0
361 Household Cooking Equipment	0	0	0	0	1	0
362 Household Refrigerators and Freezers	6	15	14	19	0	0
363 Household Laundry Equipment	0	0	0	0	0	0
364 Electric Housewares and Fans	0	0	0	0	34	9
365 Household Vacuum Cleaners	0	0	0	0	0	0
366 Household Appliances, N.E.C.	0	6	6	10	4	3
367 Electric Lamps	0	0	0	0	0	0
368 Wiring Devices	0	40	40	42	109	175
369 Lighting Fixtures and Equipment	151	189	201	179	462	530
370 Radio and TV Receiving Sets	0	4	4	8	9	7
371 Phonograph Records and Tape	0	0	0	0	0	0
372 Telephone and Telegraph Apparatus	253	367	359	432	203	223
373 Radio and Tv Communication Equipment	665	1,002	1,047	610	540	519
374 Communications Equipment N.E.C.	101	80	78	59	59	33
375 Electron Tubes	0	0	0	0	1	1
376 Printed Circuit Boards	711	498	477	608	559	704
377 Semiconductors and Related Devices	0	9	9	9	10	8
378 Electronic Components, N.E.C.	348	319	323	358	403	360
379 Storage Batteries	289	239	245	179	209	195
380 Primary Batteries, Dry and Wet	0	0	0	0	0	0
381 Engine Electrical Equipment	0	0	0	0	0	0
382 Magnetic & Optical Recording Media	0	0	0	0	0	0
383 Electrical Equipment, N.E.C.	427	523	496	408	412	462
384 Motor Vehicles	0	149	165	0	0	0
385 Truck and Bus Bodies	26	20	23	25	67	65
386 Motor Vehicle Parts and Accessories	378	378	413	543	485	520
387 Truck Trailers	63	7	8	8	13	19
388 Motor Homes	0	0	0	0	0	0
389 Aircraft	0	0	0	0	3	3
390 Aircraft and Missile Engines and Parts	148	174	187	143	103	89
391 Aircraft and Missile Equipment,	13	6	6	39	24	24
392 Ship Building and Repairing	614	672	690	1,113	924	910
393 Boat Building and Repairing	51	39	41	60	53	64
394 Railroad Equipment	0	0	0	0	0	0
395 Motorcycles, Bicycles, and Parts	0	0	0	0	0	0

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
396 Complete Guided Missiles	5	2	2	5	5	0
397 Travel Trailers and Camper	0	0	0	0	0	0
398 Tanks and Tank Components	0	0	0	0	0	0
399 Transportation Equipment, N.E.C	0	7	7	29	31	66
400 Search & Navigation Equipment	8	0	0	0	19	15
401 Laboratory Apparatus & Furniture	0	0	0	0	0	0
402 Automatic Temperature Controls	20	0	0	0	0	0
403 Mechanical Measuring Devices	45	1	1	1	6	8
404 Instruments To Measure Electricity	44	41	52	46	90	47
405 Analytical Instruments	0	0	0	0	0	0
406 Optical Instruments & Lenses	0	0	0	0	0	0
407 Surgical and Medical Instrument	276	234	302	268	328	222
408 Surgical Appliances and Supplies	17	22	27	92	180	227
409 Dental Equipment and Supplies	4	5	6	21	0	0
410 X-Ray Apparatus	0	0	0	0	1	2
411 Electromedical Apparatus	23	23	29	83	20	25
412 Ophthalmic Goods	129	134	158	130	134	135
413 Photographic Equipment and Supplies	0	0	0	0	3	1
414 Watches, Clocks, and Parts	0	0	0	0	0	0
415 Jewelry, Precious Metal	45	4	4	3	3	0
416 Silverware and Plated Ware	0	0	0	0	0	0
417 Jewelers Materials and Lapidary Work	2	2	2	2	3	5
418 Musical Instruments	0	0	0	0	0	9
419 Dolls	1	5	4	3	6	2
420 Games, Toys, and Childrens Vehicles	1	4	3	3	2	2
421 Sporting and Athletic Goods, N.E.C.	72	65	58	80	81	100
422 Pens and Mechanical Pencils	0	0	0	0	0	0
423 Lead Pencils and Art Goods	0	0	0	0	3	2
424 Marking Devices	9	43	37	62	81	35
425 Carbon Paper and Inked Ribbons	0	0	0	0	0	0
426 Costume Jewellery	0	0	0	0	2	2
427 Fasteners, Buttons, Needles, Pins	0	0	0	0	0	0
428 Brooms and Brushes	99	82	76	80	88	110
429 Signs and Advertising Displays	321	291	264	312	338	431
430 Burial Caskets and Vaults	41	15	16	0	0	0
431 Hard Surface Floor Coverings	0	0	0	0	0	0
432 Manufacturing Industries, N.E.C.	77	212	205	215	223	296
433 Railroads and Related Services	819	740	707	665	790	717
434 Local, Interurban Passenger Transit	597	624	495	382	515	577
435 Motor Freight Transport and Warehousing	8,366	7,907	8,290	9,871	9,304	9,423
436 Water Transportation	1,803	1,693	1,864	1,780	1,395	2,283
437 Air Transportation	5,245	5,933	5,852	6,287	6,917	7,151
438 Pipe Lines, Except Natural Gas	54	55	45	17	14	6
439 Arrangement Of Passenger Transportation	1,232	1,153	1,158	1,043	1,125	1,139
440 Transportation Services	909	748	768	1,080	1,160	1,239
441 Communications, Except Radio and TV	5,486	6,110	7,312	7,285	8,598	9,433
442 Radio and TV Broadcasting	1,052	1,094	1,236	1,339	1,174	1,213
443 Electric Services	2,489	2,215	2,424	2,468	2,913	2,595
444 Gas Production and Distribution	316	282	265	287	272	254
445 Water Supply and Sewerage Systems	8	9	11	6	10	9
446 Sanitary Services and Steam Supply	537	686	787	641	621	599
447 Wholesale Trade	38,307	37,465	39,482	40,012	39,558	40,937
448 Building Materials & Gardening	3,302	3,366	3,526	4,108	4,134	3,514
449 General Merchandise Stores	9,957	10,381	10,319	8,971	9,437	9,849
450 Food Stores	15,726	15,790	14,543	15,690	15,395	16,619
451 Automotive Dealers & Service Stations	8,815	9,231	9,459	9,699	10,037	10,149
452 Apparel & Accessory Stores	3,377	3,254	3,252	3,306	3,610	3,871
453 Furniture & Home Furnishings Stores	4,838	4,962	4,920	4,952	5,030	5,002
454 Eating & Drinking	31,419	34,235	32,661	32,566	34,141	32,997
455 Miscellaneous Retail	19,771	21,925	22,892	24,004	23,323	23,950
456 Banking	6,441	7,470	8,185	10,613	9,134	8,779
457 Credit Agencies	10,387	8,847	9,947	11,438	15,036	17,114
458 Security and Commodity Brokers	2,610	2,910	2,739	2,963	2,647	2,470
459 Insurance Carriers	11,250	12,358	12,964	14,534	15,066	14,155
460 Insurance Agents and Brokers	7,695	8,107	8,056	8,659	7,753	7,601
461 Owner-occupied Dwellings	0	0	0	0	0	0
462 Real Estate	11,784	12,801	12,746	12,979	14,242	14,266

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
463 Hotels and Lodging Places	6,586	6,900	6,284	6,529	6,745	7,408
464 Laundry, Cleaning and Shoe Repair	3,084	3,131	3,443	3,601	3,926	4,195
465 Portrait and Photographic Studios	382	439	456	582	620	461
466 Beauty and Barber Shops	3,006	3,293	3,618	3,486	3,447	3,424
467 Funeral Service and Crematories	1,066	1,015	1,124	1,210	1,205	795
468 Miscellaneous Personal Services	1,405	1,489	1,645	2,471	2,599	3,247
469 Advertising	1,185	1,296	1,452	1,406	1,022	1,012
470 Other Business Services	4,546	6,937	7,839	8,883	7,534	6,768
471 Photofinishing, Commercial Photography	1,315	1,405	1,530	856	1,006	1,061
472 Services To Buildings	4,006	4,425	4,798	4,537	4,147	5,089
473 Equipment Rental and Leasing	1,166	1,434	1,593	1,550	1,626	1,679
474 Personnel Supply Services	68,606	68,802	80,087	95,163	114,998	125,593
475 Computer and Data Processing Services	8,387	10,642	12,695	12,808	13,402	13,308
476 Detective and Protective Services	3,988	4,836	5,311	4,718	5,376	5,141
477 Automobile Rental and Leasing	2,641	2,887	2,709	2,744	2,771	3,061
478 Automobile Parking and Car Wash	646	628	596	648	683	687
479 Automobile Repair and Services	3,434	3,658	3,521	3,695	3,903	3,914
480 Electrical Repair Service	1,159	1,196	1,059	1,207	1,092	1,098
481 Watch, Clock, Jewelry and Furniture Repair	141	142	126	148	167	143
482 Miscellaneous Repair Shops	2,296	2,422	2,160	2,256	2,673	2,150
483 Motion Pictures	1,105	1,366	2,586	2,803	3,429	2,296
484 Theatrical Producers, Bands Etc.	427	475	530	771	879	782
485 Bowling Alleys and Pool Halls	213	169	172	197	195	206
486 Commercial Sports Except Racing	801	1,001	1,073	1,814	2,096	1,687
487 Racing and Track Operation	185	177	182	323	331	302
488 Amusement and Recreation Services, N.E.C.	6,636	6,798	7,259	9,364	10,174	11,064
489 Membership Sports and Recreation Clubs	1,998	2,046	2,167	2,454	2,628	2,487
490 Doctors and Dentists	12,675	13,337	13,219	13,612	13,860	14,191
491 Nursing and Protective Care	3,494	3,897	3,745	3,779	4,050	4,393
492 Hospitals	16,412	14,969	14,418	14,999	18,491	17,390
493 Other Medical and Health Services	6,391	6,927	6,953	7,630	7,758	8,269
494 Legal Services	7,025	7,384	7,851	8,163	8,855	9,575
495 Elementary and Secondary Schools	1,780	1,836	1,923	2,135	2,169	2,239
496 Colleges, Universities, Schools	1,540	1,508	1,575	1,727	2,195	2,585
497 Other Educational Services	1,337	1,529	1,603	1,866	2,045	1,980
498 Job Trainings & Related Services	568	547	578	664	666	762
499 Child Day Care Services	2,350	2,513	2,650	2,689	2,884	2,819
500 Social Services, N.E.C.	2,712	2,957	3,059	2,985	3,187	3,790
501 Residential Care	2,639	2,804	2,976	3,009	2,954	2,479
502 Other Nonprofit Organizations	2,959	2,543	2,602	2,679	3,481	3,752
503 Business Associations	1,135	1,167	1,180	1,194	1,485	2,045
504 Labor and Civic Organizations	3,010	3,243	3,359	2,940	3,473	3,445
505 Religious Organizations	699	839	935	1,605	1,390	1,095
506 Engineering, Architectural Services	7,859	7,779	8,314	8,503	9,590	10,141
507 Accounting, Auditing and Bookkeeping	6,862	7,016	7,289	6,890	8,118	9,716
508 Management and Consulting Services	6,079	6,658	7,401	8,307	9,912	10,387
509 Research, Development & Testing Services	2,046	1,925	2,014	1,996	2,134	2,518
510 Local Government Passenger Transit	497	484	257	237	241	245
511 State and Local Electric Utilities	0	0	0	0	0	0
512 Other State and Local Govt Enterprises	1,928	1,878	1,857	1,712	1,737	1,767
513 U.S. Postal Service	4,460	4,700	4,740	4,769	4,760	4,688
514 Federal Electric Utilities	0	0	0	0	0	0
515 Other Federal Government Enterprises	503	510	599	603	602	593
516 Noncomparable Imports	0	0	0	0	0	0
517 Scrap	0	0	0	0	0	0
518 Used and Secondhand Goods	0	0	0	0	0	0
519 Federal Government - Military	7,553	7,197	7,673	7,671	7,474	7,315
520 Federal Government - Non-Military	6,082	8,442	8,510	8,751	8,734	9,088
521 Commodity Credit Corporation	0	0	0	0	0	0
522 State & Local Government - Education	25,923	25,823	32,840	30,808	30,533	31,469
523 State & Local Government - Non-Education	26,923	26,570	20,876	23,686	23,296	23,820
524 Rest Of The World Industry	0	0	0	0	0	0
525 Domestic Services	4,576	4,745	4,668	4,841	4,899	4,709
526 Dummy	0	0	0	0	0	0
527 Dummy	0	0	0	0	0	0
528 Inventory Valuation Adjustment	0	0	0	0	0	0
Totals	600,171	620,101	649,449	688,993	730,251	755,599

Output

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
1 Dairy Farm Products	16.377	19.627	11.744	12.886	17.432	17.873
2 Poultry and Eggs	20.865	24.016	21.852	22.684	21.913	20.779
3 Ranch Fed Cattle	9.986	7.584	9.586	8.981	9.509	11.679
4 Range Fed Cattle	1.753	1.403	1.953	1.763	1.866	2.718
5 Cattle Feedlots	1.117	0.909	0.394	0.351	0.356	0.439
6 Sheep, Lambs and Goats	0.039	0.044	0.017	0.016	0.022	0.028
7 Hogs, Pigs and Swine	0.723	0.961	1.019	0.501	0.496	0.61
8 Other Meat Animal Products	0.031	0	0	0	0	0
9 Miscellaneous Livestock	40.427	47.156	55.384	57.676	53.1	51.172
10 Cotton	0	0	0	0	0	0
11 Food Grains	0	0	0	0	0	0
12 Feed Grains	0	0	0.018	0.02	0.036	0.032
13 Hay and Pasture	1.299	1.421	2.602	2.648	3.837	4.018
14 Grass Seeds	0.511	0.595	0.507	0.445	0.847	0.815
15 Tobacco	0	0	0	0	0	0
16 Fruits	105.542	121.732	73.329	79.266	83.722	82.135
17 Tree Nuts	0	0	0	0	0.11	0.135
18 Vegetables	54.576	59.429	68.383	69.05	81.633	89.353
19 Sugar Crops	0	0	0	0	0	0
20 Miscellaneous Crops	0.798	0.798	0	0	1.814	1.859
21 Oil Bearing Crops	0	0	0.016	0.013	0.027	0.021
22 Forest Products	0.686	0.685	1.034	0.895	1.355	1.279
23 Greenhouse and Nursery Products	72.996	88.046	96.334	87.738	131.706	144.615
24 Forestry Products	12.693	0.638	0.765	0.441	9.836	5.125
25 Commercial Fishing	21.271	18.368	22.655	9.373	5.098	3.033
26 Agricultural, Forestry, Fishery Services	61.945	56.782	70.848	67.469	47.491	48.261
27 Landscape and Horticultural Services	54.472	53.976	60.137	112.689	110.605	128.192
28 Iron Ores	0	0	0	0	0	0
29 Copper Ores	0	0	0	0	0	0
30 Lead and Zinc Ores	0	0	0	0	0	0
31 Gold Ores	0	0	0	0	0	0
32 Silver Ores	0	0	0	0	0	0
33 Ferroalloy Ores, Except Vanadium	0	0	0	0	0	0
34 Metal Mining Services	0	0	0	0	0	0.393
35 Uranium-radium-vanadium Ores	0	0	0	0	0	0
36 Metal Ores, Not Elsewhere Classified	0	0	0.239	0	0	0
37 Coal Mining	0	0	0	0	0	0
38 Natural Gas & Crude Petroleum	0	0	0	0	0	12.975
39 Natural Gas Liquids	0	0	0	0	0	0
40 Dimension Stone	0	0.557	0.598	0	0.116	1.455
41 Sand and Gravel	0	0.259	0.299	1.951	0.657	7.595
42 Clay, Ceramic, Refractory Minerals, N.E.C.	0	0	0	0	0	0
43 Potash, Soda, and Borate Minerals	0	0	0	0	0	0
44 Phosphate Rock	0	0	0	0	0.648	4.87
45 Chemical, Fertilizer Mineral Mining, N.E.C.	0	0	0	0	0.277	0
46 Nonmetallic Minerals (Except Fuels) Service	0	0	0	0	0	0
47 Misc. Nonmetallic Minerals, N.E.C.	1.427	0.051	0.067	0.381	0.117	1.298
48 New Residential Structures	1,010.76	1,131.99	1,195.98	1,857.10	1,870.85	2,298.70
49 New Industrial and Commercial Buildings	458.426	499.561	571.377	635.253	568.185	618.497
50 New Utility Structures	108.529	117.172	114.031	141.785	119.105	146.698
51 New Highways and Streets	151.535	161.408	173.354	173.812	171.29	177.818
52 New Farm Structures	0	0	0	0	0	0
53 New Mineral Extraction Facilities	0	0	0	0	0	0
54 New Government Facilities	481.12	494.947	499.272	711.479	663.209	705.514
55 Maintenance and Repair, Residential	307.796	322.512	331.603	339.413	553.295	583.854
56 Maintenance and Repair Other Facilities	510.713	535.301	542.192	556.416	495.955	484.461
57 Maintenance and Repair Oil and Gas Wells	0.186	7.832	6.496	5.594	2.452	1.774
58 Meat Packing Plants	324.332	225.596	215.319	245.414	228.373	269.773
59 Sausages and Other Prepared Meats	1.183	0	0	0	0	0
60 Poultry Processing	0	2.962	2.967	3.218	3.095	0
61 Creamery Butter	0	0	0	0	0	0
62 Cheese, Natural and Processed	0	0	0	0	0	0
63 Condensed and Evaporated Milk	0.362	0.213	0.343	0	0	0

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
64 Ice Cream and Frozen Desserts	0	0	0	0	0.204	0.478
65 Fluid Milk	37.071	38.236	38.427	44.818	13.885	16.979
66 Canned Specialties	2.867	1.561	1.531	0.811	1.238	0
67 Canned Fruits and Vegetables	11.726	8.146	8.529	4.099	9.263	6.742
68 Dehydrated Food Products	0.668	1.4	1.405	0.859	0.649	0.656
69 Pickles, Sauces, and Salad Dressings	0.82	0.868	0.851	0.925	0	0
70 Frozen Fruits, Juices and Vegetables	0	0	0	0	0	0
71 Frozen Specialties	38.372	33.242	30.539	23.492	25.013	23.296
72 Flour and Other Grain Mill Products	18.926	3.06	3.029	2.585	2.215	3.991
73 Cereal Preparations	0	0	0	0	0	0
74 Rice Milling	0	0	0	0	0	0
75 Blended and Prepared Flour	0	0	0	0	0	0
76 Wet Corn Milling	0	0	0	0	0	0
77 Dog, Cat, and Other Pet Food	3.714	0.935	0.905	0.983	0	0
78 Prepared Feeds, N.E.C	16.984	14.395	14.248	15.304	7.395	7.978
79 Bread, Cake, and Related Products	28.141	30.1	30.287	34.38	37.922	45.993
80 Cookies and Crackers	27.915	28.584	30.833	32.362	37.836	41.422
81 Sugar	0	0	0	0	0	0
82 Confectionery Products	23.592	17.827	21.082	28.273	10.695	10.579
83 Chocolate and Cocoa Products	0	0	0	0	0	0
84 Chewing Gum	0	0	0	0	0	0
85 Salted and Roasted Nuts & Seeds	0	0	0	0	0	0
86 Cottonseed Oil Mills	0	0	0	0	0	0
87 Soybean Oil Mills	0	0	0	0	0	0
88 Vegetable Oil Mills, N.E.C	0	0	0	0	0	0
89 Animal and Marine Fats and Oils	6.598	8.758	7.732	5.712	4.662	5.702
90 Shortening and Cooking Oils	0	0	0	0	0	0
91 Malt Beverages	261.956	127.204	108.331	41.448	28.362	13.786
92 Malt	0	0	0	0	0	0
93 Wines, Brandy, and Brandy Spirits	0	0	0	0	0	0
94 Distilled Liquor, Except Brandy	0	0	0	0	0	0
95 Bottled and Canned Soft Drinks & Water	239.258	261.101	262.346	330.732	361.205	400.858
96 Flavoring Extracts and Syrups, N.E.C.	14.665	17.241	16.577	7.202	3.075	3.057
97 Canned and Cured Sea Foods	0	0	0	0	0.499	0.518
98 Prepared Fresh Or Frozen Fish Or Seafood	214.212	195.483	193.816	117.379	142.839	145.739
99 Roasted Coffee	21.845	16.65	15.946	19.959	20.721	18.687
100 Potato Chips & Similar Snacks	6.487	10.912	11.253	12.266	12.869	15.318
101 Manufactured Ice	3.059	2.932	3.138	4.45	2.752	3.061
102 Macaroni and Spaghetti	1.502	0.921	0.93	1.365	1.198	0.559
103 Food Preparations, N.E.C	10.815	16.073	15.815	28.453	23.432	12.081
104 Cigarettes	0	0	0	0	0	0
105 Cigars	63.391	87.065	125.809	720.267	910.234	1,041.86
106 Chewing and Smoking Tobacco	0	0	0	0	0	0
107 Tobacco Stemming and Redrying	0	0	0	0	0	0
108 Broadwoven Fabric Mills and Finishing	0.651	0.092	0.099	0.496	0.157	0.153
109 Narrow Fabric Mills	0.049	0.121	0.14	0.094	0.045	0.041
110 Womens Hosiery, Except Socks	0	0	0	0	0	0
111 Hosiery, N.E.C	0	0	0	0	0	0
112 Knit Outerwear Mills	0.114	0.22	0.231	0	0	0
113 Knit Underwear Mills	0	0	0	0	0	0
114 Knit Fabric Mills	0	0	0	0	0	0
115 Knitting Mills, N.E.C.	0	0	0	0	0	0
116 Yarn Mills and Finishing Of Textiles, N.E.C.	0	0	0	0	0	0
117 Carpets and Rugs	0	0.276	0.29	0	0	0
118 Thread Mills	0	0	0	0	0	0
119 Coated Fabrics, Not Rubberized	0	0	0	0	0	0
120 Tire Cord and Fabric	0	0	0	0	0	0
121 Nonwoven Fabrics	0	0	0	0	0	0
122 Cordage and Twine	0.119	0.754	0.863	0.769	0.112	0.102
123 Textile Goods, N.E.C	0	0.624	0.665	0	0.119	0.158
124 Apparel Made From Purchased Materials	240.936	247.418	256.275	274.168	267.798	280.101
125 Curtains and Draperies	0.763	0.89	0.939	0	0	0
126 Housefurnishings, N.E.C	0	0	0	0	0.125	0.781
127 Textile Bags	0	0	0	0	0	0
128 Canvas Products	2.927	2.03	2.111	2.232	1.998	2.476
129 Pleating and Stitching	0.07	0.074	0.11	2.727	0.536	1.188
130 Automotive and Apparel Trimmings	3.418	2.687	2.946	8.881	8.505	18.26

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
131 Schiffl Machine Embroideries	0	0	0	0	0	0.351
132 Fabricated Textile Products, N.E.C.	18.578	20.403	20.384	17.344	16.31	14.459
133 Logging Camps and Logging Contractors	0.167	0	0	0	0	0.265
134 Sawmills and Planing Mills, General	0.15	0.147	0.149	0.141	0.132	0.123
135 Hardwood Dimension and Flooring Mills	0	0	0	0	0	0
136 Special Product Sawmills, N.E.C	0	0	0	0	0	0
137 Millwork	36.202	37.238	38.651	27.783	24.579	32.489
138 Wood Kitchen Cabinets	12.706	13.55	14.06	16.952	13.006	16.36
139 Veneer and Plywood	0	0	0	0	0	0
140 Structural Wood Members, N.E.C	7.016	9.167	9.922	43.815	33.846	31.671
141 Wood Containers	0	0	0	0	0.172	0.213
142 Wood Pallets and Skids	2.93	3.097	3.221	6.505	5.042	5.797
143 Mobile Homes	24.549	23.929	23.028	23.431	3.327	2.81
144 Prefabricated Wood Buildings	0	0	0	0	0	0
145 Wood Preserving	52.782	71.461	74.706	8.297	34.932	64.139
146 Reconstituted Wood Products	2.193	5.041	5.039	1.18	2.79	6.197
147 Wood Products, N.E.C	3.014	8.568	8.892	7.774	8.008	6.862
148 Wood Household Furniture	0.331	4.063	4.73	5.957	8.006	1.044
149 Upholstered Household Furniture	4.722	3.719	4.333	6.145	6.417	8.172
150 Metal Household Furniture	4.618	4.086	4.692	8.184	10.009	12.357
151 Mattresses and Bedsprings	10.361	9.797	11.744	15.328	17.65	27.507
152 Wood Tv and Radio Cabinets	0	0	0	0	0	0
153 Household Furniture, N.E.C	0	0	0	0	0	0
154 Wood Office Furniture	1.084	0.809	0.994	1.71	0	0
155 Metal Office Furniture	23.881	34.347	38.08	43.661	26.062	28.077
156 Public Building Furniture	4.507	3.239	4.132	3.782	3.106	7.055
157 Wood Partitions and Fixtures	7.211	8.942	10.597	10.705	9.6	9.902
158 Metal Partitions and Fixtures	3.469	5.844	7.374	12.382	9.453	0
159 Blinds, Shades, and Drapery Hardware	20.092	19.159	23.176	21.815	18.742	14.912
160 Furniture and Fixtures, N.E.C	0	0.716	0.936	0.952	1.01	0
161 Pulp Mills	0	0	0	0	0	0
162 Paper Mills, Except Building Paper	0	0	0	0	1.107	0
163 Paperboard Mills	0	0	0	0	0	0
164 Paperboard Containers and Boxes	111.332	110.696	112.292	132.956	122.817	142.848
165 Paper Coated & Laminated Packaging	0	0	0	0	0	0
166 Paper Coated & Laminated N.E.C.	0	0	0	0	0	0
167 Bags, Plastic	30.83	36.235	38.455	44.065	29.344	32.862
168 Bags, Paper	12.045	10.136	10.429	6.074	8.859	9.812
169 Die-cut Paper and Board	0	0	0	0	0.329	0.416
170 Sanitary Paper Products	0	0	0	0	0	0.922
171 Envelopes	6.391	8.125	8.334	12.445	11.069	13.835
172 Stationery Products	0	0	0	0	0	0
173 Converted Paper Products, N.E.C	8.174	15.805	15.879	19.474	21.918	20.223
174 Newspapers	222.61	215.163	224.86	208.783	165.728	177.739
175 Periodicals	274.892	297.182	306.614	327.156	376.562	381.278
176 Book Publishing	14.377	14.057	15.106	24.95	24.172	37.621
177 Book Printing	0	0	0	0	0	0.602
178 Miscellaneous Publishing	58.912	55.134	56.523	51.469	62.433	65.629
179 Commercial Printing	145.853	161.053	162.288	176.376	169.167	172.066
180 Manifold Business Forms	3.127	2.623	2.671	2.034	10.322	9.17
181 Greeting Card Publishing	0	0	0	0	0	0
182 Blankbooks and Looseleaf Binder	2.544	2.55	2.526	2.551	2.223	2.278
183 Bookbinding & Related	0.136	0.026	0.027	0.039	0.031	0.033
184 Typesetting	16.09	18.599	18.925	33.431	31.67	29.295
185 Plate Making	5.796	6.708	6.794	6.739	5.48	3.971
186 Alkalies & Chlorine	0	0	0	0	0	0
187 Industrial Gases	0.739	0.389	0.467	2.183	1.105	0.872
188 Inorganic Pigments	4.581	2.812	3.205	11.985	3.647	7.49
189 Inorganic Chemicals Nec.	38.084	3.974	4.857	6.607	7.069	6.227
190 Cyclic Crudes, Interm. & Indus. Organic Chem.	0.538	0.5	0.654	1.402	0.952	0
191 Plastics Materials and Resins	2.471	1.601	1.707	6.374	4.181	0
192 Synthetic Rubber	11.324	0	0	0	0	0
193 Cellulosic Man-made Fibers	0	0	0	0	0	0.005
194 Organic Fibers, Noncellulosic	2.84	0.56	0.576	0	0	0
195 Drugs	11.236	12.277	15.216	60.382	16.624	19.16
196 Soap and Other Detergents	3.655	3.258	4.196	3.532	1.741	1.296
197 Polishes and Sanitation Goods	34.531	24.615	28.308	30.703	20.074	23.571

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
198 Surface Active Agents	0	0	0	0	0	0
199 Toilet Preparations	25.56	23.709	31.028	41.116	20.759	25.989
200 Paints and Allied Products	38.7	38.779	44.141	49.303	25.236	20.716
201 Gum and Wood Chemicals	0	0	0	0	0	0
202 Nitrogenous and Phosphatic Fertilizers	634.268	662.228	722.665	629.227	534.819	550.443
203 Fertilizers, Mixing Only	19.075	24.677	25.707	37.075	27.297	29.087
204 Agricultural Chemicals, N.E.C	5.145	2.785	3.277	2.184	1.078	0.849
205 Adhesives and Sealants	2.122	6.393	7.271	23.657	7.273	0.67
206 Explosives	0	0	0	0	0	0
207 Printing Ink	5.973	12.936	15.746	8.525	5.959	6.683
208 Carbon Black	0	0	0	0	0	0
209 Chemical Preparations, N.E.C	19.441	6.22	7.783	34.132	10.665	1.444
210 Petroleum Refining	7.508	0	0	0	1.032	4.037
211 Paving Mixtures and Blocks	42.433	28.578	56.645	69.029	77.033	97.065
212 Asphalt Felts and Coatings	47.485	62.937	91.872	93.046	127.15	105.223
213 Lubricating Oils and Greases	70.32	91.521	119.461	57.634	54.419	48.058
214 Petroleum and Coal Products, N.E.C.	0	0	0	0	0	0
215 Tires and Inner Tubes	0	0	0	0	0	0
216 Rubber and Plastics Footwear	0	0	0	0	0	0
217 Rubber and Plastics Hose and Belting	0	0	0	0	0	0.187
218 Gaskets, Packing and Sealing Devices	6.204	3.156	3.31	1.553	0.377	0.155
219 Fabricated Rubber Products, N.E.C.	21.976	24.118	25.299	29.642	25.922	22.863
220 Miscellaneous Plastics Products	118.974	132.107	135.118	168.965	163.131	130.65
221 Leather Tanning and Finishing	0	0	0	0	0	0
222 Footwear Cut Stock	0	0	0	0	0	0
223 House Slippers	0	0	0	0	0	0
224 Shoes, Except Rubber	1.174	0.498	0.517	0	0	0
225 Leather Gloves and Mittens	0	0	0	0	0	0
226 Luggage	0.031	0.104	0.102	0.181	0.459	0.373
227 Womens Handbags and Purses	0	0	0	0	0	0
228 Personal Leather Goods	0	0	0	0	0	0
229 Leather Goods, N.E.C	0.068	0.378	0.379	0.916	0.539	0.368
230 Glass and Glass Products, Exc Containers	13.986	12.937	16.703	39.885	32.587	26.336
231 Glass Containers	0	0	0	0	0.477	18.057
232 Cement, Hydraulic	12.939	11.121	14.793	41.153	31.23	32.061
233 Brick and Structural Clay Tile	4.055	4.45	5.233	4.647	5.495	8.155
234 Ceramic Wall and Floor Tile	3.588	0	0	0	0	0
235 Clay Refractories	0.124	0.243	0.398	0.263	0	0
236 Structural Clay Products, N.E.C	0.229	1.466	1.576	0	0	0
237 Vitreous Plumbing Fixtures	0	0	0	0	0	0
238 Vitreous China Food Utensils	0	0	0	0	0	0
239 Fine Earthenware Food Utensils	0.338	0.261	0.226	0.286	0.255	0.094
240 Porcelain Electrical Supplies	0	0	0	0	0	0
241 Pottery Products, N.E.C	0	0	0	0	0.183	0.03
242 Concrete Block and Brick	37.22	48.45	60.49	56.98	51.083	57.794
243 Concrete Products, N.E.C	63.09	72.958	90.514	103.881	110.722	107.811
244 Ready-mixed Concrete	41.766	43.709	55.551	60.87	48.797	47.88
245 Lime	0	0	0	0	0	0
246 Gypsum Products	92.617	130.932	157.18	216.823	280.851	282.527
247 Cut Stone and Stone Products	0.881	0.928	1.35	2.22	2.123	2.345
248 Abrasive Products	0.293	0.222	0.327	0	0.108	1.078
249 Asbestos Products	0	0	0	0	0	0
250 Minerals, Ground Or Treated	12.207	9.754	14.003	14.745	2.091	1.33
251 Mineral Wool	0.348	0.716	1.041	1.264	4.753	4.17
252 Nonclay Refractories	0	0	0	0	0	0
253 Nonmetallic Mineral Products, N.E.C.	0.722	1.133	1.444	1.639	0	0.157
254 Blast Furnaces and Steel Mills	86.726	37.979	40.186	83.143	43.505	46.276
255 Electrometallurgical Products	0	0	0	0	0	0
256 Steel Wire and Related Products	39.114	35.276	36.989	14.361	10.526	9.136
257 Cold Finishing Of Steel Shapes	0	0	0	0	0.581	0.496
258 Steel Pipe and Tubes	0	0	0	0	0	0
259 Iron and Steel Foundries	12.063	9.338	10.552	16.822	17.878	21.744
260 Primary Copper	0	0	0	0	0	0
261 Primary Aluminum	0	0	0	0	0	0
262 Primary Nonferrous Metals, N.E.C.	0	0	0	0	0	0
263 Secondary Nonferrous Metals	28.053	35.714	40.259	47.671	36.52	73.19
264 Copper Rolling and Drawing	0	0	0	0	0	0

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
265 Aluminum Rolling and Drawing	168.023	154.469	171.717	155.967	151.013	134.166
266 Nonferrous Rolling and Drawing, N.E.C.	0.836	1.769	2.076	2.173	2.191	2.292
267 Nonferrous Wire Drawing and Insulating	0	0	0	0	0	0
268 Aluminum Foundries	6.817	5.616	6.093	5.387	5.618	5.096
269 Brass, Bronze, and Copper Foundries	0	0	0	0	0	0
270 Nonferrous Castings, N.E.C.	18.911	15.214	16.366	55.365	21.369	21.229
271 Metal Heat Treating	7.426	2.688	3.009	3.385	4.48	4.169
272 Primary Metal Products, N.E.C	0	0	0	0	0	0
273 Metal Cans	147.339	166.888	166.046	119.097	150.402	127.899
274 Metal Barrels, Drums and Pails	0	0	0	0	0	0
275 Cutlery	0	0	0	0	0	0
276 Hand and Edge Tools, N.E.C.	0	0	0	0	0	0
277 Hand Saws and Saw Blades	8.595	18.112	20.216	8.621	0	0
278 Hardware, N.E.C.	0.59	0.654	0.652	0.572	8.454	7.181
279 Metal Sanitary Ware	0	0	0	0	0	0
280 Plumbing Fixture Fittings and Trim	0	13.063	13.958	13.04	10.898	6.904
281 Heating Equipment, Except Electric	0	0	0	0	0	0
282 Fabricated Structural Metal	39.225	51.502	50.829	57.562	52.157	71.178
283 Metal Doors, Sash, and Trim	43.407	44.109	44.58	61.913	68.083	72.122
284 Fabricated Plate Work (Boiler Shops)	53.844	54.161	52.646	59.786	22.161	22.292
285 Sheet Metal Work	38.807	35.238	35.066	30.852	23.782	30.228
286 Architectural Metal Work	5.843	3.085	3.013	6.59	7.481	7.057
287 Prefabricated Metal Buildings	7.75	9.243	8.796	19.902	21.002	21.15
288 Miscellaneous Metal Work	15.648	16.869	14.249	19.233	22.702	17.414
289 Screw Machine Products and Bolts, Etc.	6.384	0	0	0	0	0
290 Iron and Steel Forgings	19.145	12.959	12.811	8.776	10.089	8.923
291 Nonferrous Forgings	0	0	0	0	0	0
292 Automotive Stampings	0	0	0	0	0	0
293 Crowns and Closures	0	0	0	0	0	0
294 Metal Stampings, N.E.C.	22.697	27.106	29.456	25.436	22.931	19.562
295 Plating and Polishing	3.669	3.742	3.743	3.832	2.814	3.297
296 Metal Coating and Allied Services	5.044	4.735	4.824	3.297	2.109	2.847
297 Small Arms Ammunition	0	0	0	0	0	0
298 Ammunition, Except For Small Arms, N.E.C.	0	0	0	0	0.851	0.911
299 Small Arms	0	0	0	0	0	0
300 Other Ordnance and Accessories	29.627	18.777	18.512	0	0	0
301 Industrial and Fluid Valves	75.895	73.232	79.863	57.76	36.007	78.294
302 Steel Springs, Except Wire	0	0	0	0	0	0
303 Pipe, Valves, and Pipe Fittings	0.683	4.649	4.444	6.661	18.868	5.155
304 Miscellaneous Fabricated Wire Products	31.982	30.361	29.864	22.213	22.672	24.057
305 Metal Foil and Leaf	0	0	0	0	0	0
306 Fabricated Metal Products, N.E.C.	9.09	11.155	11.046	14.655	12.751	14.497
307 Steam Engines and Turbines	0	0	0	0	0.164	0.631
308 Internal Combustion Engines, N.E.C.	0	0	0	0	0	1.187
309 Farm Machinery and Equipment	9.681	11.071	11.319	13.574	14.373	13.317
310 Lawn and Garden Equipment	0.38	0.453	0.512	0.73	1.21	0
311 Construction Machinery and Equipment	0	0	0	0	1.153	0.679
312 Mining Machinery, Except Oil Field	0	0	0	0	0	0
313 Oil Field Machinery	0	0	0	0	0.024	0
314 Elevators and Moving Stairways	0	0	0	0	0	0
315 Conveyors and Conveying Equipment	0.385	0	0	0	0	0
316 Hoists, Cranes, and Monorails	0	0	0	0	0	0
317 Industrial Trucks and Tractors	0.962	1.219	1.23	2.14	2.849	3.623
318 Machine Tools, Metal Cutting Types	0.181	1.539	1.8	1.689	1.771	2.026
319 Machine Tools, Metal Forming Types	0.273	0	0	0	0	0
320 Industrial Patterns	0	0	0	0	0	0
321 Special Dies and Tools and Accessories	1.135	1.289	1.441	1.136	0.574	2.519
322 Power Driven Hand Tools	0	0	0	0	2.183	1.302
323 Rolling Mill Machinery	0	0	0	0	0.49	0
324 Welding Apparatus	0	0	0	0	0	0
325 Metalworking Machinery, N.E.C.	0	0.166	0.178	0.341	0.939	0.929
326 Textile Machinery	0	0	0	0	0.205	0.475
327 Woodworking Machinery	0.074	0	0	0	0.234	0.543
328 Paper Industries Machinery	0	0	0	0	0	0
329 Printing Trades Machinery	0.781	0.504	0.477	2.876	2.521	2.997
330 Food Products Machinery	1.948	2.392	2.281	2.156	1.773	2.144
331 Special Industry Machinery N.E.C.	38.229	48.409	44.894	54.251	56.293	122.473

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
332 Pumps and Compressors	12.904	9.81	10.249	10.017	14.051	17.526
333 Ball and Roller Bearings	0.802	1.302	1.388	14.363	7.557	4.468
334 Blowers and Fans	4.798	3.724	3.851	4.078	4.355	4.165
335 Packaging Machinery	13.487	21.374	22.65	31.528	28.38	25.125
336 Power Transmission Equipment	0.902	0.91	0.9	0.976	1.765	1.933
337 Industrial Furnaces and Ovens	0	0	0	0	0.433	0.57
338 General Industrial Machinery, N.E.C	5.49	1.984	2.052	1.088	1.1	5.047
339 Electronic Computers	0	4.553	4.436	1.202	1.581	1.036
340 Computer Storage Devices	18.496	7.761	8.049	21.687	0	0
341 Computer Terminals	0	2.29	2.037	5.075	0.238	0.115
342 Computer Peripheral Equipment,	11.774	9.601	9.609	8.509	1.597	0
343 Calculating and Accounting Machines	0	0	0	0	0	0
344 Typewriters and Office Machines N.E.C.	0	4.094	4.406	4.413	0.753	0.774
345 Automatic Merchandising Machine	0	0	0	0	0	0
346 Commercial Laundry Equipment	11.84	8.812	9.543	8.585	20.463	17.412
347 Refrigeration and Heating Equipment	10.851	10.309	9.465	9.551	9.701	8.873
348 Measuring and Dispensing Pumps	0	0	0	0	0	0
349 Service Industry Machines, N.E.C.	42.922	46.07	46.195	28.434	35.712	54.736
350 Carburetors, Pistons, Rings, Valves	0	0	0	0	0	0
351 Fluid Power Cylinders & Actuators	1.916	2.203	2.286	3.938	3.261	4.461
352 Fluid Power Pumps & Motors	0	0	0	0	0	0
353 Scales and Balances	0	0	0	0	0	0
354 Industrial Machines N.E.C.	28.474	34.344	36.249	24.206	22.233	32.32
355 Transformers	1.222	6.011	6.217	5.039	3.341	1.849
356 Switchgear and Switchboard Apparatus	12.4	1.909	1.905	3.295	1.523	1.544
357 Motors and Generators	0	0	0	0	0	0
358 Carbon and Graphite Products	0	0	0	0	0	0
359 Relays & Industrial Controls	6.761	6.928	7.616	5.797	4.826	6.387
360 Electrical Industrial Apparatus, N.E.C.	0	0	0	0	0	0
361 Household Cooking Equipment	0	0	0	0	0.139	0
362 Household Refrigerators and Freezers	0.82	2.427	6.353	3.217	0	0
363 Household Laundry Equipment	0	0	0	0	0	0
364 Electric Housewares and Fans	0	0	0	0	3.571	1.168
365 Household Vacuum Cleaners	0	0	0	0	0	0
366 Household Appliances, N.E.C.	0	1.319	6.498	2.24	0.843	0.808
367 Electric Lamps	0	0	0	0	0	0
368 Wiring Devices	0	4.286	4.302	4.825	9.493	17.348
369 Lighting Fixtures and Equipment	17.59	25.49	27.665	24.48	55.851	62.287
370 Radio and TV Receiving Sets	0	0.66	0.686	1.064	1.154	0.97
371 Phonograph Records and Tape	0	0	0	0	0	0
372 Telephone and Telegraph Apparatus	41.932	71.099	78.772	91.51	38.528	80.814
373 Radio and Tv Communication Equipment	140.79	195.931	230.712	137.194	115.217	145.926
374 Communications Equipment N.E.C.	10.679	9.524	10.233	7.049	4.207	3.042
375 Electron Tubes	0	0	0	0	0.149	0.124
376 Printed Circuit Boards	46.308	34.652	34.807	32.2	25.474	37.508
377 Semiconductors and Related Devices	0	2.361	2.229	2.258	1.183	1.558
378 Electronic Components, N.E.C.	70.065	66.761	71.238	80.912	80.088	88.116
379 Storage Batteries	44.514	37.518	37.099	33.03	35.949	34.999
380 Primary Batteries, Dry and Wet	0	0	0	0	0	0
381 Engine Electrical Equipment	0	0	0	0	0	0
382 Magnetic & Optical Recording Media	0	0	0	0	0	0
383 Electrical Equipment, N.E.C.	92.707	126.181	127.693	105.321	85.878	101.005
384 Motor Vehicles	0	79.315	88.952	0	0	0
385 Truck and Bus Bodies	4.666	4.102	4.481	4.939	9.968	9.553
386 Motor Vehicle Parts and Accessories	67.557	68.961	78.597	111.146	93.049	104.868
387 Truck Trailers	10.205	1.101	1.242	1.35	1.78	2.44
388 Motor Homes	0	0	0	0	0	0
389 Aircraft	0	0	0	0	0.741	0.54
390 Aircraft and Missile Engines and Parts	24.77	28.832	35.194	29.265	18.844	15.627
391 Aircraft and Missile Equipment,	1.518	0.586	0.667	4.613	2.591	2.307
392 Ship Building and Repairing	53.844	62.59	63.384	111.461	77.031	96.981
393 Boat Building and Repairing	4.964	4.043	3.836	5.448	4.925	5.943
394 Railroad Equipment	0	0	0	0	0	0
395 Motorcycles, Bicycles, and Parts	0	0	0	0	0	0
396 Complete Guided Missiles	0.91	0.499	0.628	1.3	1.164	0
397 Travel Trailers and Camper	0	0	0	0	0	0
398 Tanks and Tank Components	0	0	0	0	0	0

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
399 Transportation Equipment, N.E.C	0	1.642	1.611	7.744	7.072	14.397
400 Search & Navigation Equipment	1.258	0	0	0	2.573	2.527
401 Laboratory Apparatus & Furniture	0	0	0	0	0	0
402 Automatic Temperature Controls	0.793	0	0	0	0	0
403 Mechanical Measuring Devices	5.402	0.099	0.123	0.119	0.748	0.955
404 Instruments To Measure Electricity	5.719	6.381	8.559	7.725	17.729	11.24
405 Analytical Instruments	0	0	0	0	0	0
406 Optical Instruments & Lenses	0	0	0	0	0	0
407 Surgical and Medical Instrument	43.647	41.461	55.301	51.672	63.82	47.071
408 Surgical Appliances and Supplies	2.431	3.199	4.237	15.238	29.176	40.14
409 Dental Equipment and Supplies	0.531	0.662	0.905	3.377	0	0
410 X-Ray Apparatus	0	0	0	0	0.252	0.426
411 Electromedical Apparatus	3.217	3.727	5.238	17.468	3.87	5.334
412 Ophthalmic Goods	9.56	11.194	16.298	12.332	13.051	15.55
413 Photographic Equipment and Supplies	0	0	0	0	0.648	0.37
414 Watches, Clocks, and Parts	0	0	0	0	0	0
415 Jewelry, Precious Metal	3.67	0.297	0.315	0.245	0.327	0
416 Silverware and Plated Ware	0	0	0	0	0	0
417 Jewelers Materials and Lapidary Work	0.262	0.176	0.194	0.214	0.22	0.39
418 Musical Instruments	0	0	0	0	0	0.463
419 Dolls	0.014	0.103	0.041	0.075	0.045	0.027
420 Games, Toys, and Childrens Vehicles	0.132	0.307	0.29	0.243	0.144	0.166
421 Sporting and Athletic Goods, N.E.C.	5.982	6.051	6.24	8.289	7.698	10.601
422 Pens and Mechanical Pencils	0	0	0	0	0	0
423 Lead Pencils and Art Goods	0	0	0	0	0.217	0.097
424 Marking Devices	0.561	3.594	3.544	2.627	4.912	1.524
425 Carbon Paper and Inked Ribbons	0	0	0	0	0	0
426 Costume Jewellery	0	0	0	0	0.135	0.082
427 Fasteners, Buttons, Needles, Pins	0	0	0	0	0	0
428 Brooms and Brushes	7.911	7.507	7.799	6.857	8.098	11.406
429 Signs and Advertising Displays	24.659	22.58	23.507	24.784	29.485	35.326
430 Burial Caskets and Vaults	3.451	1.299	0.925	0	0	0
431 Hard Surface Floor Coverings	0	0	0	0	0	0
432 Manufacturing Industries, N.E.C.	6.375	19.145	20.709	16.961	18.024	30.473
433 Railroads and Related Services	137.79	131.702	126.65	125.399	139.894	132.238
434 Local, Interurban Passenger Transit	21.746	25.004	20.417	19.822	22.417	22.971
435 Motor Freight Transport and Warehousing	695.58	794.484	851.117	989.392	882.601	862.052
436 Water Transportation	381.871	380.804	397.489	360.781	299.305	535.7
437 Air Transportation	674.371	563.884	592.284	597.537	655.644	629.376
438 Pipe Lines, Except Natural Gas	13.116	19.789	14.512	7.695	11.154	11.152
439 Arrangement Of Passenger Transportation	50.096	50.967	58.606	63.563	55.098	74.967
440 Transportation Services	62.141	57.581	41.377	55.478	50.983	68.706
441 Communications, Except Radio and TV	1,284.17	1,648.53	1,832.13	1,742.76	1,902.99	2,020.84
442 Radio and TV Broadcasting	167.727	181.838	198.412	211.71	201.119	203.477
443 Electric Services	1,012.94	764.194	843.377	1,047.28	1,048.42	900.276
444 Gas Production and Distribution	191.501	165.918	111.964	177.352	155.367	214.701
445 Water Supply and Sewerage Systems	0.912	1.386	1.159	1.178	1.597	1.045
446 Sanitary Services and Steam Supply	75.828	83.153	69.186	87.806	97.9	101.195
447 Wholesale Trade	4,386.72	4,167.57	4,409.38	4,784.71	3,498.66	3,733.59
448 Building Materials & Gardening	148.009	153.366	168.462	241.499	150.394	136.714
449 General Merchandise Stores	314.187	346.09	356.499	314.001	306.457	323.488
450 Food Stores	445.882	454.023	412.727	445.267	464.666	531.28
451 Automotive Dealers & Service Stations	607.444	680.427	650.881	696.038	652.443	723.423
452 Apparel & Accessory Stores	105.128	99.914	106.942	103.929	102.434	120.621
453 Furniture & Home Furnishings Stores	231.456	256.722	264.679	256.62	174.926	174.524
454 Eating & Drinking	1,101.24	1,220.62	1,163.28	1,266.90	1,172.75	1,184.75
455 Miscellaneous Retail	642.766	829.65	877.992	1,104.59	743.151	853.764
456 Banking	805.27	1,208.26	1,328.45	1,671.87	1,449.02	1,677.71
457 Credit Agencies	468.244	428.962	457.405	680.834	696.708	853.985
458 Security and Commodity Brokers	235.107	382.127	336.45	359.879	376.71	518.276
459 Insurance Carriers	1,554.78	1,751.62	1,703.90	1,657.20	2,227.31	2,261.77
460 Insurance Agents and Brokers	355.092	404.415	360.538	399.64	335.726	281.415
461 Owner-occupied Dwellings	1,673.22	1,501.86	1,619.07	1,796.25	1,874.63	2,390.83
462 Real Estate	2,706.64	2,762.87	2,697.75	2,756.99	2,412.88	2,347.94
463 Hotels and Lodging Places	343.868	369.049	330.928	330.572	258.954	322.329
464 Laundry, Cleaning and Shoe Repair	87.51	88.514	99.406	95.758	84.624	103.712
465 Portrait and Photographic Studios	12.834	15.046	17.113	23.148	20.966	14.36

Industry	1995 Industry Output*	1996 Industry Output*	1997 Industry Output*	1998 Industry Output*	1999 Industry Output*	2000 Industry Output*
466 Beauty and Barber Shops	73.74	79.234	89.753	80.277	71.336	74.644
467 Funeral Service and Crematories	33.012	29.876	33.962	36.495	33.351	22.421
468 Miscellaneous Personal Services	73.484	73.873	85.936	137.06	136.583	186.455
469 Advertising	96.584	115.95	140.154	133.469	73.464	80.23
470 Other Business Services	311.327	458.404	593.628	610.773	512.766	504.823
471 Photofinishing, Commercial Photography	88.129	91.779	120.226	66.088	76.173	87.414
472 Services To Buildings	93.038	118.469	149.446	139.409	113.931	147.407
473 Equipment Rental and Leasing	114.819	136.96	149.415	135.898	130.754	146.65
474 Personnel Supply Services	1,151.17	1,201.89	1,318.70	1,721.58	1,227.07	1,465.11
475 Computer and Data Processing Services	876.769	1,144.21	1,393.05	1,319.13	1,024.35	738.423
476 Detective and Protective Services	81.779	105.09	81.727	128.977	92.44	98.114
477 Automobile Rental and Leasing	222.806	260.165	248.122	276.235	259.156	287.189
478 Automobile Parking and Car Wash	18.074	15.611	16.143	24.953	20.975	24.072
479 Automobile Repair and Services	366.718	280.027	285.236	281.357	276.949	294.355
480 Electrical Repair Service	89.58	86.618	81.817	85.227	69.049	83.803
481 Watch, Clock, Jewelry and Furniture Repair	8.08	8.036	7.737	8.057	8.26	7.31
482 Miscellaneous Repair Shops	153.35	158.918	153.801	162.575	150.144	130.28
483 Motion Pictures	92.799	108.606	221.045	241.069	226.906	146.698
484 Theatrical Producers, Bands Etc.	36.567	44.948	49.305	61.325	55.179	57.361
485 Bowling Alleys and Pool Halls	6.785	5.73	5.859	4.734	3.474	3.424
486 Commercial Sports Except Racing	77.979	111.098	107.485	334.316	370.269	333.074
487 Racing and Track Operation	12.461	12.379	15.613	26.575	21.137	19.169
488 Amusement and Recreation Services, N.E.C.	224.267	251.026	266.987	292.15	224.782	245.874
489 Membership Sports and Recreation Clubs	66.895	76.653	83.498	76.246	70.306	61.279
490 Doctors and Dentists	1,186.55	1,281.77	1,277.21	1,265.92	1,106.07	1,152.90
491 Nursing and Protective Care	118.13	140.614	144.403	137.934	125.402	131.581
492 Hospitals	890.434	869.349	848.855	880.295	974.728	971.324
493 Other Medical and Health Services	371.2	426.681	423.043	446.041	407.836	442.626
494 Legal Services	608.236	586.27	723.576	729.765	579.064	656.075
495 Elementary and Secondary Schools	66.395	72.299	78.676	64.305	50.625	48.317
496 Colleges, Universities, Schools	54.02	55.869	61.768	60.907	61.656	64.384
497 Other Educational Services	58.815	75.099	84.649	103.628	97.844	99.606
498 Job Trainings & Related Services	26.488	30.652	35.912	42.353	38.187	43.531
499 Child Day Care Services	78.995	86.918	99.545	100.641	126.851	129.1
500 Social Services, N.E.C.	99.187	110.112	145.457	139.528	171.931	223.302
501 Residential Care	67.304	70.632	87.516	92.436	94.766	84.04
502 Other Nonprofit Organizations	160.892	153.844	149.037	75.93	112.408	127.36
503 Business Associations	41.897	46.083	46.92	55.837	74.998	101.78
504 Labor and Civic Organizations	41.016	45.685	46.463	50.038	53.696	62.128
505 Religious Organizations	78.03	91.383	93.86	202.178	170.894	135.994
506 Engineering, Architectural Services	568.912	598.333	643.958	776.675	764.075	880.593
507 Accounting, Auditing and Bookkeeping	273.397	339.368	377.234	431.074	442.403	627.128
508 Management and Consulting Services	413.321	477.259	537.744	606.082	693.911	791.038
509 Research, Development & Testing Services	75.626	81.931	76.862	86.533	99.234	120.364
510 Local Government Passenger Transit	12.16	20.861	11.132	11.699	10.986	12.049
511 State and Local Electric Utilities	0	0	0	0	0	0
512 Other State and Local Govt Enterprises	345.517	370.067	269.052	293.283	326.427	351.618
513 U.S. Postal Service	294.027	326.096	335.363	352.669	362.086	368.89
514 Federal Electric Utilities	0	0	0	0	0	0
515 Other Federal Government Enterprises	39.52	45.635	59.753	71.887	62.519	80.915
516 Noncomparable Imports	0	0	0	0	0	0
517 Scrap	0	0	0	0	0	0
518 Used and Secondhand Goods	0	0	0	0	0	0
519 Federal Government - Military	334.688	628.026	705.482	788.003	775.156	776.886
520 Federal Government - Non-Military	602.707	448.284	459.467	480.366	524.332	545.388
521 Commodity Credit Corporation	0	0	0	0	0	0
522 State & Local Government - Education	867.632	811.328	1,326.93	1,121.92	1,126.83	1,206.32
523 State & Local Government - Non-Education	1,056.75	1,196.39	803.139	1,237.88	1,246.60	1,334.73
524 Rest Of The World Industry	19.665	12.21	0	0	0	0
525 Domestic Services	52.47	51.352	52.05	58.434	58.848	59.71
526 Dummy	0	0	0	0	0	0
527 Dummy	0	0	0	0	0	0
528 Inventory Valuation Adjustment	-109.67	-0.908	8.475	13.237	-5.824	-9.675
Totals	43,844.05	46,556.00	48,910.54	54,021.04	50,649.52	54,580.31

*Millions of dollars

Employee Compensation

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
1 Dairy Farm Products	1.805	1.946	1.529	1.37	1.355	1.388
2 Poultry and Eggs	1.763	1.772	2.196	1.964	1.932	2.036
3 Ranch Fed Cattle	0.812	0.462	0.921	0.743	0.797	1.055
4 Range Fed Cattle	0.143	0.093	0.188	0.146	0.157	0.207
5 Cattle Feedlots	0.092	0.051	0.035	0.027	0.029	0.039
6 Sheep, Lambs and Goats	0.003	0.002	0.001	0.001	0	0
7 Hogs, Pigs and Swine	0.059	0.053	0.096	0.039	0.039	0.055
8 Other Meat Animal Products	0.002	0	0	0	0	0
9 Miscellaneous Livestock	6.384	4.508	10.27	9.206	8.271	9.248
10 Cotton	0	0	0	0	0	0
11 Food Grains	0	0	0	0	0	0
12 Feed Grains	0	0	0.001	0.001	0.001	0.001
13 Hay and Pasture	0.053	0.039	0.106	0.092	0.094	0.106
14 Grass Seeds	0.016	0.011	0.015	0.013	0.012	0.015
15 Tobacco	0	0	0	0	0	0
16 Fruits	32.657	35.522	26.742	24.922	26.795	29.225
17 Tree Nuts	0	0	0	0	0.031	0.038
18 Vegetables	13.455	13.342	16.394	14.871	13.805	15.942
19 Sugar Crops	0	0	0	0	0	0
20 Miscellaneous Crops	0.082	0.062	0	0	0.077	0.079
21 Oil Bearing Crops	0	0	0.002	0.001	0.001	0.001
22 Forest Products	0.026	0.018	0.039	0.033	0.034	0.039
23 Greenhouse and Nursery Products	23.062	22.263	26.5	23.115	26.486	32.093
24 Forestry Products	0.18	0.025	0.021	0.031	1.027	0.658
25 Commercial Fishing	2.427	3.958	3.575	0.91	0.59	0.005
26 Agricultural, Forestry, Fishery Services	31.934	26.251	24.961	28.085	18.903	17.295
27 Landscape and Horticultural Services	31.573	30.21	29.085	43.78	37.449	39.111
28 Iron Ores	0	0	0	0	0	0
29 Copper Ores	0	0	0	0	0	0
30 Lead and Zinc Ores	0	0	0	0	0	0
31 Gold Ores	0	0	0	0	0	0
32 Silver Ores	0	0	0	0	0	0
33 Ferroalloy Ores, Except Vanadium	0	0	0	0	0	0
34 Metal Mining Services	0	0	0	0	0	0.168
35 Uranium-radium-vanadium Ores	0	0	0	0	0	0
36 Metal Ores, Not Elsewhere Classified	0	0	0.076	0	0	0
37 Coal Mining	0	0	0	0	0	0
38 Natural Gas & Crude Petroleum	0	0	0	0	0	0.864
39 Natural Gas Liquids	0	0	0	0	0	0
40 Dimension Stone	0	0.161	0.169	0	0.036	0.446
41 Sand and Gravel	0	0.096	0.114	0.821	0.243	2.698
42 Clay, Ceramic, Refractory Minerals, N.E.C.	0	0	0	0	0	0
43 Potash, Soda, and Borate Minerals	0	0	0	0	0	0
44 Phosphate Rock	0	0	0	0	0.066	0.741
45 Chemical, Fertilizer Mineral Mining, N.E.C.	0	0	0	0	0.108	0
46 Nonmetallic Minerals (Except Fuels) Service	0	0	0	0	0	0
47 Misc. Nonmetallic Minerals, N.E.C.	0.403	0.013	0.019	0.122	0.035	0.415
48 New Residential Structures	241.618	271.146	288.748	312.396	226.682	253.951
49 New Industrial and Commercial Buildings	132.016	148.395	158.07	170.979	124.135	139.273
50 New Utility Structures	36.458	40.921	43.674	47.23	34.303	38.467
51 New Highways and Streets	39.46	44.328	47.382	51.267	37.426	42.14
52 New Farm Structures	0	0	0	0	0	0
53 New Mineral Extraction Facilities	0	0	0	0	0	0
54 New Government Facilities	157.647	177.38	189.213	204.674	148.805	166.915
55 Maintenance and Repair, Residential	92.362	104.329	111.24	120.357	87.328	97.665
56 Maintenance and Repair Other Facilities	216.963	244.966	261.434	282.86	205.731	230.638
57 Maintenance and Repair Oil and Gas Wells	0.012	0.965	0.466	0.17	0.035	0.739
58 Meat Packing Plants	36.832	29.697	28.798	27.584	25.755	26.491
59 Sausages and Other Prepared Meats	0.076	0	0	0	0	0
60 Poultry Processing	0	0.641	0.653	0.492	0.705	0

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
61 Creamery Butter	0	0	0	0	0	0
62 Cheese, Natural and Processed	0	0	0	0	0	0
63 Condensed and Evaporated Milk	0.033	0.015	0.015	0	0	0
64 Ice Cream and Frozen Desserts	0	0	0	0	0.024	0.069
65 Fluid Milk	3.909	4.118	4.139	4.49	1.809	2.239
66 Canned Specialties	0.29	0.146	0.134	0.061	0.145	0
67 Canned Fruits and Vegetables	1.333	0.933	0.874	0.452	2.144	1.554
68 Dehydrated Food Products	0.133	0.281	0.279	0.179	0.157	0.134
69 Pickles, Sauces, and Salad Dressings	0.08	0.102	0.092	0.102	0	0
70 Frozen Fruits, Juices and Vegetables	0	0	0	0	0	0
71 Frozen Specialties	7.226	6.28	6.207	4.434	5.277	5.289
72 Flour and Other Grain Mill Products	2.902	0.606	0.575	0.38	0.596	1.182
73 Cereal Preparations	0	0	0	0	0	0
74 Rice Milling	0	0	0	0	0	0
75 Blended and Prepared Flour	0	0	0	0	0	0
76 Wet Corn Milling	0	0	0	0	0	0
77 Dog, Cat, and Other Pet Food	0.482	0.159	0.161	0.103	0	0
78 Prepared Feeds, N.E.C	1.515	1.253	1.232	1.331	0.93	1.08
79 Bread, Cake, and Related Products	6.626	6.659	6.608	6.938	9.789	12.705
80 Cookies and Crackers	4.015	4.229	4.449	4.435	6.638	9.184
81 Sugar	0	0	0	0	0	0
82 Confectionery Products	3.122	2.65	2.639	3.337	1.135	1.038
83 Chocolate and Cocoa Products	0	0	0	0	0	0
84 Chewing Gum	0	0	0	0	0	0
85 Salted and Roasted Nuts & Seeds	0	0	0	0	0	0
86 Cottonseed Oil Mills	0	0	0	0	0	0
87 Soybean Oil Mills	0	0	0	0	0	0
88 Vegetable Oil Mills, N.E.C	0	0	0	0	0	0
89 Animal and Marine Fats and Oils	0.918	1.18	1.042	0.807	1.006	1.1
90 Shortening and Cooking Oils	0	0	0	0	0	0
91 Malt Beverages	30.688	17.076	15.708	4.799	3.809	1.905
92 Malt	0	0	0	0	0	0
93 Wines, Brandy, and Brandy Spirits	0	0	0	0	0	0
94 Distilled Liquor, Except Brandy	0	0	0	0	0	0
95 Bottled and Canned Soft Drinks & Water	29.827	32.924	32.768	41.869	62.299	72.057
96 Flavoring Extracts and Syrups, N.E.C.	2.914	3.3	3.463	1.416	0.611	0.715
97 Canned and Cured Sea Foods	0	0	0	0	0.121	0.135
98 Prepared Fresh Or Frozen Fish Or Seafood	34.279	37.014	36.632	20.279	31.002	34.435
99 Roasted Coffee	0.903	0.758	0.793	1.022	1.436	1.613
100 Potato Chips & Similar Snacks	0.781	1.289	1.321	1.36	1.932	2.332
101 Manufactured Ice	1.255	1.347	1.381	2.045	1.297	1.343
102 Macaroni and Spaghetti	0.107	0.114	0.105	0.146	0.228	0.102
103 Food Preparations, N.E.C	1.488	2.156	2.093	3.327	3.696	1.824
104 Cigarettes	0	0	0	0	0	0
105 Cigars	11.949	20.565	30.184	40.24	62.32	75.61
106 Chewing and Smoking Tobacco	0	0	0	0	0	0
107 Tobacco Stemming and Redrying	0	0	0	0	0	0
108 Broadwoven Fabric Mills and Finishing	0.112	0.02	0.02	0.06	0.03	0.024
109 Narrow Fabric Mills	0.012	0.057	0.07	0.047	0.01	0.008
110 Womens Hosiery, Except Socks	0	0	0	0	0	0
111 Hosiery, N.E.C	0	0	0	0	0	0
112 Knit Outerwear Mills	0.008	0.055	0.054	0	0	0
113 Knit Underwear Mills	0	0	0	0	0	0
114 Knit Fabric Mills	0	0	0	0	0	0
115 Knitting Mills, N.E.C.	0	0	0	0	0	0
116 Yarn Mills and Finishing Of Textiles, N.E.C.	0	0	0	0	0	0
117 Carpets and Rugs	0	0.051	0.052	0	0	0
118 Thread Mills	0	0	0	0	0	0
119 Coated Fabrics, Not Rubberized	0	0	0	0	0	0
120 Tire Cord and Fabric	0	0	0	0	0	0
121 Nonwoven Fabrics	0	0	0	0	0	0
122 Cordage and Twine	0.014	0.217	0.228	0.255	0.038	0.033
123 Textile Goods, N.E.C	0	0.173	0.188	0	0.014	0.01
124 Apparel Made From Purchased Materials	75.422	75.192	76.784	74.331	52.019	47.186
125 Curtains and Draperies	0.211	0.335	0.37	0	0	0
126 Housefurnishings, N.E.C	0	0	0	0	0.017	0.125

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
127 Textile Bags	0	0	0	0	0	0
128 Canvas Products	1.333	0.753	0.812	0.753	0.597	0.731
129 Pleating and Stitching	0.037	0.042	0.047	1.149	0.182	0.418
130 Automotive and Apparel Trimmings	0.749	0.615	0.67	1.943	1.382	2.557
131 Schiffi Machine Embroideries	0	0	0	0	0	0.047
132 Fabricated Textile Products, N.E.C.	2.992	3.23	3.595	2.916	2.109	1.453
133 Logging Camps and Logging Contractors	0.024	0	0	0	0	0.052
134 Sawmills and Planing Mills, General	0.025	0.025	0.025	0.019	0.002	0.003
135 Hardwood Dimension and Flooring Mills	0	0	0	0	0	0
136 Special Product Sawmills, N.E.C	0	0	0	0	0	0
137 Millwork	10.994	11.118	11.63	7.892	5.665	7.97
138 Wood Kitchen Cabinets	4.036	4.586	4.845	5.21	3.608	4.723
139 Veneer and Plywood	0	0	0	0	0	0
140 Structural Wood Members, N.E.C	1.513	1.816	1.962	10.359	6.848	6.339
141 Wood Containers	0	0	0	0	0.044	0.062
142 Wood Pallets and Skids	0.886	1.042	1.124	1.992	1.253	1.451
143 Mobile Homes	5.877	6.016	5.825	5.107	0.542	0.724
144 Prefabricated Wood Buildings	0	0	0	0	0	0
145 Wood Preserving	4.849	7.501	7.888	0.737	2.082	6.336
146 Reconstituted Wood Products	0.329	0.926	0.891	0.175	0.271	1.113
147 Wood Products, N.E.C	0.992	2.975	3.034	2.377	1.981	1.366
148 Wood Household Furniture	0.045	1.355	1.559	1.987	2.023	0.225
149 Upholstered Household Furniture	1.301	1.091	1.231	1.904	1.536	2.063
150 Metal Household Furniture	1.539	1.307	1.327	1.973	1.905	2.51
151 Mattresses and Bedsprings	2.988	2.954	3.442	4.369	4.562	6.982
152 Wood Tv and Radio Cabinets	0	0	0	0	0	0
153 Household Furniture, N.E.C	0	0	0	0	0	0
154 Wood Office Furniture	0.385	0.299	0.349	0.503	0	0
155 Metal Office Furniture	3.549	4.977	5.176	6.281	4.052	4.473
156 Public Building Furniture	0.98	0.71	0.812	0.982	0.506	1.598
157 Wood Partitions and Fixtures	2.578	3.643	4.079	3.138	1.97	2.315
158 Metal Partitions and Fixtures	1.092	1.893	2.224	4.018	2.285	0
159 Blinds, Shades, and Drapery Hardware	4.517	4.509	4.985	4.424	3.25	3.474
160 Furniture and Fixtures, N.E.C	0	0.111	0.134	0.142	0.107	0
161 Pulp Mills	0	0	0	0	0	0
162 Paper Mills, Except Building Paper	0	0	0	0	0.135	0
163 Paperboard Mills	0	0	0	0	0	0
164 Paperboard Containers and Boxes	24.809	25.731	26.367	29.948	25.841	29.022
165 Paper Coated & Laminated Packaging	0	0	0	0	0	0
166 Paper Coated & Laminated N.E.C.	0	0	0	0	0	0
167 Bags, Plastic	5.537	7.391	7.789	8.599	4.882	5.83
168 Bags, Paper	2.253	1.875	1.975	1.097	1.687	1.843
169 Die-cut Paper and Board	0	0	0	0	0.05	0.083
170 Sanitary Paper Products	0	0	0	0	0	0.082
171 Envelopes	1.944	2.263	2.364	3.6	2.805	3.305
172 Stationery Products	0	0	0	0	0	0
173 Converted Paper Products, N.E.C	1.43	3.813	3.937	3.829	2.95	2.913
174 Newspapers	79.365	78.059	80.937	68.399	46.505	50.576
175 Periodicals	65.811	70.868	75.768	78.989	63.671	69.222
176 Book Publishing	3.205	3.264	3.348	7.179	6.099	9.052
177 Book Printing	0	0	0	0	0	0.073
178 Miscellaneous Publishing	17.777	17.4	18.742	15.61	15.593	18.421
179 Commercial Printing	44.018	49.7	50.81	52.046	39.068	39.046
180 Manifold Business Forms	0.775	0.499	0.495	0.381	2.712	2.454
181 Greeting Card Publishing	0	0	0	0	0	0
182 Blankbooks and Looseleaf Binder	0.763	0.594	0.586	0.587	0.397	0.415
183 Bookbinding & Related	0.078	0.012	0.012	0.012	0.009	0.009
184 Typesetting	7.521	7.437	7.316	9.355	9.855	8.935
185 Plate Making	2.776	3.37	3.38	4.164	3.535	2.664
186 Alkalies & Chlorine	0	0	0	0	0	0
187 Industrial Gases	0.379	0.23	0.247	1.072	0.518	0.499
188 Inorganic Pigments	0.938	0.34	0.343	1.363	0.357	0.708
189 Inorganic Chemicals Nec.	14.731	0.919	0.993	1.083	0.742	1.02
190 Cyclic Crudes, Interm. & Indus. Organic Chem.	0.071	0.047	0.054	0.157	0.071	0
191 Plastics Materials and Resins	0.091	0.099	0.105	0.613	0.282	0
192 Synthetic Rubber	0.605	0	0	0	0	0

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
193 Cellulosic Man-made Fibers	0	0	0	0	0	0.006
194 Organic Fibers, Noncellulosic	0.303	0.102	0.093	0	0	0
195 Drugs	2.652	3.117	3.781	21.383	4.619	5.654
196 Soap and Other Detergents	0.439	0.458	0.532	0.495	0.293	0.305
197 Polishes and Sanitation Goods	7.286	6.029	6.361	6.751	4.982	5.661
198 Surface Active Agents	0	0	0	0	0	0
199 Toilet Preparations	3.704	3.564	4.266	4.649	2.422	2.599
200 Paints and Allied Products	5.046	5.366	5.768	7.237	3.174	2.455
201 Gum and Wood Chemicals	0	0	0	0	0	0
202 Nitrogenous and Phosphatic Fertilizers	69.304	72.759	76.446	71.558	64.894	71.277
203 Fertilizers, Mixing Only	2.775	5.474	5.592	4.65	2.459	3.048
204 Agricultural Chemicals, N.E.C	0.872	0.45	0.486	0.344	0.156	0.163
205 Adhesives and Sealants	0.612	1.431	1.678	7.124	1.234	0.147
206 Explosives	0	0	0	0	0	0
207 Printing Ink	0.999	3.477	4.051	1.872	0.898	1.065
208 Carbon Black	0	0	0	0	0	0
209 Chemical Preparations, N.E.C	3.609	1.045	1.182	6.582	1.17	0.28
210 Petroleum Refining	0.305	0	0	0	0.037	0.006
211 Paving Mixtures and Blocks	6.814	4.471	8.429	7.371	9.212	12.224
212 Asphalt Felts and Coatings	7.204	9.791	14.979	10.779	16.12	13.48
213 Lubricating Oils and Greases	7.458	8.965	12.13	4.203	4.108	5.897
214 Petroleum and Coal Products, N.E.C.	0	0	0	0	0	0
215 Tires and Inner Tubes	0	0	0	0	0	0
216 Rubber and Plastics Footwear	0	0	0	0	0	0
217 Rubber and Plastics and Belting	0	0	0	0	0	0.053
218 Gaskets, Packing and Sealing Devices	2.151	1.288	1.365	0.611	0.192	0.081
219 Fabricated Rubber Products, N.E.C.	6.266	6.57	6.66	7.449	5.591	6.255
220 Miscellaneous Plastics Products	24.195	27.846	28.68	36.421	29.635	28.638
221 Leather Tanning and Finishing	0	0	0	0	0	0
222 Footwear Cut Stock	0	0	0	0	0	0
223 House Slippers	0	0	0	0	0	0
224 Shoes, Except Rubber	0.409	0.149	0.146	0	0	0
225 Leather Gloves and Mittens	0	0	0	0	0	0
226 Luggage	0.011	0.029	0.029	0.034	0.095	0.079
227 Womens Handbags and Purses	0	0	0	0	0	0
228 Personal Leather Goods	0	0	0	0	0	0
229 Leather Goods, N.E.C	0.05	0.193	0.178	0.397	0.278	0.188
230 Glass and Glass Products, Exc Containers	4.268	4.114	4.825	14.977	10.464	7.922
231 Glass Containers	0	0	0	0	0.091	5.873
232 Cement, Hydraulic	2.521	1.921	2.407	5.446	3.121	3.079
233 Brick and Structural Clay Tile	1.415	1.448	1.47	1.414	1.682	2.564
234 Ceramic Wall and Floor Tile	1.223	0	0	0	0	0
235 Clay Refractories	0.036	0.086	0.085	0.082	0	0
236 Structural Clay Products, N.E.C	0.137	0.853	0.858	0	0	0
237 Vitreous Plumbing Fixtures	0	0	0	0	0	0
238 Vitreous China Food Utensils	0	0	0	0	0	0
239 Fine Earthenware Food Utensils	0.078	0.044	0.084	0.099	0.131	0.039
240 Porcelain Electrical Supplies	0	0	0	0	0	0
241 Pottery Products, N.E.C	0	0	0	0	0.033	0
242 Concrete Block and Brick	10.599	12.572	15.294	14.459	9.493	11.984
243 Concrete Products, N.E.C	18.932	20.694	24.896	30.002	26.538	22.245
244 Ready-mixed Concrete	11.72	12.457	15.106	15.371	8.82	9.324
245 Lime	0	0	0	0	0	0
246 Gypsum Products	19.687	27.76	31.068	32.641	52.599	70.818
247 Cut Stone and Stone Products	0.371	0.311	0.401	1.083	0.908	0.971
248 Abrasive Products	0.035	0.03	0.039	0	0.006	0.133
249 Asbestos Products	0	0	0	0	0	0
250 Minerals, Ground Or Treated	3.43	2.702	3.427	4.091	0.571	0.365
251 Mineral Wool	0.075	0.19	0.247	0.333	0.888	0.784
252 Nonclay Refractories	0	0	0	0	0	0
253 Nonmetallic Mineral Products, N.E.C.	0.168	0.321	0.441	0.487	0	0.039
254 Blast Furnaces and Steel Mills	19.025	9.323	9.259	17.055	9.706	10.866
255 Electrometallurgical Products	0	0	0	0	0	0
256 Steel Wire and Related Products	7.251	7.223	7.73	1.579	1.044	0.947
257 Cold Finishing Of Steel Shapes	0	0	0	0	0.077	0.043
258 Steel Pipe and Tubes	0	0	0	0	0	0

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
259 Iron and Steel Foundries	4.03	2.91	3.326	4.344	4.096	6.234
260 Primary Copper	0	0	0	0	0	0
261 Primary Aluminum	0	0	0	0	0	0
262 Primary Nonferrous Metals, N.E.C.	0	0	0	0	0	0
263 Secondary Nonferrous Metals	2.304	3.091	3.415	4.768	3.738	7.497
264 Copper Rolling and Drawing	0	0	0	0	0	0
265 Aluminum Rolling and Drawing	20.543	21.758	23.667	16.569	17.488	16.737
266 Nonferrous Rolling and Drawing, N.E.C.	0.118	0.149	0.165	0.152	0.164	0.211
267 Nonferrous Wire Drawing and Insulating	0	0	0	0	0	0
268 Aluminum Foundries	1.88	1.514	1.661	1.181	1.276	1.382
269 Brass, Bronze, and Copper Foundries	0	0	0	0	0	0
270 Nonferrous Castings, N.E.C.	2.158	1.587	1.853	3.486	1.133	1.152
271 Metal Heat Treating	1.618	0.581	0.642	0.761	0.934	0.896
272 Primary Metal Products, N.E.C.	0	0	0	0	0	0
273 Metal Cans	26.367	28.204	26.812	22.308	22.515	19.807
274 Metal Barrels, Drums and Pails	0	0	0	0	0	0
275 Cutlery	0	0	0	0	0	0
276 Hand and Edge Tools, N.E.C.	0	0	0	0	0	0
277 Hand Saws and Saw Blades	1.678	2.864	2.95	1.805	0	0
278 Hardware, N.E.C.	0.145	0.158	0.152	0.149	1.482	1.19
279 Metal Sanitary Ware	0	0	0	0	0	0
280 Plumbing Fixture Fittings and Trim	0	2.705	2.683	2.742	1.936	1.339
281 Heating Equipment, Except Electric	0	0	0	0	0	0
282 Fabricated Structural Metal	10.918	13.857	14.147	14.174	11.76	17.296
283 Metal Doors, Sash, and Trim	11.296	11.886	12.131	14.408	14.164	16.951
284 Fabricated Plate Work (Boiler Shops)	21.522	21.181	20.862	23.402	8.549	8.78
285 Sheet Metal Work	10.248	10.066	10.178	8.142	5.878	6.679
286 Architectural Metal Work	2.072	1.084	1.114	2.042	2.306	2.259
287 Prefabricated Metal Buildings	2.123	2.349	2.348	5.522	5.194	5.75
288 Miscellaneous Metal Work	1.578	1.822	1.495	2.112	2.361	1.882
289 Screw Machine Products and Bolts, Etc.	2.05	0	0	0	0	0
290 Iron and Steel Forgings	7.286	4.601	4.536	2.94	3.63	2.975
291 Nonferrous Forgings	0	0	0	0	0	0
292 Automotive Stampings	0	0	0	0	0	0
293 Crowns and Closures	0	0	0	0	0	0
294 Metal Stampings, N.E.C.	5.738	7.279	7.499	7.042	4.922	3.744
295 Plating and Polishing	1.701	1.826	1.818	2.033	1.45	1.721
296 Metal Coating and Allied Services	0.977	0.93	0.891	0.549	0.332	0.386
297 Small Arms Ammunition	0	0	0	0	0	0
298 Ammunition, Except For Small Arms, N.E.C.	0	0	0	0	0.714	0.64
299 Small Arms	0	0	0	0	0	0
300 Other Ordnance and Accessories	2.982	2.864	2.51	0	0	0
301 Industrial and Fluid Valves	13.871	13.842	14.56	9.794	6.637	13.826
302 Steel Springs, Except Wire	0	0	0	0	0	0
303 Pipe, Valves, and Pipe Fittings	0.2	1.457	1.297	2.049	5.323	1.527
304 Miscellaneous Fabricated Wire Products	12.517	11.509	11.987	7.075	5.948	6.979
305 Metal Foil and Leaf	0	0	0	0	0	0
306 Fabricated Metal Products, N.E.C.	1.341	1.823	1.82	2.773	2.163	2.89
307 Steam Engines and Turbines	0	0	0	0	0.01	0.048
308 Internal Combustion Engines, N.E.C.	0	0	0	0	0	0.069
309 Farm Machinery and Equipment	2.049	2.334	2.329	2.513	2.992	2.002
310 Lawn and Garden Equipment	0.028	0.029	0.028	0.08	0.118	0
311 Construction Machinery and Equipment	0	0	0	0	0.165	0.053
312 Mining Machinery, Except Oil Field	0	0	0	0	0	0
313 Oil Field Machinery	0	0	0	0	0.006	0
314 Elevators and Moving Stairways	0	0	0	0	0	0
315 Conveyors and Conveying Equipment	0.085	0	0	0	0	0
316 Hoists, Cranes, and Monorails	0	0	0	0	0	0
317 Industrial Trucks and Tractors	0.152	0.237	0.222	0.281	0.565	0.643
318 Machine Tools, Metal Cutting Types	0.062	0.688	0.754	0.668	0.716	0.843
319 Machine Tools, Metal Forming Types	0.063	0	0	0	0	0
320 Industrial Patterns	0	0	0	0	0	0
321 Special Dies and Tools and Accessories	0.516	0.574	0.554	0.477	0.241	0.909
322 Power Driven Hand Tools	0	0	0	0	0.326	0.17
323 Rolling Mill Machinery	0	0	0	0	0.274	0
324 Welding Apparatus	0	0	0	0	0	0

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
325 Metalworking Machinery, N.E.C.	0	0.021	0.021	0.047	0.092	0.104
326 Textile Machinery	0	0	0	0	0.046	0.131
327 Woodworking Machinery	0.021	0	0	0	0.065	0.159
328 Paper Industries Machinery	0	0	0	0	0	0
329 Printing Trades Machinery	0.227	0.147	0.134	0.728	0.736	0.723
330 Food Products Machinery	0.704	0.916	0.875	0.672	0.556	0.97
331 Special Industry Machinery N.E.C.	7.687	9.706	9.731	10.707	11.073	28.947
332 Pumps and Compressors	2.822	1.773	1.661	1.815	2.684	2.888
333 Ball and Roller Bearings	0.367	0.74	0.717	9.489	4.89	2.554
334 Blowers and Fans	1.727	1.153	1.095	1.275	1.359	1.28
335 Packaging Machinery	3.141	5.194	5.088	6.384	6.963	5.651
336 Power Transmission Equipment	0.279	0.313	0.297	0.245	0.358	0.313
337 Industrial Furnaces and Ovens	0	0	0	0	0.12	0.121
338 General Industrial Machinery, N.E.C	1.538	0.513	0.508	0.283	0.234	1.029
339 Electronic Computers	0	0.975	1.005	0.204	0.256	0.196
340 Computer Storage Devices	2.523	1.174	1.15	3.921	0	0
341 Computer Terminals	0	1.148	1.15	2.736	0.347	0.183
342 Computer Peripheral Equipment,	1.682	1.014	1.073	1.159	0.323	0
343 Calculating and Accounting Machines	0	0	0	0	0	0
344 Typewriters and Office Machines N.E.C.	0	1.067	1.048	1.785	0.232	0.212
345 Automatic Merchandising Machine	0	0	0	0	0	0
346 Commercial Laundry Equipment	4.775	3.588	3.611	2.916	5.098	4.243
347 Refrigeration and Heating Equipment	2.44	2.143	1.824	1.859	1.526	1.362
348 Measuring and Dispensing Pumps	0	0	0	0	0	0
349 Service Industry Machines, N.E.C.	8.213	7.817	7.233	5.32	6.737	8.477
350 Carburetors, Pistons, Rings, Valves	0	0	0	0	0	0
351 Fluid Power Cylinders & Actuators	0.481	0.527	0.496	1	0.643	0.795
352 Fluid Power Pumps & Motors	0	0	0	0	0	0
353 Scales and Balances	0	0	0	0	0	0
354 Industrial Machines N.E.C.	9.257	11.19	11.003	9.253	7.157	10.327
355 Transformers	0.275	1.541	1.608	1.463	0.795	0.264
356 Switchgear and Switchboard Apparatus	3.606	0.479	0.495	0.965	0.406	0.313
357 Motors and Generators	0	0	0	0	0	0
358 Carbon and Graphite Products	0	0	0	0	0	0
359 Relays & Industrial Controls	1.85	1.736	1.85	0.893	0.704	1.22
360 Electrical Industrial Apparatus, N.E.C.	0	0	0	0	0	0
361 Household Cooking Equipment	0	0	0	0	0.022	0
362 Household Refrigerators and Freezers	0.125	0.313	0.328	0.589	0	0
363 Household Laundry Equipment	0	0	0	0	0	0
364 Electric Housewares and Fans	0	0	0	0	1.137	0.426
365 Household Vacuum Cleaners	0	0	0	0	0	0
366 Household Appliances, N.E.C.	0	0.175	0.173	0.374	0.075	0.074
367 Electric Lamps	0	0	0	0	0	0
368 Wiring Devices	0	1.404	1.418	1.338	2.28	3.431
369 Lighting Fixtures and Equipment	2.94	4.958	5.291	4.568	7.56	8.102
370 Radio and TV Receiving Sets	0	0.156	0.17	0.295	0.169	0.127
371 Phonograph Records and Tape	0	0	0	0	0	0
372 Telephone and Telegraph Apparatus	9.335	14.274	14.136	14.171	4.017	4.581
373 Radio and Tv Communication Equipment	29.907	34.634	37.28	26.926	14.779	15.086
374 Communications Equipment N.E.C.	3.757	3.029	3.012	2.832	1.561	1.323
375 Electron Tubes	0	0	0	0	0.012	0.024
376 Printed Circuit Boards	17.078	13.265	12.885	18.106	11.235	14.396
377 Semiconductors and Related Devices	0	0.564	0.544	0.643	0.314	0.39
378 Electronic Components, N.E.C.	13.891	13.945	14.189	17.068	9.542	12.038
379 Storage Batteries	13.462	11.667	11.944	10.305	7.328	7.297
380 Primary Batteries, Dry and Wet	0	0	0	0	0	0
381 Engine Electrical Equipment	0	0	0	0	0	0
382 Magnetic & Optical Recording Media	0	0	0	0	0	0
383 Electrical Equipment, N.E.C.	29.677	34.909	33.226	29.16	17.027	21.061
384 Motor Vehicles	0	6.036	7.089	0	0	0
385 Truck and Bus Bodies	0.756	0.582	0.637	0.768	1.265	1.373
386 Motor Vehicle Parts and Accessories	12.418	11.286	12.881	19.733	9.386	12.479
387 Truck Trailers	2.228	0.254	0.315	0.325	0.278	0.418
388 Motor Homes	0	0	0	0	0	0
389 Aircraft	0	0	0	0	0.045	0.046
390 Aircraft and Missile Engines and Parts	6.395	6.785	7.556	6.101	2.916	2.449

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
391 Aircraft and Missile Equipment,	0.345	0.125	0.138	1.431	0.541	0.546
392 Ship Building and Repairing	25.166	28.664	29.732	45.34	23.83	36.563
393 Boat Building and Repairing	1.245	1.161	1.246	1.714	0.935	1.141
394 Railroad Equipment	0	0	0	0	0	0
395 Motorcycles, Bicycles, and Parts	0	0	0	0	0	0
396 Complete Guided Missiles	0.237	0.254	0.269	0.484	0.326	0
397 Travel Trailers and Camper	0	0	0	0	0	0
398 Tanks and Tank Components	0	0	0	0	0	0
399 Transportation Equipment, N.E.C	0	0.379	0.409	1.288	0.787	1.382
400 Search & Navigation Equipment	0.345	0	0	0	0.437	0.52
401 Laboratory Apparatus & Furniture	0	0	0	0	0	0
402 Automatic Temperature Controls	0.415	0	0	0	0	0
403 Mechanical Measuring Devices	1.434	0.035	0.042	0.048	0.188	0.27
404 Instruments To Measure Electricity	1.285	1.842	2.343	2.726	6.86	4.86
405 Analytical Instruments	0	0	0	0	0	0
406 Optical Instruments & Lenses	0	0	0	0	0	0
407 Surgical and Medical Instrument	14.994	14.729	18.841	18.052	22.448	16.548
408 Surgical Appliances and Supplies	0.494	0.616	0.775	2.753	4.795	7.216
409 Dental Equipment and Supplies	0.069	0.086	0.117	0.451	0	0
410 X-Ray Apparatus	0	0	0	0	0.015	0.048
411 Electromedical Apparatus	0.735	0.747	0.941	2.847	0.556	0.776
412 Ophthalmic Goods	3.405	3.704	4.366	3.752	4.025	5.352
413 Photographic Equipment and Supplies	0	0	0	0	0.058	0.033
414 Watches, Clocks, and Parts	0	0	0	0	0	0
415 Jewelry, Precious Metal	0.944	0.073	0.071	0.054	0.072	0
416 Silverware and Plated Ware	0	0	0	0	0	0
417 Jewelers Materials and Lapidary Work	0.028	0.011	0.013	0.014	0.031	0.034
418 Musical Instruments	0	0	0	0	0	0.13
419 Dolls	0.004	0.041	0.03	0.028	0.033	0.019
420 Games, Toys, and Childrens Vehicles	0.031	0.07	0.059	0.047	0.03	0.057
421 Sporting and Athletic Goods, N.E.C.	1.337	1.369	1.25	1.526	1.596	2.063
422 Pens and Mechanical Pencils	0	0	0	0	0	0
423 Lead Pencils and Art Goods	0	0	0	0	0.066	0.034
424 Marking Devices	0.169	1.249	1.073	1.259	2.245	0.814
425 Carbon Paper and Inked Ribbons	0	0	0	0	0	0
426 Costume Jewellery	0	0	0	0	0.03	0.018
427 Fasteners, Buttons, Needles, Pins	0	0	0	0	0	0
428 Brooms and Brushes	2.163	2.168	2.095	1.682	1.9	3.379
429 Signs and Advertising Displays	7.201	6.678	6.28	7.507	8.899	10.262
430 Burial Caskets and Vaults	0.924	0.339	0.352	0	0	0
431 Hard Surface Floor Coverings	0	0	0	0	0	0
432 Manufacturing Industries, N.E.C.	1.234	3.934	3.961	3.723	4.148	7.696
433 Railroads and Related Services	54.644	50.906	50.379	51.281	54.906	49.133
434 Local, Interurban Passenger Transit	10.002	12.378	9.998	8.864	8.985	8.885
435 Motor Freight Transport and Warehousing	207.027	203.129	205.477	242.217	184.764	158.444
436 Water Transportation	80.43	83.033	89.916	85.394	65.305	103.574
437 Air Transportation	175.81	210.684	213.867	236.966	272.245	235.632
438 Pipe Lines, Except Natural Gas	1.349	2.033	1.738	1.051	1.449	1.47
439 Arrangement Of Passenger Transportation	21.951	22.877	22.763	28.795	25.86	36.55
440 Transportation Services	20.824	19.157	18.858	27.84	28.596	43.775
441 Communications, Except Radio and TV	288.782	343.843	382.823	368.66	387.901	403.901
442 Radio and TV Broadcasting	50.664	56.661	59.142	68.86	61.138	54.083
443 Electric Services	151.025	141.259	157.989	164.337	167.657	152.514
444 Gas Production and Distribution	15.929	14.305	13.503	17.535	12.154	11.8
445 Water Supply and Sewerage Systems	0.192	0.356	0.417	0.295	0.328	0.239
446 Sanitary Services and Steam Supply	21.468	27.707	32.618	27.528	26.259	25.322
447 Wholesale Trade	1,634.75	1,646.13	1,742.65	1,808.57	1,378.30	1,487.77
448 Building Materials & Gardening	86.518	87.657	87.715	129.582	77.326	72.56
449 General Merchandise Stores	162.148	160.189	157.03	148.785	145.266	153.285
450 Food Stores	238.987	248.488	217.661	259.79	267.826	306.982
451 Automotive Dealers & Service Stations	279.988	306.683	303.15	357.26	287.237	308.725
452 Apparel & Accessory Stores	41.628	39.726	39.789	41.017	38.714	45.534
453 Furniture & Home Furnishings Stores	121.616	126.849	119.215	131.886	85.448	83.34
454 Eating & Drinking	393.322	432.297	398.073	469.574	408.796	404.089
455 Miscellaneous Retail	276.73	416.537	411.461	525.942	335.977	371.119
456 Banking	208.065	284.049	329.618	409.487	293.699	316.376

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
457 Credit Agencies	243.228	264.266	330.592	393.642	396.354	468.462
458 Security and Commodity Brokers	144.185	177.101	207.073	219.582	196.858	251.783
459 Insurance Carriers	528.21	545.596	601.963	527.087	788.166	803.42
460 Insurance Agents and Brokers	166.874	188.388	205.598	221.758	150.249	127.429
461 Owner-occupied Dwellings	0	0	0	0	0	0
462 Real Estate	156.464	161.704	178.131	184.046	137.828	127.198
463 Hotels and Lodging Places	110.477	126.071	118.706	127.492	94.591	109.619
464 Laundry, Cleaning and Shoe Repair	33.339	34.668	38.289	41.052	31.849	39.578
465 Portrait and Photographic Studios	3.005	3.888	4.176	4.837	3.825	2.642
466 Beauty and Barber Shops	24.366	27.422	30.316	29.618	21.863	21.895
467 Funeral Service and Crematories	12.108	11.43	12.652	13.392	11.008	7.243
468 Miscellaneous Personal Services	9.544	10.137	11.732	14.752	11.259	13.798
469 Advertising	43.227	52.81	60.439	61.029	23.939	23.582
470 Other Business Services	96.042	153.69	172.846	197.461	101.356	83.178
471 Photofinishing, Commercial Photography	28.639	29.71	32.668	20.094	13.96	14.459
472 Services To Buildings	42.718	58.179	61.859	58.968	30.359	33.354
473 Equipment Rental and Leasing	29.497	39.734	43.398	44.54	27.191	27.451
474 Personnel Supply Services	844.204	907.112	1,061.54	1,375.11	945.559	1,199.12
475 Computer and Data Processing Services	403.259	552.227	745.955	723.311	552.37	459.291
476 Detective and Protective Services	51.951	65.346	54.042	74.316	55.416	54.595
477 Automobile Rental and Leasing	52.393	60.908	60.735	69.252	62.234	73.146
478 Automobile Parking and Car Wash	6.321	7.8	7.823	8.594	7.215	7.87
479 Automobile Repair and Services	65.268	73.614	74.261	83.295	74.765	82.22
480 Electrical Repair Service	23.915	24.786	22.844	24.6	16.246	21.404
481 Watch, Clock, Jewelry and Furniture Repair	1.61	1.817	1.656	1.701	1.482	1.425
482 Miscellaneous Repair Shops	43.098	48.728	44.513	45.843	39.569	34.541
483 Motion Pictures	16.778	26.466	48.669	89.672	32.928	19.97
484 Theatrical Producers, Bands Etc.	7.393	10.191	12.059	15.142	11.923	15.043
485 Bowling Alleys and Pool Halls	2.237	2.077	2.151	1.981	1.287	1.279
486 Commercial Sports Except Racing	61.721	83.125	78.116	172.232	207.769	194.289
487 Racing and Track Operation	3.241	3.297	3.559	6.924	5.256	5.048
488 Amusement and Recreation Services, N.E.C.	71.067	78.21	87.203	107.19	81.431	82.071
489 Membership Sports and Recreation Clubs	26.379	28.47	31.163	34.194	24.55	23.35
490 Doctors and Dentists	647.47	684.004	673.282	704.749	561.825	575.491
491 Nursing and Protective Care	67.883	81.216	80.419	87.888	76.973	81.113
492 Hospitals	482.322	481.946	455.061	485.117	480.44	467.731
493 Other Medical and Health Services	156.552	183.891	183.89	201.96	166.059	183.572
494 Legal Services	393.49	214.267	449.821	454.629	313.829	367.829
495 Elementary and Secondary Schools	28.888	33.091	35.579	36.222	24.598	25.685
496 Colleges, Universities, Schools	30.126	32.441	34.764	40.333	34.334	36.451
497 Other Educational Services	26.125	33.733	36.787	43.263	32.478	32.985
498 Job Trainings & Related Services	18.139	21.74	23.735	26.476	27.375	29.103
499 Child Day Care Services	32.844	36.522	40.378	40.084	45.009	47.868
500 Social Services, N.E.C.	59.171	66.852	72.181	63.83	77.604	99.074
501 Residential Care	51.315	55.776	61.756	64.461	64.417	57.028
502 Other Nonprofit Organizations	58.721	59.712	59.829	30.44	72.269	76.444
503 Business Associations	24.967	27.892	25.258	38.696	59.663	75.936
504 Labor and Civic Organizations	26.999	29.469	30.77	42.32	52.588	49.199
505 Religious Organizations	34.475	33.972	35.44	23.46	18.668	16.091
506 Engineering, Architectural Services	263.659	261.698	282.641	301.236	257.476	298.36
507 Accounting, Auditing and Bookkeeping	134.108	220.922	246.424	271.344	224.587	360.177
508 Management and Consulting Services	177.367	204.449	231.446	269.095	232.27	293.356
509 Research, Development & Testing Services	34.186	32.786	35.289	41.14	35.033	46.052
510 Local Government Passenger Transit	20.247	24.928	10.296	10.514	11.008	11.574
511 State and Local Electric Utilities	0	0	0	0	0	0
512 Other State and Local Govt Enterprises	68.187	69.62	67.603	69.036	72.277	75.997
513 U.S. Postal Service	242.366	266.537	268.335	274.732	280.681	301.311
514 Federal Electric Utilities	0	0	0	0	0	0
515 Other Federal Government Enterprises	11.747	11.745	14.276	14.616	14.933	16.03
516 Noncomparable Imports	0	0	0	0	0	0
517 Scrap	0	0	0	0	0	0
518 Used and Secondhand Goods	0	0	0	0	0	0
519 Federal Government - Military	334.688	375.213	426.42	455.973	449.03	458.081
520 Federal Government - Non-Military	388.138	412.253	409.8	412.796	442.974	459.914
521 Commodity Credit Corporation	0	0	0	0	0	0
522 State & Local Government - Education	787.054	811.328	1,326.93	1,121.92	1,126.83	1,206.32

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
523 State & Local Government - Non-Education	958.602	977.693	654.52	971.168	971.389	1,034.68
524 Rest Of The World Industry	-9.517	-9.243	0	0	0	0
525 Domestic Services	50.341	51.352	52.05	58.434	58.792	59.746
526 Dummy	0	0	0	0	0	0
527 Dummy	0	0	0	0	0	0
528 Inventory Valuation Adjustment	0	0	0	0	0	0
Totals	15,834.12	17,069.75	18,466.21	20,025.67	17,266.99	18,578.86

*Millions of dollars

Value-Added

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
1 Dairy Farm Products	12.372	13.735	10.512	12.708	16.565	17.213
2 Poultry and Eggs	7.711	8.373	8.059	9.151	12.818	12.362
3 Ranch Fed Cattle	5.809	3.922	5.302	5.844	8.928	11.507
4 Range Fed Cattle	1.141	0.871	1.263	1.314	1.612	2.674
5 Cattle Feedlots	0.694	0.382	0.185	0.189	0.266	0.423
6 Sheep, Lambs and Goats	0.024	0.02	0.008	0.01	0.01	0.012
7 Hogs, Pigs and Swine	0.317	0.267	0.342	0.167	0.349	0.33
8 Other Meat Animal Products	0.03	0	0	0	0	0
9 Miscellaneous Livestock	23.403	23.646	36.765	42.475	51.922	45.195
10 Cotton	0	0	0	0	0	0
11 Food Grains	0	0	0	0	0	0
12 Feed Grains	0	0	0.017	0.017	0.035	0.03
13 Hay and Pasture	1.178	1.179	2.511	2.548	3.585	3.759
14 Grass Seeds	0.45	0.504	0.486	0.414	0.835	0.789
15 Tobacco	0	0	0	0	0	0
16 Fruits	73.31	84.422	65.391	57.909	67.383	76.33
17 Tree Nuts	0	0	0	0	0.105	0.128
18 Vegetables	51.776	57.595	66.445	67.332	78.241	85.686
19 Sugar Crops	0	0	0	0	0	0
20 Miscellaneous Crops	0.514	0.486	0	0	1.16	1.025
21 Oil Bearing Crops	0	0	0.016	0.013	0.026	0.02
22 Forest Products	0.197	0.596	0.978	0.818	1.261	1.212
23 Greenhouse and Nursery Products	72.273	84.471	91.27	83.875	122.988	135.941
24 Forestry Products	2.431	0.311	0.326	0.119	6.66	4.68
25 Commercial Fishing	13.908	16.107	20.602	8.505	3.74	2.846
26 Agricultural, Forestry, Fishery Services	48.99	37.004	35.572	38.749	26.988	25.9
27 Landscape and Horticultural Services	52.21	47.543	45.195	72.268	67.545	76.264
28 Iron Ores	0	0	0	0	0	0
29 Copper Ores	0	0	0	0	0	0
30 Lead and Zinc Ores	0	0	0	0	0	0
31 Gold Ores	0	0	0	0	0	0
32 Silver Ores	0	0	0	0	0	0
33 Ferroalloy Ores, Except Vanadium	0	0	0	0	0	0
34 Metal Mining Services	0	0	0	0	0	0.229
35 Uranium-radium-vanadium Ores	0	0	0	0	0	0
36 Metal Ores, Not Elsewhere Classified	0	0	0.08	0	0	0
37 Coal Mining	0	0	0	0	0	0
38 Natural Gas & Crude Petroleum	0	0	0	0	0	2.531
39 Natural Gas Liquids	0	0	0	0	0	0
40 Dimension Stone	0	0.313	0.365	0	0.074	0.885
41 Sand and Gravel	0	0.162	0.213	1.497	0.451	4.83
42 Clay, Ceramic, Refractory Minerals, N.E.C.	0	0	0	0	0	0
43 Potash, Soda, and Borate Minerals	0	0	0	0	0	0
44 Phosphate Rock	0	0	0	0	0.292	3.346
45 Chemical, Fertilizer Mineral Mining, N.E.C.	0	0	0	0	0.228	0
46 Nonmetallic Minerals (Except Fuels) Service	0	0	0	0	0	0
47 Misc. Nonmetallic Minerals, N.E.C.	0.802	0.025	0.037	0.251	0.069	0.814
48 New Residential Structures	332.7	351.971	373.421	439.913	334.046	380.672
49 New Industrial and Commercial Buildings	175.153	187.704	200.251	234.366	182.157	194.307
50 New Utility Structures	49.109	52.043	55.006	62.739	50.226	54.044
51 New Highways and Streets	55.274	57.552	61.341	72.261	56.867	61.035
52 New Farm Structures	0	0	0	0	0	0
53 New Mineral Extraction Facilities	0	0	0	0	0	0

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
54 New Government Facilities	213.387	225.986	239.431	286.043	225.029	241.038
55 Maintenance and Repair, Residential	124.379	132.299	140.395	147.189	115.778	144.314
56 Maintenance and Repair Other Facilities	287.978	307.932	326.821	355.058	278.477	319.176
57 Maintenance and Repair Oil and Gas Wells	0.154	3.078	1.738	0.46	0.355	1.215
58 Meat Packing Plants	51.526	37.502	36.215	33.712	32.508	33.168
59 Sausages and Other Prepared Meats	0.118	0	0	0	0	0
60 Poultry Processing	0	0.793	0.779	0.601	0.869	0
61 Creamery Butter	0	0	0	0	0	0
62 Cheese, Natural and Processed	0	0	0	0	0	0
63 Condensed and Evaporated Milk	0.091	0.044	0.13	0	0	0
64 Ice Cream and Frozen Desserts	0	0	0	0	0.039	0.107
65 Fluid Milk	6.343	6.44	6.153	6.579	2.776	3.318
66 Canned Specialties	0.855	0.437	0.336	0.186	0.479	0
67 Canned Fruits and Vegetables	2.783	1.812	1.583	0.837	4.257	3.049
68 Dehydrated Food Products	0.248	0.517	0.496	0.299	0.284	0.251
69 Pickles, Sauces, and Salad Dressings	0.282	0.342	0.264	0.312	0	0
70 Frozen Fruits, Juices and Vegetables	0	0	0	0	0	0
71 Frozen Specialties	15.43	13.481	10.704	8.857	11.297	10.705
72 Flour and Other Grain Mill Products	4.28	0.839	0.87	0.515	0.795	1.58
73 Cereal Preparations	0	0	0	0	0	0
74 Rice Milling	0	0	0	0	0	0
75 Blended and Prepared Flour	0	0	0	0	0	0
76 Wet Corn Milling	0	0	0	0	0	0
77 Dog, Cat, and Other Pet Food	0.836	0.265	0.201	0.173	0	0
78 Prepared Feeds, N.E.C	2.397	1.901	1.866	1.93	1.342	1.556
79 Bread, Cake, and Related Products	10.829	10.706	9.949	10.887	16.702	21.19
80 Cookies and Crackers	9.718	10.253	8.87	9.858	16.24	19.522
81 Sugar	0	0	0	0	0	0
82 Confectionery Products	6.358	6.005	6.687	7.302	2.87	2.581
83 Chocolate and Cocoa Products	0	0	0	0	0	0
84 Chewing Gum	0	0	0	0	0	0
85 Salted and Roasted Nuts & Seeds	0	0	0	0	0	0
86 Cottonseed Oil Mills	0	0	0	0	0	0
87 Soybean Oil Mills	0	0	0	0	0	0
88 Vegetable Oil Mills, N.E.C	0	0	0	0	0	0
89 Animal and Marine Fats and Oils	1.705	2.237	1.68	1.45	1.77	1.914
90 Shortening and Cooking Oils	0	0	0	0	0	0
91 Malt Beverages	143.531	70.192	56.349	18.783	15.561	7.643
92 Malt	0	0	0	0	0	0
93 Wines, Brandy, and Brandy Spirits	0	0	0	0	0	0
94 Distilled Liquor, Except Brandy	0	0	0	0	0	0
95 Bottled and Canned Soft Drinks & Water	54.319	59.061	55.535	68.917	110.289	125.64
96 Flavoring Extracts and Syrups, N.E.C.	9.507	11.363	9.402	4.072	2.032	2.049
97 Canned and Cured Sea Foods	0	0	0	0	0.158	0.175
98 Prepared Fresh Or Frozen Fish Or Seafood	45.832	46.324	44.605	24.993	39.217	43.254
99 Roasted Coffee	3.594	2.826	2.224	3.498	5.617	5.883
100 Potato Chips & Similar Snacks	2.047	3.474	3.156	3.393	5.23	6.169
101 Manufactured Ice	1.941	2.008	2.003	2.874	1.914	1.95
102 Macaroni and Spaghetti	0.212	0.189	0.18	0.242	0.368	0.166
103 Food Preparations, N.E.C	3.054	4.279	3.606	6.048	7.337	3.291
104 Cigarettes	0	0	0	0	0	0
105 Cigars	25.633	42.078	54.861	259.596	300.405	450.347
106 Chewing and Smoking Tobacco	0	0	0	0	0	0
107 Tobacco Stemming and Redrying	0	0	0	0	0	0
108 Broadwoven Fabric Mills and Finishing	0.137	0.026	0.026	0.079	0.042	0.033
109 Narrow Fabric Mills	0.015	0.072	0.085	0.057	0.013	0.01
110 Womens Hosiery, Except Socks	0	0	0	0	0	0
111 Hosiery, N.E.C	0	0	0	0	0	0
112 Knit Outerwear Mills	0.011	0.077	0.073	0	0	0
113 Knit Underwear Mills	0	0	0	0	0	0
114 Knit Fabric Mills	0	0	0	0	0	0
115 Knitting Mills, N.E.C.	0	0	0	0	0	0
116 Yarn Mills and Finishing Of Textiles, N.E.C.	0	0	0	0	0	0
117 Carpets and Rugs	0	0.087	0.083	0	0	0
118 Thread Mills	0	0	0	0	0	0
119 Coated Fabrics, Not Rubberized	0	0	0	0	0	0

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
120 Tire Cord and Fabric	0	0	0	0	0	0
121 Nonwoven Fabrics	0	0	0	0	0	0
122 Cordage and Twine	0.019	0.28	0.297	0.315	0.049	0.042
123 Textile Goods, N.E.C	0	0.134	0.163	0	0.008	0.004
124 Apparel Made From Purchased Materials	90.991	90.61	96.524	89.065	65.733	58.385
125 Curtains and Draperies	0.225	0.35	0.386	0	0	0
126 Housefurnishings, N.E.C	0	0	0	0	0.029	0.196
127 Textile Bags	0	0	0	0	0	0
128 Canvas Products	1.773	1.014	1.161	0.999	0.831	0.946
129 Pleating and Stitching	0.061	0.068	0.096	1.984	0.383	0.784
130 Automotive and Apparel Trimmings	0.975	0.792	0.94	2.545	1.914	3.404
131 Schiffl Machine Embroideries	0	0	0	0	0	0.059
132 Fabricated Textile Products, N.E.C.	5.476	6.017	7.12	5.15	4.276	2.61
133 Logging Camps and Logging Contractors	0.063	0	0	0	0	0.119
134 Sawmills and Planing Mills, General	0.041	0.04	0.038	0.033	0.003	0.005
135 Hardwood Dimension and Flooring Mills	0	0	0	0	0	0
136 Special Product Sawmills, N.E.C	0	0	0	0	0	0
137 Millwork	14.094	13.997	14.356	10.899	8.089	11.261
138 Wood Kitchen Cabinets	5.911	6.58	6.721	8.058	5.641	7.143
139 Veneer and Plywood	0	0	0	0	0	0
140 Structural Wood Members, N.E.C	2.143	2.541	2.691	15.555	10.492	9.435
141 Wood Containers	0	0	0	0	0.064	0.089
142 Wood Pallets and Skids	1.236	1.428	1.494	2.981	1.911	2.179
143 Mobile Homes	8.672	8.759	8.356	8.207	0.88	1.207
144 Prefabricated Wood Buildings	0	0	0	0	0	0
145 Wood Preserving	9.567	14.392	14.677	1.604	4.454	12.641
146 Reconstituted Wood Products	0.781	2.075	1.953	0.44	0.686	2.552
147 Wood Products, N.E.C	1.473	4.408	4.509	3.764	3.308	2.232
148 Wood Household Furniture	0.062	1.89	2.151	2.85	2.913	0.315
149 Upholstered Household Furniture	1.643	1.411	1.572	2.548	2.04	2.686
150 Metal Household Furniture	1.963	1.729	1.799	2.89	2.747	3.512
151 Mattresses and Bedspings	3.936	4.074	4.782	6.361	6.525	9.609
152 Wood Tv and Radio Cabinets	0	0	0	0	0	0
153 Household Furniture, N.E.C	0	0	0	0	0	0
154 Wood Office Furniture	0.472	0.368	0.431	0.633	0	0
155 Metal Office Furniture	4.951	7.474	8.211	9.575	5.942	6.438
156 Public Building Furniture	1.389	1.083	1.37	1.599	0.859	2.506
157 Wood Partitions and Fixtures	3.203	4.566	5.019	4.191	2.675	3.029
158 Metal Partitions and Fixtures	1.429	2.572	3.096	5.753	3.295	0
159 Blinds, Shades, and Drapery Hardware	6.699	7.132	8.12	7.843	5.561	5.675
160 Furniture and Fixtures, N.E.C	0	0.187	0.219	0.252	0.195	0
161 Pulp Mills	0	0	0	0	0	0
162 Paper Mills, Except Building Paper	0	0	0	0	0.23	0
163 Paperboard Mills	0	0	0	0	0	0
164 Paperboard Containers and Boxes	33.18	33.395	33.353	38.079	33.631	38.109
165 Paper Coated & Laminated Packaging	0	0	0	0	0	0
166 Paper Coated & Laminated N.E.C.	0	0	0	0	0	0
167 Bags, Plastic	9.712	12.523	12.992	14.304	8.361	10.189
168 Bags, Paper	4.035	3.204	2.709	1.785	2.788	3.16
169 Die-cut Paper and Board	0	0	0	0	0.069	0.114
170 Sanitary Paper Products	0	0	0	0	0	0.284
171 Envelopes	2.428	2.776	2.908	4.325	3.434	4.077
172 Stationery Products	0	0	0	0	0	0
173 Converted Paper Products, N.E.C	2.516	6.472	6.004	6.069	5.093	5.191
174 Newspapers	104.134	104.824	111.633	91.8	64.146	69.454
175 Periodicals	93.033	103.474	111.367	112.125	95.13	100.353
176 Book Publishing	5.395	5.784	6.412	12.69	11	16.153
177 Book Printing	0	0	0	0	0	0.096
178 Miscellaneous Publishing	29.512	30.194	33.326	26.119	28.081	32.169
179 Commercial Printing	54.387	62.537	64.717	64.823	50.273	50.372
180 Manifold Business Forms	1.105	0.738	0.759	0.561	4.005	3.64
181 Greeting Card Publishing	0	0	0	0	0	0
182 Blankbooks and Looseleaf Binder	1.045	0.845	0.869	0.824	0.586	0.626
183 Bookbinding & Related	0.091	0.014	0.014	0.014	0.012	0.012
184 Typesetting	9.106	9.264	9.338	12.031	12.84	11.716
185 Plate Making	3.332	4.073	4.111	4.869	4.224	3.202

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
186 Alkalies & Chlorine	0	0	0	0	0	0
187 Industrial Gases	0.533	0.297	0.341	1.41	0.726	0.692
188 Inorganic Pigments	1.76	0.592	0.703	2.434	0.666	1.391
189 Inorganic Chemicals Nec.	24.391	1.438	1.524	1.856	1.575	2.179
190 Cyclic Crudes, Intern. & Indus. Organic Chem.	0.158	0.093	0.099	0.296	0.153	0
191 Plastics Materials and Resins	0.208	0.177	0.17	1.083	0.556	0
192 Synthetic Rubber	1.169	0	0	0	0	0
193 Cellulosic Man-made Fibers	0	0	0	0	0	0.003
194 Organic Fibers, Noncellulosic	0.498	0.143	0.13	0	0	0
195 Drugs	6.572	6.843	7.849	43.391	10.162	11.638
196 Soap and Other Detergents	1.185	1.036	1.017	1.004	0.642	0.687
197 Polishes and Sanitation Goods	21.836	15.326	14.745	16.129	13.071	15.052
198 Surface Active Agents	0	0	0	0	0	0
199 Toilet Preparations	11.249	9.541	10.733	11.572	6.793	7.382
200 Paints and Allied Products	11.963	11.491	12.046	14.892	7.349	5.756
201 Gum and Wood Chemicals	0	0	0	0	0	0
202 Nitrogenous and Phosphatic Fertilizers	145.398	135.899	139.406	121.295	111.778	126.814
203 Fertilizers, Mixing Only	3.986	7.163	7.179	7.033	3.952	4.827
204 Agricultural Chemicals, N.E.C	2.605	1.218	1.299	0.895	0.427	0.46
205 Adhesives and Sealants	1.114	2.422	2.602	11.659	2.314	0.273
206 Explosives	0	0	0	0	0	0
207 Printing Ink	1.419	4.558	5.345	2.401	1.251	1.494
208 Carbon Black	0	0	0	0	0	0
209 Chemical Preparations, N.E.C	6.839	1.743	2.097	11.157	2.236	0.546
210 Petroleum Refining	0.851	0	0	0	0.11	0.023
211 Paving Mixtures and Blocks	18.777	11.685	24.927	28.198	26.852	44.231
212 Asphalt Felts and Coatings	27.021	33.45	54.462	57.285	68.071	71.572
213 Lubricating Oils and Greases	11.214	13.881	15.925	6.304	5.54	8.25
214 Petroleum and Coal Products, N.E.C.	0	0	0	0	0	0
215 Tires and Inner Tubes	0	0	0	0	0	0
216 Rubber and Plastics Footwear	0	0	0	0	0	0
217 Rubber and Plastics Hose and Belting	0	0	0	0	0	0.069
218 Gaskets, Packing and Sealing Devices	2.647	1.676	1.682	0.789	0.248	0.107
219 Fabricated Rubber Products, N.E.C.	7.572	8.288	8.236	9.429	7.232	8.256
220 Miscellaneous Plastics Products	32.069	39.007	39.253	50.586	41.972	41.418
221 Leather Tanning and Finishing	0	0	0	0	0	0
222 Footwear Cut Stock	0	0	0	0	0	0
223 House Slippers	0	0	0	0	0	0
224 Shoes, Except Rubber	0.667	0.249	0.243	0	0	0
225 Leather Gloves and Mittens	0	0	0	0	0	0
226 Luggage	0.024	0.073	0.058	0.082	0.227	0.175
227 Womens Handbags and Purses	0	0	0	0	0	0
228 Personal Leather Goods	0	0	0	0	0	0
229 Leather Goods, N.E.C	0.052	0.347	0.277	0.651	0.439	0.281
230 Glass and Glass Products, Exc Containers	5.882	5.821	6.895	24.265	16.361	12.03
231 Glass Containers	0	0	0	0	0.14	9.306
232 Cement, Hydraulic	4.24	3.425	4.379	12.804	6.739	6.458
233 Brick and Structural Clay Tile	1.762	1.846	2.122	1.999	2.312	3.506
234 Ceramic Wall and Floor Tile	1.502	0	0	0	0	0
235 Clay Refractories	0.045	0.106	0.221	0.11	0	0
236 Structural Clay Products, N.E.C	0.159	0.982	0.879	0	0	0
237 Vitreous Plumbing Fixtures	0	0	0	0	0	0
238 Vitreous China Food Utensils	0	0	0	0	0	0
239 Fine Earthenware Food Utensils	0.075	0.041	0.083	0.092	0.124	0.037
240 Porcelain Electrical Supplies	0	0	0	0	0	0
241 Pottery Products, N.E.C	0	0	0	0	0.04	0.001
242 Concrete Block and Brick	14.593	18.226	21.11	24.064	15.143	18.84
243 Concrete Products, N.E.C	23.449	26.219	30.848	42.559	35.979	30.108
244 Ready-mixed Concrete	15.011	16.148	19.26	22.632	12.395	13.117
245 Lime	0	0	0	0	0	0
246 Gypsum Products	26.251	38.402	43.805	54.623	80.409	110.051
247 Cut Stone and Stone Products	0.446	0.391	0.491	1.397	1.143	1.207
248 Abrasive Products	0.062	0.05	0.07	0	0.012	0.263
249 Asbestos Products	0	0	0	0	0	0
250 Minerals, Ground Or Treated	5.26	4.086	4.881	7.929	0.999	0.666
251 Mineral Wool	0.11	0.28	0.36	0.59	1.494	1.327

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
252 Nonclay Refractories	0	0	0	0	0	0
253 Nonmetallic Mineral Products, N.E.C.	0.229	0.43	0.543	0.738	0	0.056
254 Blast Furnaces and Steel Mills	24.15	11.608	11.787	23.207	13.483	14.237
255 Electrometallurgical Products	0	0	0	0	0	0
256 Steel Wire and Related Products	13.872	12.145	12.442	3.209	2.257	1.817
257 Cold Finishing Of Steel Shapes	0	0	0	0	0.133	0.067
258 Steel Pipe and Tubes	0	0	0	0	0	0
259 Iron and Steel Foundries	4.828	3.442	3.929	5.479	5.288	7.603
260 Primary Copper	0	0	0	0	0	0
261 Primary Aluminum	0	0	0	0	0	0
262 Primary Nonferrous Metals, N.E.C.	0	0	0	0	0	0
263 Secondary Nonferrous Metals	3.401	4.291	4.804	6.945	5.469	10.282
264 Copper Rolling and Drawing	0	0	0	0	0	0
265 Aluminum Rolling and Drawing	30.117	29.36	31.652	25.391	26.389	23.263
266 Nonferrous Rolling and Drawing, N.E.C.	0.155	0.194	0.212	0.22	0.239	0.281
267 Nonferrous Wire Drawing and Insulating	0	0	0	0	0	0
268 Aluminum Foundries	2.402	1.864	1.897	1.572	1.723	1.754
269 Brass, Bronze, and Copper Foundries	0	0	0	0	0	0
270 Nonferrous Castings, N.E.C.	3.937	2.631	2.092	8.733	3.12	2.576
271 Metal Heat Treating	2.81	0.912	1.046	1.416	1.813	1.501
272 Primary Metal Products, N.E.C.	0	0	0	0	0	0
273 Metal Cans	34.444	41.178	36.843	38.022	31.546	27.4
274 Metal Barrels, Drums and Pails	0	0	0	0	0	0
275 Cutlery	0	0	0	0	0	0
276 Hand and Edge Tools, N.E.C.	0	0	0	0	0	0
277 Hand Saws and Saw Blades	3.005	7.412	7.164	3.889	0	0
278 Hardware, N.E.C.	0.242	0.329	0.304	0.287	3.012	2.404
279 Metal Sanitary Ware	0	0	0	0	0	0
280 Plumbing Fixture Fittings and Trim	0	5.439	5.222	5.137	3.525	2.347
281 Heating Equipment, Except Electric	0	0	0	0	0	0
282 Fabricated Structural Metal	16.094	24.325	22.983	24.931	20.211	28.409
283 Metal Doors, Sash, and Trim	17.305	21.793	20.454	26.407	25.375	29.327
284 Fabricated Plate Work (Boiler Shops)	30.078	34.379	31.9	36.259	12.921	13.208
285 Sheet Metal Work	15.286	17.456	16.636	13.921	9.798	10.745
286 Architectural Metal Work	3.208	1.986	1.816	3.702	4.108	3.794
287 Prefabricated Metal Buildings	3.66	5.054	4.65	10.295	10.014	10.579
288 Miscellaneous Metal Work	2.454	3.42	2.728	3.862	4.328	3.306
289 Screw Machine Products and Bolts, Etc.	2.965	0	0	0	0	0
290 Iron and Steel Forgings	10.463	7.805	7.136	5.008	5.962	4.852
291 Nonferrous Forgings	0	0	0	0	0	0
292 Automotive Stampings	0	0	0	0	0	0
293 Crowns and Closures	0	0	0	0	0	0
294 Metal Stampings, N.E.C.	8.361	12.427	12.49	11.473	8.233	6.148
295 Plating and Polishing	2.536	3.167	2.939	3.269	2.339	2.68
296 Metal Coating and Allied Services	1.643	1.904	1.762	1.077	0.636	0.716
297 Small Arms Ammunition	0	0	0	0	0	0
298 Ammunition, Except For Small Arms, N.E.C.	0	0	0	0	0.796	0.71
299 Small Arms	0	0	0	0	0	0
300 Other Ordnance and Accessories	0.552	-2.382	2.255	0	0	0
301 Industrial and Fluid Valves	26.958	23.606	24.072	14.604	10.087	20.219
302 Steel Springs, Except Wire	0	0	0	0	0	0
303 Pipe, Valves, and Pipe Fittings	0.322	2.097	1.852	2.637	7.049	1.947
304 Miscellaneous Fabricated Wire Products	18.525	15.763	15.563	8.796	7.571	8.655
305 Metal Foil and Leaf	0	0	0	0	0	0
306 Fabricated Metal Products, N.E.C.	2.203	2.588	2.524	3.585	2.779	3.58
307 Steam Engines and Turbines	0	0	0	0	0.015	0.07
308 Internal Combustion Engines, N.E.C.	0	0	0	0	0	0.092
309 Farm Machinery and Equipment	3.811	4.02	3.8	3.791	4.338	2.839
310 Lawn and Garden Equipment	0.076	0.068	0.127	0.154	0.232	0
311 Construction Machinery and Equipment	0	0	0	0	0.228	0.072
312 Mining Machinery, Except Oil Field	0	0	0	0	0	0
313 Oil Field Machinery	0	0	0	0	0.006	0
314 Elevators and Moving Stairways	0	0	0	0	0	0
315 Conveyors and Conveying Equipment	0.133	0	0	0	0	0
316 Hoists, Cranes, and Monorails	0	0	0	0	0	0
317 Industrial Trucks and Tractors	0.21	0.293	0.28	0.332	0.67	0.755

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
318 Machine Tools, Metal Cutting Types	0.077	0.79	0.853	0.741	0.798	0.934
319 Machine Tools, Metal Forming Types	0.077	0	0	0	0	0
320 Industrial Patterns	0	0	0	0	0	0
321 Special Dies and Tools and Accessories	0.643	0.678	0.655	0.533	0.275	1.027
322 Power Driven Hand Tools	0	0	0	0	0.549	0.274
323 Rolling Mill Machinery	0	0	0	0	0.291	0
324 Welding Apparatus	0	0	0	0	0	0
325 Metalworking Machinery, N.E.C.	0	0.031	0.032	0.063	0.13	0.143
326 Textile Machinery	0	0	0	0	0.053	0.151
327 Woodworking Machinery	0.026	0	0	0	0.073	0.176
328 Paper Industries Machinery	0	0	0	0	0	0
329 Printing Trades Machinery	0.281	0.173	0.16	0.825	0.835	0.81
330 Food Products Machinery	0.946	1.153	1.082	0.79	0.662	1.141
331 Special Industry Machinery N.E.C.	13.24	15.828	14.676	14.774	15.937	38.642
332 Pumps and Compressors	4.51	2.674	2.679	2.452	3.708	3.875
333 Ball and Roller Bearings	0.489	0.935	0.994	11.238	5.882	3.028
334 Blowers and Fans	2.505	1.61	1.502	1.591	1.735	1.587
335 Packaging Machinery	5.026	7.573	7.645	8.538	9.231	7.354
336 Power Transmission Equipment	0.382	0.401	0.379	0.292	0.441	0.379
337 Industrial Furnaces and Ovens	0	0	0	0	0.138	0.138
338 General Industrial Machinery, N.E.C	2.579	0.79	0.783	0.381	0.33	1.417
339 Electronic Computers	0	1.315	1.2	0.245	0.309	0.228
340 Computer Storage Devices	3.336	1.352	1.296	4.411	0	0
341 Computer Terminals	0	1.216	1.227	2.809	0.23	0.113
342 Computer Peripheral Equipment,	2.136	1.202	1.223	1.306	0.357	0
343 Calculating and Accounting Machines	0	0	0	0	0	0
344 Typewriters and Office Machines N.E.C.	0	1.298	1.344	1.987	0.267	0.242
345 Automatic Merchandising Machine	0	0	0	0	0	0
346 Commercial Laundry Equipment	6.358	4.544	4.652	3.495	6.391	5.238
347 Refrigeration and Heating Equipment	3.972	3.271	2.86	2.538	2.166	1.872
348 Measuring and Dispensing Pumps	0	0	0	0	0	0
349 Service Industry Machines, N.E.C.	15.188	13.461	12.766	7.665	9.821	12.028
350 Carburetors, Pistons, Rings, Valves	0	0	0	0	0	0
351 Fluid Power Cylinders & Actuators	0.636	0.66	0.577	1.196	0.782	0.954
352 Fluid Power Pumps & Motors	0	0	0	0	0	0
353 Scales and Balances	0	0	0	0	0	0
354 Industrial Machines N.E.C.	12.418	14.144	13.85	10.649	8.432	11.954
355 Transformers	0.445	2.429	2.665	2.306	1.306	0.389
356 Switchgear and Switchboard Apparatus	6.689	0.906	0.9	1.822	0.795	0.522
357 Motors and Generators	0	0	0	0	0	0
358 Carbon and Graphite Products	0	0	0	0	0	0
359 Relays & Industrial Controls	3.113	2.949	3.106	1.584	1.296	1.907
360 Electrical Industrial Apparatus, N.E.C.	0	0	0	0	0	0
361 Household Cooking Equipment	0	0	0	0	0.032	0
362 Household Refrigerators and Freezers	0.179	0.468	3.465	0.875	0	0
363 Household Laundry Equipment	0	0	0	0	0	0
364 Electric Housewares and Fans	0	0	0	0	2.161	0.714
365 Household Vacuum Cleaners	0	0	0	0	0	0
366 Household Appliances, N.E.C.	0	0.35	4.458	0.751	0.17	0.144
367 Electric Lamps	0	0	0	0	0	0
368 Wiring Devices	0	2.413	2.352	2.477	4.46	5.705
369 Lighting Fixtures and Equipment	4.337	7.302	7.616	6.9	11.939	11.6
370 Radio and TV Receiving Sets	0	0.192	0.21	0.359	0.217	0.155
371 Phonograph Records and Tape	0	0	0	0	0	0
372 Telephone and Telegraph Apparatus	18.602	29.524	32.161	31.962	10.268	9.02
373 Radio and Tv Communication Equipment	60.46	71.853	76.212	57.268	35.225	28.251
374 Communications Equipment N.E.C.	6.226	5.126	4.959	4.61	2.696	1.876
375 Electron Tubes	0	0	0	0	0.012	0.025
376 Printed Circuit Boards	21.027	15.87	15.838	21.149	13.645	16.67
377 Semiconductors and Related Devices	0	1.271	1.171	1.379	0.731	0.683
378 Electronic Components, N.E.C.	19.897	19.711	19.938	24.767	14.404	16.186
379 Storage Batteries	21.091	18.216	17.242	16.822	13.363	11.556
380 Primary Batteries, Dry and Wet	0	0	0	0	0	0
381 Engine Electrical Equipment	0	0	0	0	0	0
382 Magnetic & Optical Recording Media	0	0	0	0	0	0
383 Electrical Equipment, N.E.C.	33.378	39.193	37.763	33.343	19.697	23.389

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
384 Motor Vehicles	0	9.097	11.365	0	0	0
385 Truck and Bus Bodies	1.263	0.937	1.176	1.732	2.999	2.996
386 Motor Vehicle Parts and Accessories	16.095	14.469	16.631	27.341	14.813	18.551
387 Truck Trailers	2.885	0.321	0.387	0.459	0.434	0.62
388 Motor Homes	0	0	0	0	0	0
389 Aircraft	0	0	0	0	0.05	0.052
390 Aircraft and Missile Engines and Parts	6.593	7.173	6.896	7.229	3.476	3.189
391 Aircraft and Missile Equipment,	0.342	0.129	0.119	1.619	0.616	0.677
392 Ship Building and Repairing	26.286	30.177	30.232	50.045	26.455	42.006
393 Boat Building and Repairing	1.236	1.206	1.216	1.924	1.069	1.383
394 Railroad Equipment	0	0	0	0	0	0
395 Motorcycles, Bicycles, and Parts	0	0	0	0	0	0
396 Complete Guided Missiles	0.24	0.266	0.267	0.575	0.389	0
397 Travel Trailers and Camper	0	0	0	0	0	0
398 Tanks and Tank Components	0	0	0	0	0	0
399 Transportation Equipment, N.E.C	0	0.378	0.364	1.916	1.164	2.396
400 Search & Navigation Equipment	0.374	0	0	0	0.465	0.562
401 Laboratory Apparatus & Furniture	0	0	0	0	0	0
402 Automatic Temperature Controls	0.437	0	0	0	0	0
403 Mechanical Measuring Devices	1.549	0.037	0.045	0.052	0.203	0.293
404 Instruments To Measure Electricity	1.39	1.958	2.492	2.94	7.333	5.206
405 Analytical Instruments	0	0	0	0	0	0
406 Optical Instruments & Lenses	0	0	0	0	0	0
407 Surgical and Medical Instrument	16.387	16.28	20.957	20.701	25.403	18.976
408 Surgical Appliances and Supplies	0.552	0.692	0.888	3.247	5.574	8.492
409 Dental Equipment and Supplies	0.077	0.093	0.125	0.505	0	0
410 X-Ray Apparatus	0	0	0	0	0.018	0.057
411 Electromedical Apparatus	0.809	0.818	1.05	3.27	0.625	0.879
412 Ophthalmic Goods	3.677	3.941	4.716	4.09	4.341	5.8
413 Photographic Equipment and Supplies	0	0	0	0	0.072	0.043
414 Watches, Clocks, and Parts	0	0	0	0	0	0
415 Jewelry, Precious Metal	1.678	0.129	0.116	0.096	0.136	0
416 Silverware and Plated Ware	0	0	0	0	0	0
417 Jewelers Materials and Lapidary Work	0.036	0.016	0.02	0.02	0.042	0.046
418 Musical Instruments	0	0	0	0	0	0.199
419 Dolls	0.005	0.051	0.04	0.034	0.042	0.026
420 Games, Toys, and Childrens Vehicles	0.058	0.128	0.095	0.083	0.051	0.095
421 Sporting and Athletic Goods, N.E.C.	2.824	2.688	2.376	3.004	3.088	3.897
422 Pens and Mechanical Pencils	0	0	0	0	0	0
423 Lead Pencils and Art Goods	0	0	0	0	0.131	0.067
424 Marking Devices	0.29	2.149	1.8	1.9	3.481	1.258
425 Carbon Paper and Inked Ribbons	0	0	0	0	0	0
426 Costume Jewelry	0	0	0	0	0.084	0.055
427 Fasteners, Buttons, Needles, Pins	0	0	0	0	0	0
428 Brooms and Brushes	3.598	3.608	3.262	2.733	3.227	5.633
429 Signs and Advertising Displays	10.408	9.59	8.786	10.555	12.786	14.579
430 Burial Caskets and Vaults	2.676	1.01	0.624	0	0	0
431 Hard Surface Floor Coverings	0	0	0	0	0	0
432 Manufacturing Industries, N.E.C.	2.286	7.14	6.573	6.209	7.107	13.12
433 Railroads and Related Services	88.16	83.325	76.185	77.047	76.113	66.88
434 Local, Interurban Passenger Transit	14.376	17.437	13.518	12.72	13.418	13.932
435 Motor Freight Transport and Warehousing	307.513	319.017	327.993	404.719	332.482	307.581
436 Water Transportation	113.355	117.775	131.882	132.82	104.138	157.003
437 Air Transportation	293.728	288.538	315.372	388.034	450.091	347.548
438 Pipe Lines, Except Natural Gas	8.166	11.444	9.327	7.047	9.94	8.657
439 Arrangement Of Passenger Transportation	35.76	36.066	37.496	46.369	40.623	54.319
440 Transportation Services	28.013	25.162	24.337	34.65	35.285	52.055
441 Communications, Except Radio and TV	960.252	1,054.18	1,104.32	1,124.83	1,072.11	1,078.73
442 Radio and TV Broadcasting	86.959	90.229	92.507	104.7	92.218	80.58
443 Electric Services	787.783	677.881	762.367	858.96	851.742	759.127
444 Gas Production and Distribution	55.532	48.074	39.486	55.353	37.983	34.459
445 Water Supply and Sewerage Systems	0.543	0.926	0.839	0.764	0.938	0.64
446 Sanitary Services and Steam Supply	47.205	56.338	53.906	58.746	60.401	59.051
447 Wholesale Trade	2,901.32	2,881.80	3,087.30	3,277.71	2,482.62	2,554.18
448 Building Materials & Gardening	138.049	134.765	140.77	212.906	130.44	120.034
449 General Merchandise Stores	264.172	259.776	262.958	252.705	246.77	255.044

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
450 Food Stores	381.605	388.585	349.485	417.112	429.121	483.193
451 Automotive Dealers & Service Stations	462.659	516.175	511.294	602.797	516.385	543.31
452 Apparel & Accessory Stores	70.042	70.251	73.414	77.158	74.751	85.919
453 Furniture & Home Furnishings Stores	195.686	203.568	200.688	220.348	146.178	140.625
454 Eating & Drinking	558.178	635.556	597.974	727.037	641.101	626.248
455 Miscellaneous Retail	470.755	694.964	716.558	931.875	617.511	665.943
456 Banking	621.78	829.56	974.054	1,247.06	909.527	1,111.01
457 Credit Agencies	216.637	405.931	382.24	594.604	386.073	534.943
458 Security and Commodity Brokers	193.656	122.368	228.468	284.343	287.001	247.819
459 Insurance Carriers	921.19	996.482	1,085.10	872.944	1,441.22	1,396.76
460 Insurance Agents and Brokers	241.133	270.875	278.786	310.646	226.992	221.392
461 Owner-occupied Dwellings	1,336.41	1,191.07	1,299.65	1,375.15	1,444.68	1,811.01
462 Real Estate	1,832.52	1,915.20	1,903.62	1,934.25	1,730.21	1,670.16
463 Hotels and Lodging Places	195.215	206.806	198.223	217.553	167.857	184.256
464 Laundry, Cleaning and Shoe Repair	58.706	60.61	66.146	72.005	63.948	78.976
465 Portrait and Photographic Studios	5.96	7.698	8.354	10.309	9.224	6.102
466 Beauty and Barber Shops	42.177	46.631	50.881	51.15	44.054	44.042
467 Funeral Service and Crematories	22.412	20.884	22.954	25.147	23.518	15.488
468 Miscellaneous Personal Services	22.181	23.35	28.47	36.746	32.591	36.866
469 Advertising	58.09	70.681	79.861	83.186	32.719	31.424
470 Other Business Services	157.924	238.418	274.045	345.994	181.088	143.668
471 Photofinishing, Commercial Photography	45.836	45.708	50.904	35.003	24.593	24.473
472 Services To Buildings	60.532	80.318	86.151	87.233	46.245	49.627
473 Equipment Rental and Leasing	54.347	66.887	70.677	82.336	51.144	49.686
474 Personnel Supply Services	1,033.43	1,114.55	1,282.85	1,585.80	1,141.42	1,438.80
475 Computer and Data Processing Services	536.798	730.647	956.539	927.423	720.238	588.609
476 Detective and Protective Services	66.426	83.503	70.995	94.744	70.684	69.16
477 Automobile Rental and Leasing	119.683	144.661	152.578	178.221	166.949	190.355
478 Automobile Parking and Car Wash	12.196	13.512	14.357	18.705	16.101	17.37
479 Automobile Repair and Services	134.075	132.806	144.796	155.59	145.732	158.755
480 Electrical Repair Service	38.856	39.093	35.885	39.338	27.925	36.277
481 Watch, Clock, Jewelry and Furniture Repair	3.035	3.201	2.982	3.128	2.896	2.7
482 Miscellaneous Repair Shops	71.867	78.554	72.403	78.563	69.552	59.616
483 Motion Pictures	27.704	37.84	66.207	100.918	43.137	29.784
484 Theatrical Producers, Bands Etc.	12.019	15.731	18.034	22.428	18.01	21.961
485 Bowling Alleys and Pool Halls	3.683	3.321	3.374	2.969	2.041	2.003
486 Commercial Sports Except Racing	74.039	105.851	102.795	223.739	276.525	256.04
487 Racing and Track Operation	7.036	7.051	8.268	15.387	12.406	11.475
488 Amusement and Recreation Services, N.E.C.	135.909	149.077	165.156	192.65	157.41	146.328
489 Membership Sports and Recreation Clubs	39.468	33.365	36.873	43.64	31.778	30.568
490 Doctors and Dentists	790.694	834.153	815.152	857.339	709.173	737.078
491 Nursing and Protective Care	80.444	94.843	93.9	102.763	91.088	96.924
492 Hospitals	568.048	566.469	527.089	559.804	562.9	554.923
493 Other Medical and Health Services	203.131	240.117	235.227	263.653	224.752	253.123
494 Legal Services	473.642	294.222	546.879	573.96	431.331	494.123
495 Elementary and Secondary Schools	29.979	34.184	36.635	37.549	26.422	27.693
496 Colleges, Universities, Schools	31.488	33.75	36.033	42.128	37.359	39.94
497 Other Educational Services	32.894	42.142	46.378	52.405	39.416	42.213
498 Job Trainings & Related Services	18.265	21.884	23.909	26.845	27.654	29.405
499 Child Day Care Services	35.383	38.708	42.987	44.744	50.261	53.449
500 Social Services, N.E.C.	59.831	67.483	73.117	65.324	79.317	101.253
501 Residential Care	52.524	56.618	62.728	66.366	66.175	58.574
502 Other Nonprofit Organizations	62.173	62.199	63.282	32.508	77.421	81.452
503 Business Associations	27.89	27.796	25.258	39.233	60.017	76.394
504 Labor and Civic Organizations	27.057	29.473	30.774	42.331	52.598	49.209
505 Religious Organizations	34.475	33.972	35.44	23.46	18.668	16.091
506 Engineering, Architectural Services	310.792	314.237	339.947	376.275	319.007	365.269
507 Accounting, Auditing and Bookkeeping	189.221	298.765	326.315	388.574	334.563	499.852
508 Management and Consulting Services	219.926	261.008	299.288	345.012	297.589	373.572
509 Research, Development & Testing Services	39.238	37.892	40.654	49.221	42.408	55.098
510 Local Government Passenger Transit	2.11	3.665	-16.692	-17.45	-18.291	-20.76
511 State and Local Electric Utilities	0	0	0	0	0	0
512 Other State and Local Govt Enterprises	136.936	142.737	116.984	122.673	128.184	128.215
513 U.S. Postal Service	200.25	243.319	237.894	253.874	273.353	271.997
514 Federal Electric Utilities	0	0	0	0	0	0
515 Other Federal Government Enterprises	33.498	24.782	37.57	34.133	29.413	13.726

Industry	1995 Total Value Added*	1996 Total Value Added*	1997 Total Value Added*	1998 Total Value Added*	1999 Total Value Added*	2000 Total Value Added*
516 Noncomparable Imports	0	0	0	0	0	0
517 Scrap	0	0	0	0	0	0
518 Used and Secondhand Goods	0	0	0	0	0	0
519 Federal Government - Military	334.688	628.026	705.498	788.003	774.893	776.886
520 Federal Government - Non-Military	602.707	448.284	446.767	480.366	522.235	545.388
521 Commodity Credit Corporation	0	0	0	0	0	0
522 State & Local Government - Education	867.632	811.328	1,326.93	1,121.92	1,126.83	1,206.32
523 State & Local Government - Non-Education	1,056.74	1,196.39	803.139	1,237.88	1,246.60	1,334.73
524 Rest Of The World Industry	19.665	2.207	0	0	0	0
525 Domestic Services	52.47	51.352	52.05	58.434	58.792	59.746
526 Dummy	0	0	0	0	0	0
527 Dummy	0	0	0	0	0	0
528 Inventory Valuation Adjustment	-109.67	-0.909	8.478	13.237	-5.828	-9.696
Totals	26,797.80	28,580.39	30,489.11	33,857.06	29,966.27	31,863.45

*Millions of dollars

Table B.2
2-Digit SIC Value Added

Industry	1995	1996	1997	1998	1999	2000
	Total Value Added*	Total Value Added*	Total Value Added*	Total Value Added*	Total Value Added*	Total Value Added*
Farms	251.20	280.47	289.55	284.78	368.09	394.63
Forestry Products	2.43	0.31	0.33	0.12	6.66	4.68
Commercial Fishing	13.91	16.11	20.60	8.51	3.74	2.85
Ag Services	101.20	84.55	80.77	111.02	94.53	102.16
Metal mining	0.00	0.00	0.08	0.00	0.00	0.23
Coal Mining	0.00	0.00	0.00	0.00	0.00	0.00
Oil mining	0.15	3.08	1.74	0.46	0.36	3.75
Non-metal mining	0.80	0.50	0.62	1.75	1.11	9.87
Construction	1237.98	1315.49	1396.67	1597.57	1242.58	1394.59
Food processing	377.84	293.29	263.84	216.32	279.95	295.16
Tobacco mfg	25.63	42.08	54.86	259.60	300.41	450.35
Textiles	0.18	0.68	0.73	0.45	0.11	0.09
Apparel	99.50	98.85	106.23	99.74	73.17	66.39
Wood products	43.98	54.22	54.79	51.54	35.53	48.86
Furniture	25.75	32.49	36.77	44.50	32.75	33.77
Pulp and paper	51.87	58.37	57.97	64.56	53.61	61.12
Printing and publishing	301.14	321.75	342.55	325.86	270.30	287.79
Chemicals and allied	242.89	199.98	207.28	248.51	163.65	179.19
Petroleum products	57.86	59.02	95.31	91.79	100.57	124.08
Rubber products	42.29	48.97	49.17	60.80	49.45	49.85
Leather products	0.74	0.67	0.58	0.73	0.67	0.46
Stone, glass and clay	99.08	116.45	135.95	193.80	173.29	206.97
Primary metals	85.67	66.45	69.86	76.17	59.91	63.38
Fabricated metal	200.30	229.75	221.29	217.16	170.29	181.03
Industrial machinery	79.06	79.48	76.64	82.80	75.31	97.53
Electrical equipment	195.44	217.77	230.06	208.37	132.42	128.79
Transportation equipment	54.94	64.15	68.65	92.84	51.47	71.87
Scientific instruments	25.25	23.82	30.27	34.81	44.03	40.31
Miscellaneous mfg	23.86	26.51	23.69	24.64	30.18	38.98
Railroads and Related Services	88.16	83.33	76.19	77.05	76.11	66.88
Local, Interurban Passenger Transit	14.38	17.44	13.52	12.72	13.42	13.93
Motor Freight Transport and Warehous	307.51	319.02	327.99	404.72	332.48	307.58
Water Transportation	113.36	117.78	131.88	132.82	104.14	157.00
Air Transportation	293.73	288.54	315.37	388.03	450.09	347.55
Pipe Lines, Except Natural Gas	8.17	11.44	9.33	7.05	9.94	8.66
Transportation Services	63.77	61.23	61.83	81.02	75.91	106.37
Communications	1047.21	1144.41	1196.83	1229.53	1164.33	1159.31
Utilities	891.06	783.22	856.60	973.82	951.06	853.28
Wholesale Trade	2901.32	2881.80	3087.30	3277.71	2482.62	2554.18
Retail Trade	2541.15	2903.64	2853.14	3441.94	2802.26	2920.32
Banking	621.78	829.56	974.05	1247.06	909.53	1111.01
Credit Agencies	216.64	405.93	382.24	594.60	386.07	534.94
Security and Commodity Brokers	193.66	122.37	228.47	284.34	287.00	247.82
Insurance Carriers	921.19	996.48	1085.10	872.94	1441.22	1396.76
Insurance Agents and Brokers	241.13	270.88	278.79	310.65	226.99	221.39
Real estate	3168.93	3106.27	3203.27	3309.40	3174.88	3481.17
Hotels and Lodging Places	195.22	206.81	198.22	217.55	167.86	184.26
Personal services	151.44	159.17	176.81	195.36	173.33	181.47
Business services	2013.38	2430.72	2872.02	3241.72	2268.13	2395.44
Automotive services	265.95	290.98	311.73	352.52	328.78	366.48
Repair services	113.76	120.85	111.27	121.03	100.37	98.59
Motion Pictures	27.70	37.84	66.21	100.92	43.14	29.78
Recreation services	272.15	314.40	334.50	500.81	498.17	468.37
Health services	1642.32	1735.58	1671.37	1783.56	1587.91	1642.05
Legal Services	473.64	294.22	546.88	573.96	431.33	494.12
Education services	94.36	110.08	119.05	132.08	103.20	109.85
Social services	166.00	184.69	202.74	203.28	223.41	242.68
Non-profit organizations	151.59	153.44	154.76	137.53	208.71	223.15
Professional services	759.18	911.90	1006.20	1159.08	993.57	1293.79
State & local non-ed government	1195.79	1342.79	903.43	1343.10	1356.49	1442.18
Federal non-military	836.46	716.39	722.23	768.37	825.00	831.11
Special sectors	-90.00	1.30	8.48	13.24	-5.83	-9.70
Federal Government - Military	334.69	628.03	705.50	788.00	774.89	776.89
State & Local Government - Educatio	867.63	811.33	1326.93	1121.92	1126.83	1206.32
Domestic Services	52.47	51.35	52.05	58.43	58.79	59.75

Table B.3
2-Digit SIC Employee Compensation

Industry	1995 Employee Compensation*	1996 Employee Compensation*	1997 Employee Compensation*	1998 Employee Compensation*	1999 Employee Compensation*	2000 Employee Compensation*
Farms	80.41	80.15	85.04	76.54	79.92	91.57
Forestry Products	0.18	0.03	0.02	0.03	1.03	0.66
Commercial Fishing	2.43	3.96	3.58	0.91	0.59	0.01
Ag Services	63.51	56.46	54.05	71.87	56.35	56.41
Metal mining	0.00	0.00	0.08	0.00	0.00	0.17
Coal Mining	0.00	0.00	0.00	0.00	0.00	0.00
Oil mining	0.01	0.97	0.47	0.17	0.04	1.60
Non-metal mining	0.40	0.27	0.30	0.94	0.49	4.30
Construction	916.52	1031.47	1099.76	1189.76	864.41	969.05
Food processing	171.74	154.93	152.16	131.39	162.54	178.53
Tobacco mfg	11.95	20.57	30.18	40.24	62.32	75.61
Textiles	0.15	0.57	0.61	0.36	0.09	0.08
Apparel	80.74	80.17	82.28	81.09	56.31	52.52
Wood products	29.53	36.01	37.22	33.87	22.30	30.14
Furniture	18.98	22.85	25.32	29.72	22.20	23.64
Pulp and paper	35.97	41.07	42.43	47.07	38.35	43.08
Printing and publishing	222.09	231.20	241.39	236.72	187.44	200.87
Chemicals and allied	114.41	104.91	111.98	136.93	88.27	94.89
Petroleum products	21.78	23.23	35.54	22.35	29.48	31.61
Rubber products	32.61	35.70	36.71	44.48	35.42	35.03
Leather products	0.47	0.37	0.35	0.43	0.37	0.27
Stone, glass and clay	74.70	85.50	100.65	120.49	115.35	136.14
Primary metals	58.93	48.14	51.72	49.90	39.66	45.97
Fabricated metal	136.61	142.31	141.79	131.06	107.26	116.62
Industrial machinery	50.84	54.98	53.61	65.82	56.91	75.41
Electrical equipment	125.90	137.05	138.55	129.70	78.97	90.15
Transportation equipment	48.79	55.53	60.27	77.18	40.31	56.40
Scientific instruments	23.18	21.76	27.43	30.63	39.38	35.63
Miscellaneous mfg	14.03	15.93	15.19	15.84	19.05	24.51
Railroads and Related Services	54.64	50.91	50.38	51.28	54.91	49.13
Local, Interurban Passenger Transit	10.00	12.38	10.00	8.86	8.99	8.89
Motor Freight Transport and Warehouse	207.03	203.13	205.48	242.22	184.76	158.44
Water Transportation	80.43	83.03	89.92	85.39	65.31	103.57
Air Transportation	175.81	210.68	213.87	236.97	272.25	235.63
Pipe Lines, Except Natural Gas	1.35	2.03	1.74	1.05	1.45	1.47
Transportation Services	42.78	42.03	41.62	56.64	54.46	80.33
Communications	339.45	400.50	441.97	437.52	449.04	457.98
Utilities	188.61	183.63	204.53	209.69	206.40	189.88
Wholesale Trade	1634.75	1646.13	1742.65	1808.57	1378.30	1487.77
Retail Trade	1600.94	1818.43	1734.10	2063.84	1646.59	1745.63
Banking	208.07	284.05	329.62	409.49	293.70	316.38
Credit Agencies	243.23	264.27	330.59	393.64	396.35	468.46
Security and Commodity Brokers	144.19	177.10	207.07	219.58	196.86	251.78
Insurance Carriers	528.21	545.60	601.96	527.09	788.17	803.42
Insurance Agents and Brokers	166.87	188.39	205.60	221.76	150.25	127.43
Real estate	156.46	161.70	178.13	184.05	137.83	127.20
Hotels and Lodging Places	110.48	126.07	118.71	127.49	94.59	109.62
Personal services	82.36	87.55	97.16	103.65	79.80	85.16
Business services	1539.54	1858.81	2232.75	2554.83	1750.15	1895.03
Automotive services	123.98	142.32	142.82	161.14	144.21	163.24
Repair services	68.62	75.33	69.01	72.15	57.30	57.37
Motion Pictures	16.78	26.47	48.67	89.67	32.93	19.97
Recreation services	172.04	205.37	214.25	337.66	332.22	321.08
Health services	1354.23	1431.06	1392.65	1479.71	1285.30	1307.91
Legal Services	393.49	214.27	449.82	454.63	313.83	367.83
Education services	85.14	99.27	107.13	119.82	91.41	95.12
Social services	161.47	180.89	198.05	194.85	214.40	233.07
Non-profit organizations	145.16	151.05	151.30	134.92	203.19	217.67
Professional services	609.32	719.86	795.80	882.82	749.37	997.95
State & local non-ed government	1047.04	1072.24	732.42	1050.72	1054.67	1122.25
Federal non-military	642.25	690.54	692.41	702.14	738.59	777.26
Special sectors	-9.52	-9.24	0.00	0.00	0.00	0.00
Federal Government - Military	334.69	375.21	426.42	455.97	449.03	458.08
State & Local Government - Education	787.05	811.33	1326.93	1121.92	1126.83	1206.32
Domestic Services	50.34	51.35	52.05	58.43	58.79	59.75

**Table B.4
2-Digit SIC Employment**

Industry	1995 Employment	1996 Employment	1997 Employment	1998 Employment	1999 Employment	2000 Employment
Farms	8,271	7,194	8,248	8,190	8,968	10,083
Forestry Products	59	4	3	6	106	45
Commercial Fishing	672	483	542	246	263	194
Ag Services	6,622	5,607	5,629	7,501	7,238	7,919
Metal mining	0	0	1	0	0	4
Coal Mining	0	0	0	0	0	0
Oil mining	23	51	56	51	55	104
Non-metal mining	12	11	12	33	18	141
Construction	34,062	36,432	37,934	39,953	41,968	43,665
Food processing	4,788	4,154	4,036	3,860	3,357	3,421
Tobacco mfg	429	596	913	1,012	1,400	1,271
Textiles	11	16	17	13	4	5
Apparel	3,407	3,159	3,097	3,162	3,000	3,115
Wood products	1,277	1,430	1,455	1,318	1,121	1,282
Furniture	790	833	922	948	970	930
Pulp and paper	960	1,033	1,055	1,111	1,045	1,093
Printing and publishing	8,394	8,324	8,466	8,090	8,393	8,414
Chemicals and allied	2,078	1,970	2,096	2,238	2,154	2,210
Petroleum products	396	419	649	473	681	506
Rubber products	1,039	1,071	1,079	1,266	1,192	861
Leather products	22	16	13	13	15	12
Stone, glass and clay	1,951	1,974	2,315	2,659	2,819	3,048
Primary metals	1,283	1,040	1,099	1,308	1,105	1,121
Fabricated metal	3,552	3,628	3,518	3,347	3,419	3,377
Industrial machinery	1,438	1,529	1,518	1,479	1,536	1,808
Electrical equipment	3,084	3,402	3,411	3,031	3,108	3,304
Transportation equipment	1,298	1,454	1,541	1,964	1,708	1,758
Scientific instruments	566	459	574	642	782	681
Miscellaneous mfg	668	722	667	760	829	995
Railroads and Related Services	819	740	707	665	790	717
Local, Interurban Passenger Transit	597	624	495	382	515	577
Motor Freight Transport and Warehousing	8,366	7,907	8,290	9,871	9,304	9,423
Water Transportation	1,803	1,693	1,864	1,780	1,395	2,283
Air Transportation	5,245	5,933	5,852	6,287	6,917	7,151
Pipe Lines, Except Natural Gas	54	55	45	17	14	6
Transportation Services	2,141	1,901	1,925	2,122	2,285	2,378
Communications	6,538	7,204	8,548	8,624	9,772	10,646
Utilities	3,350	3,192	3,486	3,402	3,816	3,457
Wholesale Trade	38,307	37,465	39,482	40,012	39,558	40,937
Retail Trade	97,205	103,144	101,573	103,295	105,106	105,952
Banking	6,441	7,470	8,185	10,613	9,134	8,779
Credit Agencies	10,387	8,847	9,947	11,438	15,036	17,114
Security and Commodity Brokers	2,610	2,910	2,739	2,963	2,647	2,470
Insurance Carriers	11,250	12,358	12,964	14,534	15,066	14,155
Insurance Agents and Brokers	7,695	8,107	8,056	8,659	7,753	7,601
Real estate	11,784	12,801	12,746	12,979	14,242	14,266
Hotels and Lodging Places	6,586	6,900	6,284	6,529	6,745	7,408
Personal services	8,943	9,368	10,287	11,349	11,796	12,123
Business services	93,199	99,777	115,304	129,923	149,111	159,651
Automotive services	6,721	7,174	6,826	7,086	7,357	7,661
Repair services	3,596	3,759	3,345	3,611	3,932	3,392
Motion Pictures	1,105	1,366	2,586	2,803	3,429	2,296
Recreation services	10,260	10,665	11,384	14,924	16,303	16,527
Health services	38,972	39,129	38,335	40,020	44,158	44,244
Legal Services	7,025	7,384	7,851	8,163	8,855	9,575
Education services	4,657	4,873	5,102	5,727	6,409	6,804
Social services	8,269	8,821	9,262	9,347	9,690	9,850
Non-profit organizations	7,803	7,792	8,075	8,418	9,829	10,336
Professional services	22,846	23,378	25,018	25,696	29,754	32,762
State & local non-ed government	29,348	28,932	22,990	25,635	25,273	25,832
Federal non-military	11,045	13,652	13,850	14,123	14,096	14,368
Special sectors	0	0	0	0	0	0
Federal Government - Military	7,553	7,197	7,673	7,671	7,474	7,315
State & Local Government - Education	25,923	25,823	32,840	30,808	30,533	31,469
Domestic Services	4,576	4,746	4,668	4,841	4,899	4,709

Table B.5
2-Digit SIC Employee Compensation per Worker

Industry	1995	1996	1997	1998	1999	2000
	Employee Compensation per Worker	Employee Compensation per Worker	Employee Compensation per Worker	Employee Compensation per Worker	Employee Compensation per Worker	Employee Compensation per Worker
Farms	\$ 9,722	\$ 11,141	\$ 10,309	\$ 9,346	\$ 8,911	\$ 9,082
Forestry Products	\$ 3,051	\$ 6,135	\$ 6,002	\$ 4,921	\$ 9,709	\$ 14,731
Commercial Fishing	\$ 3,612	\$ 8,188	\$ 6,602	\$ 3,692	\$ 2,244	\$ 26
Ag Services	\$ 9,590	\$ 10,070	\$ 9,602	\$ 9,580	\$ 7,786	\$ 7,123
Metal mining	n/a	n/a	\$ 54,637	n/a	n/a	\$ 41,958
Coal Mining	n/a	n/a	n/a	n/a	n/a	n/a
Oil mining	\$ 522	\$ 18,912	\$ 8,304	\$ 3,343	\$ 637	\$ 15,442
Non-metal mining	\$ 33,583	\$ 25,397	\$ 25,836	\$ 28,630	\$ 27,419	\$ 30,591
Construction	\$ 26,908	\$ 28,312	\$ 28,992	\$ 29,779	\$ 20,597	\$ 22,193
Food processing	\$ 35,868	\$ 37,291	\$ 37,703	\$ 34,043	\$ 48,414	\$ 52,189
Tobacco mfg	\$ 27,853	\$ 34,491	\$ 33,057	\$ 39,775	\$ 44,517	\$ 59,471
Textiles	\$ 13,364	\$ 35,586	\$ 36,289	\$ 27,987	\$ 21,180	\$ 15,645
Apparel	\$ 23,699	\$ 25,374	\$ 26,564	\$ 25,649	\$ 18,769	\$ 16,857
Wood products	\$ 23,121	\$ 25,178	\$ 25,583	\$ 25,703	\$ 19,884	\$ 23,516
Furniture	\$ 24,020	\$ 27,438	\$ 27,469	\$ 31,352	\$ 22,876	\$ 25,405
Pulp and paper	\$ 37,471	\$ 39,749	\$ 40,226	\$ 42,387	\$ 36,683	\$ 39,430
Printing and publishing	\$ 26,458	\$ 27,774	\$ 28,514	\$ 29,262	\$ 22,334	\$ 23,873
Chemicals and allied	\$ 55,060	\$ 53,252	\$ 53,433	\$ 61,178	\$ 40,973	\$ 42,941
Petroleum products	\$ 55,003	\$ 55,376	\$ 54,748	\$ 47,234	\$ 43,285	\$ 62,454
Rubber products	\$ 31,388	\$ 33,331	\$ 34,028	\$ 35,133	\$ 29,722	\$ 40,687
Leather products	\$ 21,318	\$ 23,719	\$ 26,185	\$ 33,413	\$ 24,710	\$ 21,382
Stone, glass and clay	\$ 38,285	\$ 43,306	\$ 43,472	\$ 45,316	\$ 40,920	\$ 44,665
Primary metals	\$ 45,928	\$ 46,286	\$ 47,039	\$ 38,143	\$ 35,889	\$ 41,010
Fabricated metal	\$ 38,460	\$ 39,224	\$ 40,310	\$ 39,162	\$ 31,376	\$ 34,535
Industrial machinery	\$ 35,355	\$ 35,958	\$ 35,308	\$ 44,509	\$ 37,044	\$ 41,698
Electrical equipment	\$ 40,825	\$ 40,279	\$ 40,621	\$ 42,787	\$ 25,407	\$ 27,286
Transportation equipment	\$ 37,589	\$ 38,182	\$ 39,108	\$ 39,292	\$ 23,595	\$ 32,081
Scientific instruments	\$ 40,949	\$ 47,384	\$ 47,770	\$ 47,738	\$ 50,390	\$ 52,320
Miscellaneous mfg	\$ 21,009	\$ 22,058	\$ 22,769	\$ 20,844	\$ 22,978	\$ 24,640
Railroads and Related Services	\$ 66,720	\$ 68,750	\$ 71,258	\$ 77,087	\$ 69,502	\$ 68,524
Local, Interurban Passenger Transit	\$ 16,754	\$ 19,821	\$ 20,205	\$ 23,198	\$ 17,433	\$ 15,412
Motor Freight Transport and Warehousing	\$ 24,746	\$ 25,689	\$ 24,785	\$ 24,538	\$ 19,859	\$ 16,815
Water Transportation	\$ 44,609	\$ 49,040	\$ 48,232	\$ 47,961	\$ 46,820	\$ 45,361
Air Transportation	\$ 33,520	\$ 35,511	\$ 36,546	\$ 37,690	\$ 39,358	\$ 32,949
Pipe Lines, Except Natural Gas	\$ 24,981	\$ 37,105	\$ 38,768	\$ 61,462	\$ 100,611	\$ 249,957
Transportation Services	\$ 19,979	\$ 22,108	\$ 21,619	\$ 26,685	\$ 23,832	\$ 33,771
Communications	\$ 51,919	\$ 55,595	\$ 51,706	\$ 50,731	\$ 45,951	\$ 43,019
Utilities	\$ 56,302	\$ 57,520	\$ 58,665	\$ 61,634	\$ 54,084	\$ 54,927
Wholesale Trade	\$ 42,675	\$ 43,938	\$ 44,137	\$ 45,201	\$ 34,843	\$ 36,343
Retail Trade	\$ 16,470	\$ 17,630	\$ 17,072	\$ 19,980	\$ 15,666	\$ 16,476
Banking	\$ 32,303	\$ 38,023	\$ 40,272	\$ 38,582	\$ 32,154	\$ 36,038
Credit Agencies	\$ 23,417	\$ 29,871	\$ 33,234	\$ 34,417	\$ 26,360	\$ 27,373
Security and Commodity Brokers	\$ 55,243	\$ 60,869	\$ 75,610	\$ 74,116	\$ 74,371	\$ 101,916
Insurance Carriers	\$ 46,952	\$ 44,150	\$ 46,433	\$ 36,265	\$ 52,315	\$ 56,758
Insurance Agents and Brokers	\$ 21,686	\$ 23,236	\$ 25,520	\$ 25,610	\$ 19,379	\$ 16,764
Real estate	\$ 13,278	\$ 12,632	\$ 13,976	\$ 14,180	\$ 9,677	\$ 8,916
Hotels and Lodging Places	\$ 16,775	\$ 18,272	\$ 18,890	\$ 19,526	\$ 14,023	\$ 14,798
Personal services	\$ 9,210	\$ 9,345	\$ 9,445	\$ 9,133	\$ 6,766	\$ 7,024
Business services	\$ 16,519	\$ 18,630	\$ 19,364	\$ 19,664	\$ 11,737	\$ 11,870
Automotive services	\$ 18,447	\$ 19,839	\$ 20,922	\$ 22,740	\$ 19,602	\$ 21,306
Repair services	\$ 19,083	\$ 20,038	\$ 20,633	\$ 19,980	\$ 14,572	\$ 16,914
Motion Pictures	\$ 15,184	\$ 19,380	\$ 18,820	\$ 31,990	\$ 9,602	\$ 8,697
Recreation services	\$ 16,768	\$ 19,256	\$ 18,821	\$ 22,626	\$ 20,377	\$ 19,428
Health services	\$ 34,749	\$ 36,573	\$ 36,329	\$ 36,974	\$ 29,107	\$ 29,561
Legal Services	\$ 56,013	\$ 29,020	\$ 57,297	\$ 55,695	\$ 35,440	\$ 38,416
Education services	\$ 18,282	\$ 20,372	\$ 20,999	\$ 20,921	\$ 14,262	\$ 13,980
Social services	\$ 19,527	\$ 20,506	\$ 21,384	\$ 20,847	\$ 22,125	\$ 23,664
Non-profit organizations	\$ 18,603	\$ 19,385	\$ 18,736	\$ 16,027	\$ 20,672	\$ 21,060
Professional services	\$ 26,671	\$ 30,792	\$ 31,809	\$ 34,357	\$ 25,186	\$ 30,461
State & local non-ed government	\$ 35,677	\$ 37,061	\$ 31,858	\$ 40,987	\$ 41,732	\$ 43,445
Federal non-military	\$ 58,149	\$ 50,581	\$ 49,993	\$ 49,716	\$ 52,398	\$ 54,095
Special sectors	n/a	n/a	n/a	n/a	n/a	n/a
Federal Government - Military	\$ 44,312	\$ 52,136	\$ 55,574	\$ 59,438	\$ 60,078	\$ 62,622
State & Local Government - Education	\$ 30,361	\$ 31,418	\$ 40,405	\$ 36,417	\$ 36,905	\$ 38,334
Domestic Services	\$ 11,001	\$ 10,821	\$ 11,151	\$ 12,072	\$ 12,000	\$ 12,688

Table B.6
2-Digit SIC Value-Added per Worker

Industry	1995	1996	1997	1998	1999	2000
	Value Added per Worker	Value Added per Worker	Value Added per Worker	Value Added per Worker	Value Added per Worker	Value Added per Worker
Farms	\$ 30,371	\$ 38,986	\$ 35,103	\$ 34,772	\$ 41,043	\$ 39,140
Forestry Products	\$ 41,203	\$ 76,319	\$ 93,169	\$ 18,889	\$ 62,960	\$ 104,773
Commercial Fishing	\$ 20,696	\$ 33,319	\$ 38,046	\$ 34,503	\$ 14,226	\$ 14,673
Ag Services	\$ 15,282	\$ 15,079	\$ 14,349	\$ 14,799	\$ 13,061	\$ 12,901
Metal mining	n/a	n/a	\$ 57,513	n/a	n/a	\$ 57,193
Coal Mining	n/a	n/a	n/a	n/a	n/a	n/a
Oil mining	\$ 6,696	\$ 60,322	\$ 30,972	\$ 9,046	\$ 6,466	\$ 36,095
Non-metal mining	\$ 66,833	\$ 47,032	\$ 52,614	\$ 53,071	\$ 62,591	\$ 70,245
Construction	\$ 36,345	\$ 36,108	\$ 36,819	\$ 39,986	\$ 29,608	\$ 31,938
Food processing	\$ 78,913	\$ 70,595	\$ 65,375	\$ 56,047	\$ 83,385	\$ 86,284
Tobacco mfg	\$ 59,751	\$ 70,572	\$ 60,082	\$ 256,594	\$ 214,586	\$ 354,219
Textiles	\$ 16,545	\$ 41,920	\$ 42,979	\$ 35,041	\$ 25,507	\$ 18,565
Apparel	\$ 29,205	\$ 31,288	\$ 34,297	\$ 31,548	\$ 24,389	\$ 21,308
Wood products	\$ 34,441	\$ 37,915	\$ 37,660	\$ 39,114	\$ 31,685	\$ 38,124
Furniture	\$ 32,590	\$ 39,013	\$ 39,892	\$ 46,938	\$ 33,754	\$ 36,293
Pulp and paper	\$ 54,033	\$ 56,488	\$ 54,951	\$ 58,135	\$ 51,274	\$ 55,946
Printing and publishing	\$ 35,876	\$ 38,651	\$ 40,462	\$ 40,281	\$ 32,207	\$ 34,204
Chemicals and allied	\$ 116,884	\$ 101,511	\$ 98,911	\$ 111,028	\$ 75,964	\$ 81,093
Petroleum products	\$ 146,116	\$ 140,701	\$ 146,836	\$ 193,945	\$ 147,683	\$ 245,160
Rubber products	\$ 40,700	\$ 45,718	\$ 45,584	\$ 48,025	\$ 41,501	\$ 57,906
Leather products	\$ 33,727	\$ 42,887	\$ 42,875	\$ 56,826	\$ 44,121	\$ 36,518
Stone, glass and clay	\$ 50,782	\$ 58,981	\$ 58,717	\$ 72,890	\$ 61,475	\$ 67,902
Primary metals	\$ 66,774	\$ 63,891	\$ 63,542	\$ 58,230	\$ 54,223	\$ 56,549
Fabricated metal	\$ 56,392	\$ 63,324	\$ 62,912	\$ 64,889	\$ 49,812	\$ 53,606
Industrial machinery	\$ 54,976	\$ 51,981	\$ 50,480	\$ 55,990	\$ 49,023	\$ 53,934
Electrical equipment	\$ 63,373	\$ 64,004	\$ 67,448	\$ 68,742	\$ 42,606	\$ 38,981
Transportation equipment	\$ 42,327	\$ 44,115	\$ 44,545	\$ 47,263	\$ 30,125	\$ 40,882
Scientific instruments	\$ 44,613	\$ 51,868	\$ 52,729	\$ 54,248	\$ 56,339	\$ 59,195
Miscellaneous mfg	\$ 35,716	\$ 36,704	\$ 35,523	\$ 32,415	\$ 36,400	\$ 39,189
Railroads and Related Services	\$ 107,643	\$ 112,533	\$ 107,759	\$ 115,820	\$ 96,347	\$ 93,276
Local, Interurban Passenger Transit	\$ 24,080	\$ 27,922	\$ 27,319	\$ 33,290	\$ 26,034	\$ 24,166
Motor Freight Transport and Warehousing	\$ 36,757	\$ 40,345	\$ 39,563	\$ 41,001	\$ 35,735	\$ 32,642
Water Transportation	\$ 62,870	\$ 69,560	\$ 70,744	\$ 74,597	\$ 74,661	\$ 68,761
Air Transportation	\$ 56,002	\$ 48,633	\$ 53,891	\$ 61,717	\$ 65,069	\$ 48,598
Pipe Lines, Except Natural Gas	\$ 151,222	\$ 208,866	\$ 208,048	\$ 412,105	\$ 690,182	\$ 1,472,029
Transportation Services	\$ 29,787	\$ 32,204	\$ 32,118	\$ 38,174	\$ 33,221	\$ 44,723
Communications	\$ 160,173	\$ 158,859	\$ 140,019	\$ 142,566	\$ 119,148	\$ 108,895
Utilities	\$ 265,989	\$ 245,336	\$ 245,700	\$ 286,231	\$ 249,215	\$ 246,833
Wholesale Trade	\$ 75,739	\$ 76,921	\$ 78,195	\$ 81,918	\$ 62,759	\$ 62,392
Retail Trade	\$ 26,142	\$ 28,151	\$ 28,090	\$ 33,321	\$ 26,661	\$ 27,563
Banking	\$ 96,535	\$ 111,046	\$ 119,009	\$ 117,500	\$ 99,574	\$ 126,554
Credit Agencies	\$ 20,857	\$ 45,884	\$ 38,426	\$ 51,987	\$ 25,676	\$ 31,258
Security and Commodity Brokers	\$ 74,198	\$ 42,058	\$ 83,422	\$ 95,975	\$ 108,426	\$ 100,312
Insurance Carriers	\$ 81,884	\$ 80,635	\$ 83,701	\$ 60,061	\$ 95,662	\$ 98,674
Insurance Agents and Brokers	\$ 31,336	\$ 33,411	\$ 34,604	\$ 35,875	\$ 29,277	\$ 29,125
Real estate	\$ 268,918	\$ 242,662	\$ 251,323	\$ 254,984	\$ 222,919	\$ 244,017
Hotels and Lodging Places	\$ 29,641	\$ 29,973	\$ 31,543	\$ 33,319	\$ 24,885	\$ 24,874
Personal services	\$ 16,933	\$ 16,991	\$ 17,187	\$ 17,213	\$ 14,695	\$ 14,969
Business services	\$ 21,603	\$ 24,361	\$ 24,908	\$ 24,951	\$ 15,211	\$ 15,004
Automotive services	\$ 39,571	\$ 40,561	\$ 45,667	\$ 49,746	\$ 44,690	\$ 47,835
Repair services	\$ 31,635	\$ 32,145	\$ 33,267	\$ 33,518	\$ 25,527	\$ 29,068
Motion Pictures	\$ 25,071	\$ 27,708	\$ 25,602	\$ 36,002	\$ 12,580	\$ 12,971
Recreation services	\$ 26,526	\$ 29,479	\$ 29,384	\$ 33,558	\$ 30,556	\$ 28,340
Health services	\$ 42,141	\$ 44,356	\$ 43,599	\$ 44,566	\$ 35,959	\$ 37,114
Legal Services	\$ 67,422	\$ 39,849	\$ 69,660	\$ 70,314	\$ 48,709	\$ 51,607
Education services	\$ 20,262	\$ 22,590	\$ 23,334	\$ 23,062	\$ 16,101	\$ 16,145
Social services	\$ 20,075	\$ 20,937	\$ 21,890	\$ 21,749	\$ 23,054	\$ 24,639
Non-profit organizations	\$ 19,428	\$ 19,692	\$ 19,164	\$ 16,337	\$ 21,233	\$ 21,590
Professional services	\$ 33,230	\$ 39,007	\$ 40,220	\$ 45,108	\$ 33,393	\$ 39,491
State & local non-ed government	\$ 40,745	\$ 46,412	\$ 39,297	\$ 52,393	\$ 53,674	\$ 55,830
Federal non-military	\$ 75,732	\$ 52,475	\$ 52,146	\$ 54,406	\$ 58,529	\$ 57,843
Special sectors	n/a	n/a	n/a	n/a	n/a	n/a
Federal Government - Military	\$ 44,312	\$ 87,264	\$ 91,946	\$ 102,719	\$ 103,677	\$ 106,205
State & Local Government - Education	\$ 33,470	\$ 31,418	\$ 40,405	\$ 36,417	\$ 36,905	\$ 38,334
Domestic Services	\$ 11,466	\$ 10,821	\$ 11,151	\$ 12,072	\$ 12,000	\$ 12,688