

RESEARCH PROJECT:

Hibbing Business Retention and Expansion Survey and Report Series

Report #4: Hibbing Industries' Trends

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Executive Summary

This report follows the outline of Michael Porter's conditions for economic development. These include the following: (1) Factor Conditions, (2) Demand Conditions, (3) Firm Strategy, and (4) Related and Supporting Industries in the Community. Each is briefly summarized with supporting Hibbing employment data. While not used in the narrative, the Appendix to this report also contains data on Output, Value Added, and Earnings. The reader is encouraged to review these data for the details they provide. Much of these data constitute a situational audit for Hibbing's economy which could be used in a strategic planning effort for the community.

Factor Conditions:

It appears that both the workforce and workforce needs of the Taconite Relief Area are in more traditional occupation classifications based on a 1998 survey of the Taconite Relief Area. Nurses, cooks, and store managers lead the list of needed occupations. However, Northeast Minnesota is catching up to the rest of the State in possible labor shortages. This could be an area of concern in Hibbing's development planning efforts.

Demand Conditions:

This section of the report goes a long way towards answering the questions, "Who are we?" and "Where are we going?" State and Local Government lead the list of employers in the Hibbing area. Most of the spin-off effects from these enterprises come from employee earnings and expenditures. Iron Ore Mining represents the largest exporter from the region. The industry was relatively stable between 1995 and 1997, the latest year for which data are available. Recent concerns about steel dumping are not reflected in these data and could be the subject of further scrutiny. Like State and Local Government, Iron Mining's indirect effect on Hibbing's economy comes mostly out of the earnings of its employees resulting in household expenditures. Manufacturing is important to the Hibbing community led by Electronic Components. This industry is growing nationally, which bodes well for this portion of Hibbing's economy. Several other industries classified as being a part of manufacturing also contribute to the strength of Hibbing's economy. Health Care in various forms is also over-represented in Hibbing relative to both the State of Minnesota and the rest of Northeast Minnesota. This industry bears watching and, where possible, community support. Most trade sectors are under-represented in Hibbing when compared to the State of Minnesota and to Northeast Minnesota. Employment in many trade sectors declined in absolute terms between 1995 and 1997. Much of this decline can be linked to gains in other Northeast Minnesota regions. Of particular note is the decline in Wholesale Trade and in General Merchandise Stores. Further research on Hibbing's retail industry may be warranted.

Firm Strategy:

Surveys and focus groups would be needed to fully address this issue. The report simply outlines some of the elements involved in assessing firm competition and cooperation levels in the interest of Hibbing's economic development efforts.

Related and Supporting Industries:

Affordable housing is important to those regions offering jobs at the lower wage levels. An analysis of Housing Construction employment shows Hibbing to be under-represented relative to the State and to the broader Taconite Relief Area region. However, concentrating on Hibbing alone may miss outside construction firms coming into the community to build new housing. An analysis of housing beyond these generalizations is outside the scope of this project.

An analysis of the supply chain towards the basic industries was undertaken. For example, Electrical Components is seen to interact with other industries in the region to a significant extent. Business Services was another sector that brings with it significant demand for other local industrial outputs.

RECOMMENDATIONS:

Several recommendations stem from the data and generalizations contained in the report. These include:

- Local firms should be involved in assuring an adequate workforce for the future. This includes becoming more involved in the education and training process. At a minimum, we recommend that local firms and prospective employees take greater advantage of the Minnesota Workforce Center network than has previously been the case.
- The first place to look for future development is in those industries supplying Hibbing's economic base. Import replacement possibilities should be explored and encouraged. Also, attention should be paid to manufacturing concerns that plan to expand or re-locate from the Twin Cities area. Routine manufacturing concerns have been moving towards more rural areas in recent times and could constitute a key development strategy for the community. Continuing attention should be paid to the community's health care industries and to the possibility of expanding Wholesale and General Merchandise store retail opportunities.
- If it is deemed to be a problem, a detailed analysis of Hibbing's current and projected housing needs might be undertaken. Specifically, an analysis of income structure of local households leading to the need for affordable housing may aid in future workforce development and attraction efforts.
- The Chamber is encouraged to go beyond the narrative of this report and delve into the numbers

contained in the Appendix. Opportunities for further development are often suggested by such a detailed look at the data.

- The community may want to begin to identify industrial targets for future development. This involves, formally or informally, the development of a strategic, economic-development oriented plan for the community. Targeting specific areas avoids the hit or miss “shotgun” approach to economic development. However, the element of chance does exist. The community should also be flexible enough to take advantage of unforeseen opportunities when they arise.
- Hibbing should consider working with other, nearby communities in assessing regional opportunities and advantages. While competition between communities is often healthy, areas of cooperation and mutual advantage can also be a strong development tool for the region and for the community.

Hibbing Business Retention and Expansion Survey and Report Series Report #4: Hibbing's Industries' Trends

Report

Introduction

Based on best available data, this report provides a preliminary look at industries that might be targeted to fit into the community. A situation audit such as this constitutes an important first step in any development oriented strategic planning effort that might be undertaken. However, a complete industrial targeting effort is beyond the scope of this project. Previous studies of Hibbing's economy in this series have been limited to discussions of Hibbing's past and present economic base as well as detailed analyses of base and supporting industries.¹

At the national level, projects of industrial targeting have been following the suggested paradigm of Michael Porter.² Porter asserts that economic development depends upon the following elements:

1. **Factor** conditions—such as the character and availability of a suitable workforce in the region.
2. **Demand** conditions—such as the nature of exports from the region or the need for intermediate inputs to the community's

production currently imported from outside the region.

3. **Firm strategy**,—meaning the ability of firms to work together for the collective good while still maintaining a competitive posture.
4. **Related and supporting industries** in the community—such as local suppliers, industries providing infrastructure requirements, and industries that provide development leadership to the community.

But in addition to these primary categories, there is always the element of chance. While the community cannot control chance as a development strategy, it can provide the business climate where positive (if serendipitous) outcomes can result.

Another side element that can have an influence listed by Porter is government; and how much government can really do has been a long standing source of debate in the economics profession.

How does Porter's paradigm relate to a study such as this? It comes down to the location and expansion decisions of firms. Questions come to mind such as: Which industries can be brought to the region most efficiently, in other words, at the least cost to the firm and to the region? Which industries are most likely to find the region to be attractive? Which industries fit with what is already there? Which industries are likely to bring the most

¹See Hibbing Business Expansion and Retention Survey Report, and Hibbing Economic Base 1997, 1998, (1999 *forthcoming*) at <http://sbe.d.umn.edu/ced/bber.htm>

²Michael Porter, *The Competitive Advantage of Nations*, Free Press, New York, 1990.

benefits to the region?

While it is beyond the scope of this project to conduct a relative cost analysis for the industry and community, and it is also beyond the project's scope to try to identify specific firms for industrial targeting efforts, what we are able to offer relates to the question dealing with industries that might fit into the existing economy and to the question dealing with the impact such industries might have on the community. Both of these questions concern Porter's "demand conditions" as well as related and supporting industries in the community, and are identified as key components to Porter's analysis.

The following report will discuss Hibbing's economic development and attempt to assist Hibbing's strategic planning effort in terms of the following questions: Who are we? Where are we going? What niches are implied by our current structure and trends?

It should be understood that the concept of economic development has many dimensions. Which dimension is chosen for a particular development effort depends on elements in a development-oriented strategic plan, as adopted and accepted by the community. For example, a plan that emphasizes new value added activity in the region may look different from a plan that emphasizes levels of export activity. A plan that emphasizes employment may differ from a plan that emphasizes worker or household income.

We assume that level of employment is the emphasis for Hibbing, and this is consistent with our earlier reports for the community. We recognize that other possibilities may also be consistent with Hibbing's vision. The data used are taken from

IMPLAN,³ a software system with data purchased specifically for this analysis. The data year is 1997, the latest for which IMPLAN data are available.

Porter Element #1: Factor Conditions

While an analysis of factor conditions is not a part of this study, we can draw on other research for Hibbing's region for a few comments. In 1998, firm and household surveys were administered for the Taconite Relief Area and the Twin Ports communities to determine workforce needs and availability.⁴ Cost considerations prevented a sample size large enough to statistically separate Hibbing from the Relief Area. However, some generalizations for the region hold implications for Hibbing.

■ The Regional Firm Perspective

First, the surveys indicated that about a quarter of regional firms looking for workers were having difficulty finding workers. The firms also indicated that the skills for which they were looking were in the more traditional categories as opposed to high technical skills. Nurses were number one in these skill categories, followed closely by cooks and individuals having non-technical computer skills. Firms also expressed difficulty in finding workers with basic skills (showing up for work on time, being

³Minnesota IMPLAN Group, Inc., IMPLAN System (1997 data and software), 1940 South Greeley Street, Suite 101, Stillwater, MN 55082, www.implan.com, 1999.

⁴See Northeast Minnesota Skills Assessment Project at http://sbe.d.umn.edu/ced/northeast_skills/index.htm

able to read a manual, being able to follow instructions, etc.). In many instances, the survey indicated that firms having the greatest difficulty were those paying wages below the state average for the skills they were seeking.

■ The Regional Household Perspective

The household survey indicated that the worker skills in the region matched needed skills. Most household skills were also in the traditional categories. However, many of the households indicated that they were working in jobs that underutilized their skills and paid less than their skills would realize elsewhere in the state. Answers to these series of questions would indicate possible underemployment in the region. What is more, workers in the region are willing to commute reasonable distances to get to their jobs, should the job be right. Half indicated they would be willing to commute 15 to 60 miles for a suitable job. A significant number of individuals indicated they would accept a second job if the conditions were right. What is more, a quarter indicated they were planning to quit their current employment sometime in the coming year. *All of this implies that the current workforce is accepting jobs at lower pay and also accepting jobs that underutilize their skills in order to stay in the region.*

■ Finding Workers and Jobs

Both workers and employers indicated that they use informal methods (for example, word of mouth) in the process of seeking and finding work. The Internet is rarely used by firms or by employees in

this job matching process. The newspaper and word of mouth are a much more common approach. There are strong indications that the Minnesota Workforce Centers in the region are underutilized by both employers and workers. Very few of the firms indicating difficulties in finding workers utilized the Workforce Center, for example.

■ Training

Households indicated a strong propensity for training. Many were upgrading their skills at their own expense. Several indicated an interest in learning more about the computer and its applications to work.

■ Willing to Commute?

Finally, there were indications that individuals outside the region would be willing to commute to the region *should adequate employment be available*. Households in the region were asked if they had close relatives living outside the region. Approximately 40% responded in the affirmative. They were then asked whether these relatives would like to move back into the region. 40% of the 40% said yes. Interested in this result, the research team asked a question on the Minnesota Center for Survey Research's annual omnibus survey for the entire state. We asked where households would like to live should a suitable job be available. *Northeast Minnesota was the only region in the state where more people would like to move in than to move out.*

RECOMMENDATIONS:

All of this indicates an adequate workforce for the region, at least in the near term. However, there are wage and skill utilization issues in the region that could serve to change this situation. It is also true that new approaches to seeking work and finding workers would make the regional labor picture more efficient. At a minimum, we recommend a program that encourages both prospective employers and employees to better utilize the Workforce Centers that are already available in the region. Further, especially for management positions, prospective employers should learn to use the Internet to find employees. While the informal process is efficient in many ways, possible future worker shortages will make this approach increasingly difficult to maintain. Finally, current efforts underway to match high school and post secondary education training programs to the needs of the region should be encouraged. Firms need to become more involved in helping local educational institutions to provide a workforce for the future. Firms also have to be more involved in direct student contact through mentoring, internships, and apprentice programs to assure an adequate skill base for the region's economic future.

Porter Element #2: Demand Conditions

The "demand conditions" portion of this report is the heart of what the UMD Bureau of Business and Economics Research contracted with the Hibbing Chamber to accomplish. This section will, therefore, constitute the largest portion of this report.

Demand conditions are measured by the demand for a region's goods and services. Export base theory states that external demand for regional outputs bring money into the region which is spent

and re-spent in the region, generating income and jobs. The appendix to this report provides the data detail for many of the assertions being made here.

[The Appendix to this report also contains data on Output, Value Added, and Earnings. The reader is encouraged to review these data for the details they provide. Much of these data constitute a situational audit for Hibbing's economy which could be used in a strategic planning effort for the community.]

- Interestingly, **State and Local Government** represent the largest Hibbing employers. In both instances, government in Hibbing as a percentage of total employment is much larger than for the State as a whole. Over 1,700 employees work in this sector, 801 of which work in education. Education is identified as being an important part of Hibbing's base in this regard.
- It almost goes without saying that the leading private sector exporter in the region is **Iron Ore** mining and first stage processing. We can not over-emphasize the importance of this industry to Hibbing's economy. Maintaining a healthy business climate for this very key industry should be a priority of the region and of the community of Hibbing.

Related to mining is the exporting presence of the Iron and Steel Foundries sector. This industry employes 147 individuals in Hibbing, but is seen as basic when compared to other regions in the State. If a complete industrial targeting analysis were to be conducted, further analysis

of this sector might be a first step.

- The **Electrical Components and Printed and Circuit Boards** industries are also seen as basic to the region. These industries are strongly represented in Hibbing when compared to the rest of the State. Approximately 400 individuals are employed in these industries. The two industries represent growing sectors in the nation and could be likely candidates for expansion or for attracting new firms into the community. The base that is already here, with adequate workforce training programs, could serve as an attraction for other firms producing similar products.
- The medical community is also key to Hibbing's economy. **Hospitals, Doctors and Dentists, Nursing and Protective Care, and Other Medical and Health Services** are all identified as being basic to the region. Given the indication that nurses are among those skilled occupations in which firms are having difficulty attracting workers, additional training, better search processes, and improving compensation levels for this skill may be in order for the region. Other efforts aimed towards maintaining the viability of this important sector may also be in order.
- Other manufacturing industries basic to the region include: Blowers and Fans manufacturing, Boiler Shops, and Fabricated Rubber Products.
- **Trade sectors** are generally under-represented in the region. Eating and Drinking places

employ 539 individuals in Hibbing, but are under-represented when compared to the rest of the State. So too is the Wholesale Trade sector, employing over 440 individuals. General Merchandise Stores employ about 200 individuals, but are under-represented when compared to the rest of the State, as are Hotels and Lodging places.

A few trade sectors are over-represented when compared to the rest of Minnesota: Food Stores, for example, and Automotive Dealers & Service Stations, Automotive Repair and Services, Laundry, Cleaning and Shoe Repair Shops, and Apparel & Accessory Stores. Of these, the areas where expansion could be in the offing are in the Wholesale Trade and in the General Merchandise Stores sectors. However, certain kinds of expansion in the latter of these two could change the relative position of some of the other sectors, such as Apparel & Accessory Stores.

- The construction sectors are always hard to analyze since they represent among the most volatile of industrial sectors. However, in 1997, **New Residential Construction** was under-represented in Hibbing when compared to the rest of the State. With affordable housing a concern throughout the State, this could be significant. However, it could also indicate that a significant number of construction firms are located outside of Hibbing but producing housing in Hibbing.
- A few service sectors are under-represented

and could be candidates for *import replacement* (produce substitutes for imported essentials and reduce dependency on external markets). Legal Services are an example of this class of industry. Business Services, Repair Shops, Security and Commodity Brokers represent other possibilities.

This is who Hibbing is as an economic community. What are the absolute and relative trends applied to these important sectors? All of the following trend comparisons are for the years 1995 to 1997.

State and Local Government was the first sector summarized above. In looking at the trends, we see a positive change of over 250 for this sector in absolute terms. We do note that government is a slow growth sector nationally, when compared to other sectors, and a part of that lagging employment performance is reflected in Hibbing's change as well. We see little to be alarmed about in terms of the trends in this industry.

Iron Ores posted a modest absolute gain in employment during these years while posting a corresponding modest increase in gross output. The industry exhibits slower growth than other national industries, which is reflected in the local data. However, the trend in this industry from a data point of view is generally positive. Since the analysis presented here is data driven, issues such as foreign dumping of steel and projected future trends would require separate analysis. As things stand now, there is little to be concerned over regarding this important industry in the near term. The industry is so important, however, that constant monitoring would be prudent.

The **Electronic Components** industry shows a strong local trend. The current (1997) industry's employment of 444 individuals shows this to be a strong, industry in the region.

The **Hospital** industry shows a slight increase in employment over this period of 29 individuals. The effort to keep this industry viable could be an important retention effort for the community. The total employment for hospitals (1997) is 499, and shows it to be a basic industry to the area.

Other **manufacturing** sectors all posted gains in employment and output. The gains in employment range from 50 to 80 individuals. The manufacturing sector of Hibbing's economy is doing relatively well. This broad classification could well hold the greatest prospect for further growth of the community.

The **trade** sectors are not doing as well. Wholesale Trade lost close to 300 people during this time period. Indications are that much of this loss was due to a loss in Hibbing's competitive position with respect to this industry. We do not know the reasons behind this loss, but further local scrutiny of this industry may be in order. Some of the other retail sectors also posted competitive losses, including Miscellaneous Retail (-61 jobs), as well as Eating and Drinking Places and Food Stores.

RECOMMENDATIONS:

State and Local Government Services, Iron Mining, various sectors involved in health care delivery, Electronic Components, and specialty manufacturing enterprises comprise Hibbing's economic base. It is upon this base that future economic prospects build. Finding supporting industries, maintaining an adequate workforce

specific to these industries, and exploring import replacement possibilities relative to these industries might all represent useful activities.

Manufacturing is an especially strong component in Hibbing's base. These are sectors with positive trends and strong performance. Without further analysis, this should be taken only as a possibility but routine manufacturing is moving out of urban towards more rural areas in search of reasonable wage levels. Exploring the possibility of attracting expanding or re-locating firms out of the Twin Cities metro or other urban areas may represent a very real opportunity in this regard. The selling point would then be Hibbing's existing orientation towards manufacturing activity, with firm expertise, workforce, and related availabilities. Of course, having adequate land available for such industrial activity is a minimum requirement for such development. (Analysis of land availability is beyond the scope of this project.)

The trade sectors, both wholesale and retail, are also exhibiting sluggish performance. Further analysis of these sectors could very well be in order. Market area analysis and finding key retail sectors where development is possible or likely would be a good next step relative to this generally supporting industry.

Porter Element #3: Firm Strategy

Very little can be said about this component of Porter's analysis without significant further research. The commissioning of this effort by the Hibbing Chamber indicates a willingness on the part of local firms to work together to bring about economic change. However, analysis is only the first part of a strategic plan. The strategic planning process itself requires strong effort on the part of all segments of the local community. In order for the strategic planning process to work, local industry and government personnel at the highest levels of management must, in conjunction with other community leaders, be willing to take the time to develop an effective plan.

As things are evolving at this time, a key element in this strategic planning process would center on workforce maintenance and development. Firms need to get involved in issues that support their own interests. An obvious area in need of this involvement is workforce development. As stated in the Factor Conditions portion of this report, direct relationships with local educational institutions and with students themselves could pay high dividends in this regard. Selling the local community as a place to work and live needs to be undertaken at early ages along with a plan for training and education that develops the skills needed to remain in the region.

This does not mean that local firms do not compete. (Competition is the driving force of capitalism that leads to new products, improved products, and improved production processes.) What it does mean is that issues concerning all players in the development process, such as workforce development, can be approached in a cooperative manner, to the advantage of all.

No specific recommendations beyond the above generalities can be offered in this section of the report.

Porter Element #4: Related and Supporting Industries

One issue that comes up quite often in rural development oriented conversations is that of affordable housing. This relates strongly to the construction sector of the economy.

It should be understood that affordable housing is an infrastructure requirement for attracting and retaining traditionally skilled workers, earning a relatively low wage. If wages and income are sufficiently high in a region, the construction sector is among the most elastic of industries, in other words, the market will take care of the problem. It is when we are attempting to maintain traditional industries employing traditionally skilled employees, that housing becomes a potential problem.

Employment in the New Residential Structures sector is low in Hibbing relative to the State. This could easily mean that construction firms from outside of Hibbing are being used. It is interesting to note that New Residential Structures is also under-represented in Hibbing relative to Northeast Minnesota taken as a region, again indicating either the use of outside construction firms or limited housing development in the year 1997.

Another way to look at related and supporting industries is to look at the supply chain for the region. Exporting industries bring with them demand for locally produced goods and services and for labor supplied by local households. Households, in turn, spend their income in the locality while the supplying

firms themselves buy locally and hire local talent. It is these first and second round effects that create the often talked about "multiplier" process for a region.

For example, local industries that supply the Electronic Components sector were found to be Printed Circuit Boards, Instruments to Measure Electricity, Electrical Repair Services, Aircraft Services, and Mechanical Measuring Devices. Other local industries that depend at least in part on the Electronic Components sector include Eating and Drinking Establishments, Sausages and Other Prepared Meats products, and several medical sectors.

On the other hand, Iron Mining, as important a sector as it is, buys relatively little from the local community. This industry's impact is mostly from the local income that is generated through employees at the various plants.

Local Business Services buys quite a bit locally, including from Hospitals, Legal Services, Social Services, Automotive Dealers & Service Stations, Apparel Accessory Shops, Nursing and Protective Care, Electronic Components, N.E.C., and several other lessor suppliers. *This sector exerts a significant secondary impact on the region.*

Looking at multiplier values for the most important industries in the region can be instructive. *One possibility for economic development would be to concentrate efforts on those industries that have the greatest potential secondary benefits for the region.* The two ways in which this can come about are 1) the direct purchases from other industries in the region from the sector being analyzed, and 2) through employee purchases in the region the level of which is related, at least in part, to

the level of income earned.

For example, State and local government employment generates a 1.2 multiplier for the Hibbing economy. This means that .2 jobs are generated due to local purchases from other industries and due to employee income being spent in the region for every government job.

Iron Ores exerts a relatively low multiplier from purchasing from other Hibbing industries but a much larger multiplier because of the induced effects from employee purchases.

Hospitals generate .47 jobs in the region for every hospital job, with a relatively low direct effect and a much larger effect from employee earnings spent in the region.

Electronic Components has a multiplier comparable to that of Iron Mining, generating 1.2 jobs for every job in this industry. Much of the additional employment is due to the fact that this industry buys from other local industries although there is also significant employee spending impacts as well.

Retail and Wholesale sectors generally generate significantly fewer second round jobs than do the other sectors identified above. For example, General Merchandise Stores generate only .18 jobs in Hibbing for every job in Retail, both related to local purchases and employee purchases, for every direct job in the industry.

RECOMMENDATIONS:

Attention needs to be paid to Hibbing's infrastructure. In a more complete study, similar industries in the State and National economies would be analyzed to see if there is a chance for import replacement. A survey of firms attempting to

determine where they purchase intermediate products might also suggest import replacement opportunities. Both are beyond the scope of this particular project.

In addition, an analysis of Hibbing's current structure of high, medium, and low cost housing could be undertaken. Included in any such analysis should be an analysis of the workforce issues that generate the need for housing in the region. Any strategic plan should include a situation audit of this type along with an analysis of the implications of these needs for the types of industries that can be encouraged in the community.

Of course, any time local industries can become competitive in supplying the export base of the region, new secondary impacts can be generated for the community. Looking for opportunities in the supply chain of the locality could enhance Hibbing's economic fortunes.

Further Notes

The above observations represent an important first step to industrial cluster analysis - the analysis of possible areas for future growth. All of the assertions above are data driven based on employment information. The appendix to this report presents the raw data.

When embarking on an industrial targeting program, the community must think about its economic goals. The types of industries you try to attract are based in large measure on the opportunities afforded by what is already there. The types of industries you try to attract are also based on your goals for the community. Possible goals include, employment, value added enterprises, household income, and export enhancements. While

any community wants all of the above, there are often trade-offs in seeking one as opposed to other possibilities.

Finally, analysis of a broader geographic area surrounding Hibbing might be in order. Hibbing does not exist in a vacuum; regional trends should be monitored on a regular basis and the implications of these trends for Hibbing's plan should be determined. Just as Porter identified firm competition and strategy as important components to a locality's development, Hibbing's place in the broader region's economy requires competition at

RECOMMENDATIONS:

While numbers are often boring and difficult to interpret, they are the guts of any situational audit. We strongly recommend that Hibbing explore the numbers in the appendix to look for levels and trends in industries that are important to the community beyond those summarized in this report.

We also recommend the community begin to think about the type of industrial prospecting that it would like to pursue based on various measures of economic performance. A tracking system might be put in place to monitor advances and setbacks for these industries as well as the extent to which they contribute to Hibbing's economic goals. Occasional (expensive) forecasting conferences might be a good idea to get a handle on the future economic climate for the community.

While early elements of a strategic economic development plan are contained in the numbers of the data appendix, there are many other elements that need to be considered. Hibbing may want to embark on such a planning process for future development in the region. As recommended above, this planning process should include representatives from all stake holding groups in the region.

some points and cooperation elsewhere. Recognizing when to do which could be key to Hibbing's place in that regional economy.

Sources:

For explanations of Shift-Share and Location Quotient Analysis please see previous reports in this series:

Hibbing Business Retention and Expansion Survey and Report Series:

Report #1: Hibbing's Economic Base <<http:sbe.d.umn.edu/ced/bber.htm>>

Hibbing Business Retention and Expansion Survey and Report Series:

Report #2: Survey Findings <<http:sbe.d.umn.edu/ced/bber.htm>>

Bureau of Business and Economic Research, UMD Center for Economic Development. *Minnesota Power Presents Economic Snapshots: Our Region Today and Tomorrow. Supporting Data* (MS Word 97 downloadable file: dataset.doc; Acrobat file: Executive Summary. <<http:sbe.d.umn.edu/ced/MPKeyimpact.htm>>)

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Data Appendix

For explanations of Shift-Share, Location Quotient, and Input-Output Analysis please see previous reports in this series:

Hibbing Business Retention and Expansion Survey and Report Series:

- Report #1: Hibbing's Economic Base <<http:sbe.d.umn.edu/ced/bber.htm>>
- Hibbing Business Retention and Expansion Survey and Report Series:
- Report #2: Survey Findings <<http:sbe.d.umn.edu/ced/bber.htm>>

Table 1: Hibbing's Exporting and Supporting Industries,

Source: 1996 IMPLAN Data, Location Quotients (As Compared to the State)

Major Group

**Hibbing's Exporting Industries
(Ranked by location quotient.)**

Manufacturing	Oil Field Machinery
	Plumbing Fixture
	Surface Active Agents
	Aircraft
	Plastic Material and Iron and Steel
	Electronic
	Blowers and Fans
	Fabricated Rubber
	Fabricated Plate Work
	Lubricating Oils and Logging Camps and Metal Doors Sash and Canned and Cured
	Paving Mixtures and Pottery Products, Coated Products, Not
	Transformers
	Sausages and Other Secondary Nonferrous Elevators and Moving Industrial Furnaces
	Printed Circuit Boards
Games, Toys, and Instruments to Truck Trailers	
Machine Tools, Metal Transportation	
Metal Stampings, Macaroni and	
Services	Electrical Repair
	Laundry, Cleaning and Other Medical and Colleges, Universities
	Labor and Civic
	Other Business
	Advertising
	Hospitals
	Funeral Services and Nursing and protective
	Elementary and Doctors and Dentists
	Portrait and
	Automobile Repair and Child Day Care
Retail	Apparel & Accessory
	Food Stores
	Automotive Dealers & Building Materials &
Mining	Iron Ore

Suppliers to Hibbing's top exporting industries

Source: IMPLAN 1996 Hibbing Zipcode Data

Hibbing User Matrix Top 10: Column 1 purchases value in column 3 from column 2.

Manufacturing

IMPLAN	Industry description	IMPLAN	Purchase Value	Industry description
			()	
378	Electronic Components, N.E.C.	378	7.87	electronic components N.E.C.
378	Electronic Components, N.E.C.	376	0.56	printed circuit boards
191	Plastics, Materials and Resins	219	0.38	fabricated rubber products, N.E.C
191	Plastics, Materials and Resins	191	0.28	plastics, materials abd resins
191	Plastics, Materials and Resins	378	0.21	electronic components, N.E.C
59	Sausages and Other Prepared Meat	454	0.18	eating & drinking
59	Sausages and Other Prepared Meat	59	0.14	sausages and other prepared meat
191	Plastics, Materials and Resins	220	0.11	miscellaneous plastics products
378	Electronic Components, N.E.C.	404	0.08	instruments to measure electricity
378	Electronic Components, N.E.C.	480	0.08	electrical repair services
378	Electronic Components, N.E.C.	389	0.06	aircraft
378	Electronic Components, N.E.C.	403	0.06	mechanical measuring devices
259	Iron & Steel Foundries	28	0.05	iron ores
191	Plastics, Materials and Resins	280	0.04	plumbing fixture fittings and trim
378	Electronic Components, N.E.C.	373	0.03	radio & tv communication equipment
191	Plastics, Materials and Resins	389	0.02	aircraft
191	Plastics, Materials and Resins	376	0.01	printed circuit boards
191	Plastics, Materials and Resins	119	0.01	coated fabrics, not rubberized
59	Sausages and Other Prepared Meat	491	0.01	nursing, protective care
59	Sausages and Other Prepared Meat	492	0.01	hospitals
191	Plastics, Materials and Resins	368	0.01	wiring devices
219	Fabricated Rubber Products, N.E.C.	219	0.01	fabricated rubber products N.E.C.

Mining

28	Iron Ores	28	0.00	Iron Ores
28	Iron Ores	259	0.00	Iron & Steel Foundries
28	Iron Ores	263	0.00	Secondary Nonferrous Metals
28	Iron Ores	295	0.00	Plating and Polishing
28	Iron Ores	313	0.00	Oil Field Machinery

Services

493	Other Medical and Health Services	490	0.88	Doctors and Dentists
470	Other Business Services	447	0.47	Wholesale Trade
470	Other Business Services	506	0.44	Engineering, Architectural Services
470	Other Business Services	490	0.33	Doctors, Dentists
496	Colleges, Universities, Schools	28	0.24	Iron Ores
470	Other Business Services	470	0.20	Other Business Services
470	Other Business Services	28	0.19	Iron Ores
470	Other Business Services	493	0.15	Other Medical and Health Services
470	Other Business Services	492	0.15	Hospitals

470 Other Business Services	494	0.13	Legal Services
470 Other Business Services	500	0.12	Social Services, N.E.C.
470 Other Business Services	451	0.12	Automotive Dealers & Services Stations
470 Other Business Services	452	0.10	Apparel Accessory Shops
470 Other Business Services	491	0.10	Nursing, Protective Care
470 Other Business Services	378	0.10	Electronic Components, N.E.C.
470 Other Business Services	460	0.09	Insurance Agents & Brokers
470 Other Business Services	463	0.09	Hotels & Lodging Places
470 Other Business Services	456	0.08	Banking
470 Other Business Services	504	0.08	Labor & Civic Organizations
470 Other Business Services	454	0.07	Eating & Drinking
470 Other Business Services	174	0.07	Newspapers
470 Other Business Services	462	0.07	Real Estate
470 Other Business Services	450	0.07	Food Stores

Top Ten Output Producing Industries

Top Ten Output Producing Industries:

Hibbing 1996
(Output in Millions of 1997
Dollars)

Industry	Output
Iron Ores	\$198
State and Local Government	64
Electronic Components	51
Wholesale Trade	43
Doctors and Dentists	34
Hospitals	23
Plastic Materials and Resins	21
Maintenance and Repair Other Facilities	18
Iron and Steel Foundries	17
Eating and Drinking	16

Top Ten Employing Industries

Top Ten Employers: Hibbing

1996

Industry	Employment
State & Local Government	1,763
Iron Ores	858
Eating & Drinking	520
Wholesale Trade	453
Hospitals	404
Doctors and Dentists	379
Labor and Civic Organizations	332
Food Stores	313
Nursing and Protective Care	310
Electronic Components	294

Top Ten Value-Added Industries

Top Ten Value Added Industries: Hibbing

1996

(Output in millions of 1997
dollars)

Industry	Value
Iron Ores	52
State & Local Government	64
Wholesale Trade	30
Doctors and Dentists	30
Hospitals	22
Maintenance and Repair Other Facilities	15
Railroads and Related Services	10
Electronic Components	9
Real Estate	9
Food Stores	8

HIBBING DATA APPENDIX

Employment

Location Quotients

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Shift-Share

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Output

Location Quotients

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Shift-Share

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Value Added

Location Quotients

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Shift-Share

Hibbing vs Northeast Minnesota
Hibbing vs Minnesota

Note: Industry Output and Value Added reported in millions of dollars.

Source: Minnesota IMPLAN Group, Inc., IMPLAN System (1997 data and 1999 software IMPLAN Pro version 2), 1940 South Greeley Street, Suite 101, Stillwater, MN 55082, www.implan.com, 1999.

1997 Employment Location Quotient Analysis

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Hibbing as compared to

Northeast Minnesota

Sorted by:

	Industry	Hibbing 97	North East MN 97	LQ
	Total	11596	177579	
523	State & Local Government - Non-Education	982	13150	1.14
28	Iron Ores	893	6313	2.17
522	State & Local Government - Education	801	11627	1.06
454	Eating & Drinking	539	9985	0.83
447	Wholesale Trade	444	5095	1.34
492	Hospitals	427	6419	1.02
490	Doctors and Dentists	411	6633	0.95
504	Labor and Civic Organizations	340	4243	1.23
491	Nursing and Protective Care	329	3180	1.58
493	Other Medical and Health Services	310	2093	2.27
450	Food Stores	303	4498	1.03
378	Electronic Components, N.E.C.	301	334	13.81
455	Miscellaneous Retail	270	7179	0.58
56	Maintenance and Repair Other Facilities	262	3276	1.22
470	Other Business Services	238	1022	3.56
496	Colleges, Universities, Schools	226	1198	2.88
451	Automotive Dealers & Service Stations	221	4062	0.83
449	General Merchandise Stores	203	3718	0.84
464	Laundry, Cleaning and Shoe Repair	189	764	3.79
520	Federal Government - Non-Military	165	1977	1.28
452	Apparel & Accessory Stores	154	2043	1.15
259	Iron and Steel Foundries	147	323	6.96
434	Local, Interurban Passenger Transit	133	887	2.30
48	New Residential Structures	121	2437	0.76

480	Electrical Repair Service	121	291	6.38
463	Hotels and Lodging Places	119	3911	0.47
462	Real Estate	112	2713	0.63
334	Blowers and Fans	103	103	15.31
519	Federal Government - Military	98	1417	1.06
219	Fabricated Rubber Products, N.E.C.	94	139	10.38
433	Railroads and Related Services	88	835	1.61
376	Printed Circuit Boards	86	88	14.98
49	New Industrial and Commercial Buildings	84	1693	0.76
506	Engineering, Architectural Services	83	730	1.74
448	Building Materials & Gardening	83	1698	0.75
525	Domestic Services	82	998	1.26
495	Elementary and Secondary Schools	81	582	2.14
474	Personnel Supply Services	80	1231	1.00
479	Automobile Repair and Services	80	1185	1.04
512	Other State and Local Govt Enterprises	76	1365	0.85
500	Social Services, N.E.C.	72	1352	0.81
507	Accounting, Auditing and Bookkeeping	71	1989	0.54
456	Banking	70	2168	0.49
513	U.S. Postal Service	67	1692	0.61
460	Insurance Agents and Brokers	65	1111	0.90
55	Maintenance and Repair, Residential	64	805	1.22
284	Fabricated Plate Work (Boiler Shops)	62	63	15.07
54	New Government Facilities	57	1149	0.76
435	Motor Freight Transport and Warehousing	57	2164	0.40
59	Sausages and Other Prepared Meats	56	56	15.31
191	Plastics Materials and Resins	56	56	15.31
469	Advertising	54	180	4.61
494	Legal Services	52	940	0.85
466	Beauty and Barber Shops	45	1142	0.60
453	Furniture & Home Furnishings Stores	42	1024	0.63
389	Aircraft	40	104	5.89
399	Transportation Equipment, N.E.C	38	163	3.54
499	Child Day Care Services	36	311	1.79
442	Radio and TV Broadcasting	33	619	0.82
354	Industrial Machines N.E.C.	32	366	1.32
482	Miscellaneous Repair Shops	31	648	0.74

280	Plumbing Fixture Fittings and Trim	31	81	5.89
174	Newspapers	26	752	0.54
509	Research, Development & Testing Services	24	458	0.81
458	Security and Commodity Brokers	24	352	1.03
51	New Highways and Streets	23	462	0.76
488	Amusement and Recreation Services, N.E.C.	21	3732	0.09
483	Motion Pictures	21	460	0.70
439	Arrangement Of Passenger Transportation	21	187	1.70
476	Detective and Protective Services	20	254	1.20
294	Metal Stampings, N.E.C.	19	30	9.87
50	New Utility Structures	19	384	0.76
467	Funeral Service and Crematories	19	265	1.08
133	Logging Camps and Logging Contractors	19	609	0.47
472	Services To Buildings	18	822	0.33
503	Business Associations	16	290	0.83
505	Religious Organizations	15	288	0.82
457	Credit Agencies	15	549	0.43
465	Portrait and Photographic Studios	15	148	1.56
313	Oil Field Machinery	13	35	5.75
27	Landscape and Horticultural Services	13	623	0.31
441	Communications, Except Radio and TV	12	456	0.39
501	Residential Care	11	2332	0.07
498	Job Trainings & Related Services	10	616	0.26
489	Membership Sports and Recreation Clubs	10	193	0.81
459	Insurance Carriers	10	512	0.29
403	Mechanical Measuring Devices	9	19	7.66
283	Metal Doors, Sash, and Trim	9	13	10.72
52	New Farm Structures	9	183	0.76
437	Air Transportation	9	793	0.18
53	New Mineral Extraction Facilities	9	178	0.75
510	Local Government Passenger Transit	9	87	1.50
355	Transformers	8	22	5.75
485	Bowling Alleys and Pool Halls	8	182	0.70
473	Equipment Rental and Leasing	7	159	0.68
337	Industrial Furnaces and Ovens	7	18	5.75
404	Instruments To Measure Electricity	7	18	5.75
26	Agricultural, Forestry, Fishery Services	6	411	0.24

97	Canned and Cured Sea Foods	6	37	2.46
387	Truck Trailers	6	15	5.89
508	Management and Consulting Services	6	991	0.09
211	Paving Mixtures and Blocks	5	17	4.22
220	Miscellaneous Plastics Products	4	78	0.84
368	Wiring Devices	4	11	5.75
213	Lubricating Oils and Greases	4	13	4.22
130	Automotive and Apparel Trimmings	3	32	1.58
321	Special Dies and Tools and Accessories	3	121	0.39
511	State and Local Electric Utilities	3	47	0.98
484	Theatrical Producers, Bands Etc.	3	147	0.30
179	Commercial Printing	2	370	0.10
198	Surface Active Agents	2	8	4.22
57	Maintenance and Repair Oil and Gas Wells	2	15	2.17
263	Secondary Nonferrous Metals	2	5	5.89
443	Electric Services	2	1449	0.02
314	Elevators and Moving Stairways	2	5	5.75
412	Ophthalmic Goods	2	4	5.75
420	Games, Toys, and Childrens Vehicles	1	12	1.78
295	Plating and Polishing	1	10	2.09
276	Hand and Edge Tools, N.E.C.	1	5	4.63
373	Radio and Tv Communication Equipment	1	3	5.75
319	Machine Tools, Metal Forming Types	1	7	2.50
67	Canned Fruits and Vegetables	1	4	3.83
95	Bottled and Canned Soft Drinks & Water	1	20	0.75
102	Macaroni and Spaghetti	1	3	5.11
119	Coated Fabrics, Not Rubberized	1	34	0.45
241	Pottery Products, N.E.C	1	9	1.66
247	Cut Stone and Stone Products	1	3	5.89
138	Wood Kitchen Cabinets	0	31	0.12
144	Prefabricated Wood Buildings	0	17	0.09
180	Manifold Business Forms	0	2	0.45
182	Blankbooks and Looseleaf Binder	0	2	0.45
128	Canvas Products	0	68	0.01
184	Typesetting	0	2	0.45
129	Pleating and Stitching	0	12	0.06
224	Shoes, Except Rubber	0	7	0.06

158	Metal Partitions and Fixtures	0	2	0.12
475	Computer and Data Processing Services	0	47571	0.00

Hibbing as compared to
Minnesota:

Sorted by:

	Industry	Hibbing 97	MN 97	LQ
	Total	11596	3165131	
523	State & Local Government - Non-Education	982	140670	1.90
28	Iron Ores	893	6314	38.59
522	State & Local Government - Education	801	162085	1.35
454	Eating & Drinking	539	159199	0.92
447	Wholesale Trade	444	160380	0.76
492	Hospitals	427	65826	1.77
490	Doctors and Dentists	411	79914	1.41
504	Labor and Civic Organizations	340	42080	2.21
491	Nursing and Protective Care	329	55834	1.61
493	Other Medical and Health Services	310	26644	3.17
450	Food Stores	303	64252	1.29
378	Electronic Components, N.E.C.	301	3866	21.26
455	Miscellaneous Retail	270	119049	0.62
56	Maintenance and Repair Other Facilities	262	53563	1.33
470	Other Business Services	238	35621	1.82
496	Colleges, Universities, Schools	226	25593	2.41
451	Automotive Dealers & Service Stations	221	57009	1.06
449	General Merchandise Stores	203	66155	0.84
464	Laundry, Cleaning and Shoe Repair	189	16100	3.20
520	Federal Government - Non-Military	165	23667	1.90
452	Apparel & Accessory Stores	154	20583	2.04
259	Iron and Steel Foundries	147	1757	22.78
434	Local, Interurban Passenger Transit	133	13648	2.67
48	New Residential Structures	121	39848	0.83
480	Electrical Repair Service	121	2473	13.39
463	Hotels and Lodging Places	119	32704	1.00
462	Real Estate	112	65228	0.47

334	Blowers and Fans	103	1853	15.11
519	Federal Government - Military	98	20290	1.32
219	Fabricated Rubber Products, N.E.C.	94	2599	9.91
433	Railroads and Related Services	88	5630	4.26
376	Printed Circuit Boards	86	9790	2.40
49	New Industrial and Commercial Buildings	84	27688	0.83
506	Engineering, Architectural Services	83	23446	0.97
448	Building Materials & Gardening	83	22560	1.00
525	Domestic Services	82	13468	1.67
495	Elementary and Secondary Schools	81	14351	1.55
474	Personnel Supply Services	80	73863	0.30
479	Automobile Repair and Services	80	20480	1.07
512	Other State and Local Govt Enterprises	76	12312	1.68
500	Social Services, N.E.C.	72	26243	0.75
507	Accounting, Auditing and Bookkeeping	71	44884	0.43
456	Banking	70	35205	0.54
513	U.S. Postal Service	67	18002	1.02
460	Insurance Agents and Brokers	65	30622	0.58
55	Maintenance and Repair, Residential	64	13163	1.33
284	Fabricated Plate Work (Boiler Shops)	62	2315	7.26
54	New Government Facilities	57	18778	0.83
435	Motor Freight Transport and Warehousing	57	44283	0.35
59	Sausages and Other Prepared Meats	56	4321	3.52
191	Plastics Materials and Resins	56	253	60.01
469	Advertising	54	8462	1.75
494	Legal Services	52	25437	0.56
466	Beauty and Barber Shops	45	24828	0.49
453	Furniture & Home Furnishings Stores	42	24271	0.47
389	Aircraft	40	142	76.61
399	Transportation Equipment, N.E.C	38	4339	2.37
499	Child Day Care Services	36	9539	1.04
442	Radio and TV Broadcasting	33	5667	1.59
354	Industrial Machines N.E.C.	32	10622	0.81
482	Miscellaneous Repair Shops	31	9344	0.92
280	Plumbing Fixture Fittings and Trim	31	94	89.84
174	Newspapers	26	13237	0.54
509	Research, Development & Testing Services	24	11409	0.58

458	Security and Commodity Brokers	24	18220	0.36
51	New Highways and Streets	23	7554	0.83
488	Amusement and Recreation Services, N.E.C.	21	42615	0.14
483	Motion Pictures	21	11064	0.52
439	Arrangement Of Passenger Transportation	21	7804	0.73
476	Detective and Protective Services	20	9327	0.58
294	Metal Stampings, N.E.C.	19	4350	1.21
50	New Utility Structures	19	6281	0.83
467	Funeral Service and Crematories	19	3267	1.56
133	Logging Camps and Logging Contractors	19	902	5.64
472	Services To Buildings	18	19191	0.25
503	Business Associations	16	6280	0.69
505	Religious Organizations	15	4726	0.89
457	Credit Agencies	15	35774	0.12
465	Portrait and Photographic Studios	15	3715	1.11
313	Oil Field Machinery	13	35	102.49
27	Landscape and Horticultural Services	13	11253	0.31
441	Communications, Except Radio and TV	12	15877	0.20
501	Residential Care	11	24889	0.12
498	Job Trainings & Related Services	10	9017	0.31
489	Membership Sports and Recreation Clubs	10	8960	0.31
459	Insurance Carriers	10	41579	0.06
403	Mechanical Measuring Devices	9	7261	0.35
283	Metal Doors, Sash, and Trim	9	438	5.67
52	New Farm Structures	9	2997	0.83
437	Air Transportation	9	29841	0.08
53	New Mineral Extraction Facilities	9	2930	0.81
510	Local Government Passenger Transit	9	1524	1.52
355	Transformers	8	583	3.89
485	Bowling Alleys and Pool Halls	8	3787	0.60
473	Equipment Rental and Leasing	7	3987	0.49
337	Industrial Furnaces and Ovens	7	616	2.99
404	Instruments To Measure Electricity	7	889	2.04
26	Agricultural, Forestry, Fishery Services	6	6397	0.27
97	Canned and Cured Sea Foods	6	348	4.72
387	Truck Trailers	6	621	2.50
508	Management and Consulting Services	6	23206	0.07

211	Paving Mixtures and Blocks	5	335	3.82
220	Miscellaneous Plastics Products	4	16927	0.07
368	Wiring Devices	4	1859	0.59
213	Lubricating Oils and Greases	4	153	6.35
130	Automotive and Apparel Trimmings	3	1367	0.66
321	Special Dies and Tools and Accessories	3	5742	0.15
511	State and Local Electric Utilities	3	510	1.61
484	Theatrical Producers, Bands Etc.	3	4699	0.17
179	Commercial Printing	2	25770	0.02
198	Surface Active Agents	2	8	75.25
57	Maintenance and Repair Oil and Gas Wells	2	188	3.06
263	Secondary Nonferrous Metals	2	170	3.27
443	Electric Services	2	9805	0.05
314	Elevators and Moving Stairways	2	183	2.80
412	Ophthalmic Goods	2	1987	0.23
420	Games, Toys, and Childrens Vehicles	1	241	1.62
295	Plating and Polishing	1	2238	0.17
276	Hand and Edge Tools, N.E.C.	1	1553	0.25
373	Radio and Tv Communication Equipment	1	1579	0.20
319	Machine Tools, Metal Forming Types	1	182	1.69
67	Canned Fruits and Vegetables	1	2466	0.11
95	Bottled and Canned Soft Drinks & Water	1	2094	0.13
247	Cut Stone and Stone Products	1	1364	0.20
102	Macaroni and Spaghetti	1	244	1.12
119	Coated Fabrics, Not Rubberized	1	70	3.90
241	Pottery Products, N.E.C	1	65	4.20
138	Wood Kitchen Cabinets	0	3996	0.02
144	Prefabricated Wood Buildings	0	783	0.04
180	Manifold Business Forms	0	1575	0.01
182	Blankbooks and Looseleaf Binder	0	3200	0.01
128	Canvas Products	0	328	0.05
184	Typesetting	0	936	0.02
129	Pleating and Stitching	0	567	0.02
224	Shoes, Except Rubber	0	1591	0.01
158	Metal Partitions and Fixtures	0	1608	0.00
475	Computer and Data Processing Services	0	47571	0.00

1995 - 1997 Employment Shift-Share Analysis:

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Hibbing as compared to

Northeast Minnesota:

Industry	Northeast 95	Northeast 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
Total	171433	177579	11548	11596				
523 State & Local Government - Non-Education	12080	13150	706	982	25.31	37.24	213.15	275.70
28 Iron Ores	6166	6313	886	893	31.76	-10.70	-14.37	6.70
522 State & Local Government - Education	12105	11627	1068	801	38.29	-80.46	-224.51	-266.68
454 Eating & Drinking	10104	9985	540	539	19.36	-25.74	5.79	-0.59
447 Wholesale Trade	7833	5095	755	444	27.07	-291.00	-46.60	-310.54
492 Hospitals	5837	6419	398	427	14.27	25.42	-10.48	29.21
490 Doctors and Dentists	5481	6633	354	411	12.69	61.74	-16.99	57.44
504 Labor and Civic Organizations	4438	4243	228	340	8.17	-18.18	122.24	112.23
491 Nursing and Protective Care	3800	3180	353	329	12.66	-70.28	33.25	-24.37
493 Other Medical and Health Services	1728	2093	211	310	7.56	36.94	54.35	98.85
450 Food Stores	3791	4498	313	303	11.22	47.13	-68.57	-10.21
378 Electronic Components, N.E.C.	21	334	19	301	0.68	282.30	-0.91	282.07
455 Miscellaneous Retail	7208	7179	313	270	11.22	-12.50	-41.72	-43.00
56 Maintenance and Repair Other Facilities	3022	3276	208	262	7.46	10.02	36.20	53.68
470 Other Business Services	854	1022	147	238	5.27	23.72	61.56	90.55
496 Colleges, Universities, Schools	1023	1198	321	226	11.51	43.47	-150.41	-95.43
451 Automotive Dealers & Service Stations	3848	4062	213	221	7.64	4.23	-4.25	7.62
449 General Merchandise Stores	4054	3718	202	203	7.24	-23.97	18.14	1.41
464 Laundry, Cleaning and Shoe Repair	687	764	164	189	5.88	12.55	6.56	24.98
520 Federal Government - Non-Military	1260	1977	96	165	3.44	51.17	14.20	68.81
452 Apparel & Accessory Stores	1438	2043	114	154	4.09	43.84	-8.10	39.83
259 Iron and Steel Foundries	341	323	90	147	3.23	-8.08	61.49	56.64
434 Local, Interurban Passenger Transit	691	887	119	133	4.27	29.51	-19.45	14.33
48 New Residential Structures	2263	2437	89	121	3.19	3.66	25.61	32.46
480 Electrical Repair Service	281	291	63	121	2.26	0.00	56.02	58.28
463 Hotels and Lodging Places	4103	3911	120	119	4.30	-9.93	4.93	-0.70
462 Real Estate	2336	2713	125	112	4.48	15.71	-33.23	-13.03

334 Blowers and Fans	79	103	79	103	2.83	20.77	0.00	23.60
519 Federal Government - Military	1679	1417	117	98	4.19	-22.45	-0.69	-18.94
219 Fabricated Rubber Products, N.E.C.	122	139	115	94	4.12	12.08	-36.85	-20.65
433 Railroads and Related Services	781	835	14	88	0.50	0.47	72.83	73.80
376 Printed Circuit Boards	578	88	578	86	20.72	-510.72	-1.90	-491.90
49 New Industrial and Commercial Buildings	1572	1693	62	84	2.22	2.57	17.62	22.41
506 Engineering, Architectural Services	881	730	96	83	3.44	-19.85	3.49	-12.92
448 Building Materials & Gardening	1607	1698	73	83	2.62	1.52	5.85	9.98
525 Domestic Services	897	998	73	82	2.62	5.58	1.00	9.19
495 Elementary and Secondary Schools	466	582	69	81	2.47	14.71	-4.75	12.44
474 Personnel Supply Services	1014	1231	50	80	1.79	8.93	19.70	30.42
479 Automobile Repair and Services	940	1185	84	80	3.01	18.92	-25.63	-3.70
512 Other State and Local Govt Enterprises	578	1365	54	76	1.94	71.55	-51.79	21.70
500 Social Services, N.E.C.	1495	1352	89	72	3.19	-11.68	-8.85	-17.34
507 Accounting, Auditing and Bookkeeping	1519	1989	37	71	1.33	10.13	22.06	33.51
456 Banking	2099	2168	67	70	2.40	-0.20	0.45	2.65
513 U.S. Postal Service	989	1692	76	67	2.72	51.28	-62.82	-8.82
460 Insurance Agents and Brokers	1331	1111	86	65	3.08	-17.31	-6.41	-20.64
55 Maintenance and Repair, Residential	743	805	51	64	1.83	2.44	9.03	13.30
284 Fabricated Plate Work (Boiler Shops)	11	63	3	62	0.11	13.96	44.52	58.59
54 New Government Facilities	1064	1149	42	57	1.51	1.83	11.92	15.26
435 Motor Freight Transport and Warehousing	2021	2164	37	57	1.33	1.30	17.27	19.89
59 Sausages and Other Prepared Meats	17	56	3	56	0.11	6.72	45.87	52.70
191 Plastics Materials and Resins	6	56	2	56	0.07	16.47	37.08	53.62
469 Advertising	182	180	80	54	2.87	-3.66	-24.92	-25.71
494 Legal Services	1102	940	65	52	2.33	-11.90	-3.12	-12.69
466 Beauty and Barber Shops	1068	1142	43	45	1.54	1.43	-1.04	1.93
453 Furniture & Home Furnishings Stores	982	1024	32	42	1.15	0.23	8.71	10.10
389 Aircraft	95	104	29	40	1.04	1.62	8.20	10.86
399 Transportation Equipment, N.E.C.	76	163	11	38	0.39	12.18	14.05	26.62
499 Child Day Care Services	312	311	42	36	1.51	-1.64	-5.46	-5.60
442 Radio and TV Broadcasting	698	619	41	33	1.47	-6.13	-3.25	-7.91
354 Industrial Machines N.E.C.	255	366	2	32	0.07	0.80	28.69	29.56
482 Miscellaneous Repair Shops	605	648	10	31	0.36	0.35	20.76	21.47
280 Plumbing Fixture Fittings and Trim	59	81	18	31	0.65	5.92	6.38	12.94
174 Newspapers	753	752	31	26	1.11	-1.15	-4.65	-4.69
509 Research, Development & Testing Service	778	458	42	24	1.51	-18.76	-0.53	-17.78

458 Security and Commodity Brokers	271	352	17	24	0.61	4.50	1.69	6.80
51 New Highways and Streets	427	462	17	23	0.61	0.79	4.63	6.03
488 Amusement and Recreation Services, N.E.	3437	3732	133	21	4.77	6.67	-123.32	-111.88
483 Motion Pictures	577	460	29	21	1.04	-6.95	-2.07	-7.98
439 Arrangement Of Passenger Transportation	253	187	19	21	0.68	-5.63	6.74	1.79
476 Detective and Protective Services	184	254	13	20	0.47	4.51	1.88	6.86
294 Metal Stampings, N.E.C.	9	30	8	19	0.29	18.28	-7.31	11.26
50 New Utility Structures	357	384	14	19	0.50	0.56	4.09	5.15
467 Funeral Service and Crematories	275	265	27	19	0.97	-1.97	-7.27	-8.27
133 Logging Camps and Logging Contractors	572	609	14	19	0.50	0.40	3.75	4.65
472 Services To Buildings	957	822	27	18	0.97	-4.77	-5.60	-9.40
503 Business Associations	331	290	14	16	0.50	-2.24	3.52	1.78
505 Religious Organizations	20	288	10	15	0.36	133.85	-128.75	5.46
457 Credit Agencies	680	549	12	15	0.43	-2.74	5.72	3.41
465 Portrait and Photographic Studios	192	148	23	15	0.82	-6.04	-2.68	-7.90
313 Oil Field Machinery	29	35	12	13	0.43	2.05	-1.34	1.14
27 Landscape and Horticultural Services	437	623	14	13	0.50	5.47	-7.16	-1.19
441 Communications, Except Radio and TV	546	456	18	12	0.65	-3.60	-3.42	-6.38
501 Residential Care	2277	2332	13	11	0.47	-0.15	-2.70	-2.38
498 Job Trainings & Related Services	541	616	20	10	0.72	2.07	-12.50	-9.71
489 Membership Sports and Recreation Clubs	259	193	2	10	0.07	-0.58	8.67	8.16
459 Insurance Carriers	361	512	8	10	0.29	3.06	-1.64	1.71
403 Mechanical Measuring Devices	17	19	17	9	0.61	1.19	-9.40	-7.60
283 Metal Doors, Sash, and Trim	90	13	90	9	3.23	-80.23	-3.90	-80.90
52 New Farm Structures	167	183	7	9	0.25	0.42	1.42	2.09
437 Air Transportation	109	793	1	9	0.04	6.24	1.79	8.06
53 New Mineral Extraction Facilities	166	178	7	9	0.25	0.26	1.23	1.74
510 Local Government Passenger Transit	184	87	19	9	0.68	-10.72	-0.45	-10.49
355 Transformers	0	22	0	8	0.00	0.00	0.00	0.00
485 Bowling Alleys and Pool Halls	210	182	10	8	0.36	-1.70	-0.37	-1.71
473 Equipment Rental and Leasing	161	159	10	7	0.36	-0.47	-2.77	-2.89
337 Industrial Furnaces and Ovens	6	18	0	7	0.00	0.00	0.00	0.00
404 Instruments To Measure Electricity	10	18	4	7	0.14	2.94	-0.43	2.65
26 Agricultural, Forestry, Fishery Services	435	411	4	6	0.14	-0.36	2.66	2.44
97 Canned and Cured Sea Foods	36	37	6	6	0.22	0.02	-0.21	0.02
387 Truck Trailers	1	15	1	6	0.04	13.76	-9.11	4.69
508 Management and Consulting Services	435	991	5	6	0.18	6.21	-5.84	0.56

211 Paving Mixtures and Blocks	139	17	0	5	0.00	0.00	0.00	0.00
220 Miscellaneous Plastics Products	86	78	40	4	1.43	-5.34	-31.81	-35.72
368 Wiring Devices	0	11	0	4	0.00	0.00	0.00	0.00
213 Lubricating Oils and Greases	33	13	11	4	0.39	-7.09	-0.74	-7.44
130 Automotive and Apparel Trimmings	27	32	0	3	0.00	0.00	0.00	0.00
321 Special Dies and Tools and Accessories	103	121	3	3	0.11	0.42	-0.45	0.07
511 State and Local Electric Utilities	96	47	10	3	0.36	-5.48	-1.87	-6.99
484 Theatrical Producers, Bands Etc.	171	147	0	3	0.00	0.00	0.00	0.00
179 Commercial Printing	405	370	3	2	0.11	-0.37	-0.39	-0.65
198 Surface Active Agents	13	8	4	2	0.14	-1.68	-0.26	-1.79
57 Maintenance and Repair Oil and Gas Well:	3	15	1	2	0.04	3.92	-2.85	1.11
263 Secondary Nonferrous Metals	7	5	2	2	0.07	-0.56	0.52	0.04
443 Electric Services	1382	1449	2	2	0.07	0.03	-0.13	-0.03
314 Elevators and Moving Stairways	2	5	1	2	0.04	1.46	-0.62	0.88
412 Ophthalmic Goods	9	4	4	2	0.14	-2.19	-0.30	-2.35
420 Games, Toys, and Childrens Vehicles	105	12	1	1	0.04	-0.92	1.31	0.43
295 Plating and Polishing	10	10	2	1	0.07	0.01	-0.66	-0.58
276 Hand and Edge Tools, N.E.C.	35	5	0	1	0.00	0.00	0.00	0.00
373 Radio and Tv Communication Equipment	0	3	0	1	0.00	0.00	0.00	0.00
319 Machine Tools, Metal Forming Types	6	7	2	1	0.07	0.23	-1.17	-0.87
67 Canned Fruits and Vegetables	9	4	1	1	0.04	-0.59	0.56	0.00
95 Bottled and Canned Soft Drinks & Water	25	20	1	1	0.04	-0.22	0.19	0.00
102 Macaroni and Spaghetti	6	3	1	1	0.04	-0.54	0.50	0.00
119 Coated Fabrics, Not Rubberized	52	34	0	1	0.00	0.00	0.00	0.00
241 Pottery Products, N.E.C	10	9	1	1	0.04	-0.11	0.08	0.00
247 Cut Stone and Stone Products	6	3	2	1	0.07	-1.20	0.13	-1.00

Hibbing as compared to

Minnesota:

Industry	MN 95	MN 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
Total	3002058	3165131	11548	11596				
523 State & Local Government - Non-Education	137460	140670	706	982	38.35	-21.86	259.21	275.70
28 Iron Ores	6168	6314	886	893	48.13	-27.20	-14.23	6.70
522 State & Local Government - Education	170914	162085	1068	801	58.01	-113.18	-211.51	-266.68
454 Eating & Drinking	155345	159199	540	539	29.33	-15.94	-13.99	-0.59
447 Wholesale Trade	151049	160380	755	444	41.01	5.63	-357.18	-310.54

492 Hospitals	62420	65826	398	427	21.62	0.10	7.49	29.21
490 Doctors and Dentists	73729	79914	354	411	19.23	10.47	27.74	57.44
504 Labor and Civic Organizations	40075	42080	228	340	12.39	-0.98	100.83	112.23
491 Nursing and Protective Care	54230	55834	353	329	19.18	-8.73	-34.81	-24.37
493 Other Medical and Health Services	24548	26644	211	310	11.46	6.55	80.84	98.85
450 Food Stores	62999	64252	313	303	17.00	-10.78	-16.44	-10.21
378 Electronic Components, N.E.C.	3179	3866	19	301	1.03	3.07	277.96	282.07
455 Miscellaneous Retail	110636	119049	313	270	17.00	6.80	-66.80	-43.00
56 Maintenance and Repair Other Facilities	49001	53563	208	262	11.30	8.07	34.31	53.68
470 Other Business Services	31299	35621	147	238	7.99	12.31	70.25	90.55
496 Colleges, Universities, Schools	25253	25593	321	226	17.44	-13.12	-99.75	-95.43
451 Automotive Dealers & Service Stations	51777	57009	213	221	11.57	9.95	-13.91	7.62
449 General Merchandise Stores	62933	66155	202	203	10.97	-0.63	-8.93	1.41
464 Laundry, Cleaning and Shoe Repair	14923	16100	164	189	8.91	4.03	12.05	24.98
520 Federal Government - Non-Military	16184	23667	96	165	5.21	39.17	24.42	68.81
452 Apparel & Accessory Stores	21567	20583	114	154	6.19	-11.39	45.03	39.83
259 Iron and Steel Foundries	1622	1757	90	147	4.89	2.60	49.15	56.64
434 Local, Interurban Passenger Transit	12676	13648	119	133	6.46	2.66	5.21	14.33
48 New Residential Structures	36707	39848	89	121	4.83	2.78	24.84	32.46
480 Electrical Repair Service	2591	2473	63	121	3.42	-6.29	61.15	58.28
463 Hotels and Lodging Places	31956	32704	120	119	6.52	-3.71	-3.51	-0.70
462 Real Estate	57398	65228	125	112	6.79	10.26	-30.08	-13.03
334 Blowers and Fans	1574	1853	79	103	4.29	9.72	9.59	23.60
519 Federal Government - Military	23609	20290	117	98	6.36	-22.80	-2.49	-18.94
219 Fabricated Rubber Products, N.E.C.	2618	2599	115	94	6.25	-7.08	-19.82	-20.65
433 Railroads and Related Services	6165	5630	14	88	0.76	-1.98	75.01	73.80
376 Printed Circuit Boards	8532	9790	578	86	31.40	53.83	-577.12	-491.90
49 New Industrial and Commercial Buildings	25475	27688	62	84	3.37	2.02	17.02	22.41
506 Engineering, Architectural Services	21465	23446	96	83	5.21	3.65	-21.78	-12.92
448 Building Materials & Gardening	20044	22560	73	83	3.97	5.20	0.82	9.98
525 Domestic Services	13322	13468	73	82	3.97	-3.17	8.39	9.19
495 Elementary and Secondary Schools	13865	14351	69	81	3.75	-1.33	10.02	12.44
474 Personnel Supply Services	64177	73863	50	80	2.72	4.83	22.88	30.42
479 Automobile Repair and Services	17942	20480	84	80	4.56	7.32	-15.58	-3.70
512 Other State and Local Govt Enterprises	4977	12312	54	76	2.93	76.65	-57.89	21.70
500 Social Services, N.E.C.	25681	26243	89	72	4.83	-2.89	-19.29	-17.34
507 Accounting, Auditing and Bookkeeping	40862	44884	37	71	2.01	1.63	29.87	33.51

456 Banking	34705	35205	67	70	3.64	-2.67	1.69	2.65
513 U.S. Postal Service	17342	18002	76	67	4.13	-1.24	-11.71	-8.82
460 Insurance Agents and Brokers	30509	30622	86	65	4.67	-4.35	-20.96	-20.64
55 Maintenance and Repair, Residential	12051	13163	51	64	2.77	1.94	8.59	13.30
284 Fabricated Plate Work (Boiler Shops)	2200	2315	3	62	0.16	-0.01	58.43	58.59
54 New Government Facilities	17247	18778	42	57	2.28	1.45	11.53	15.26
435 Motor Freight Transport and Warehousing	46945	44283	37	57	2.01	-4.11	21.99	19.89
59 Sausages and Other Prepared Meats	3623	4321	3	56	0.16	0.41	52.12	52.70
191 Plastics Materials and Resins	197	253	2	56	0.11	0.46	53.05	53.62
469 Advertising	8387	8462	80	54	4.35	-3.63	-26.42	-25.71
494 Legal Services	23669	25437	65	52	3.53	1.32	-17.55	-12.69
466 Beauty and Barber Shops	22266	24828	43	45	2.34	2.61	-3.01	1.93
453 Furniture & Home Furnishings Stores	23334	24271	32	42	1.74	-0.45	8.81	10.10
389 Aircraft	117	142	29	40	1.58	4.62	4.66	10.86
399 Transportation Equipment, N.E.C	3829	4339	11	38	0.60	0.87	25.16	26.62
499 Child Day Care Services	9112	9539	42	36	2.28	-0.31	-7.56	-5.60
442 Radio and TV Broadcasting	5560	5667	41	33	2.23	-1.44	-8.70	-7.91
354 Industrial Machines N.E.C.	9392	10622	2	32	0.11	0.15	29.30	29.56
482 Miscellaneous Repair Shops	9159	9344	10	31	0.54	-0.34	21.27	21.47
280 Plumbing Fixture Fittings and Trim	101	94	18	31	0.98	-2.22	14.19	12.94
174 Newspapers	13342	13237	31	26	1.68	-1.93	-4.45	-4.69
509 Research, Development & Testing Service	11088	11409	42	24	2.28	-1.07	-19.00	-17.78
458 Security and Commodity Brokers	15816	18220	17	24	0.92	1.66	4.22	6.80
51 New Highways and Streets	6939	7554	17	23	0.92	0.58	4.52	6.03
488 Amusement and Recreation Services, N.E	39446	42615	133	21	7.22	3.46	-122.57	-111.88
483 Motion Pictures	10494	11064	29	21	1.58	0.00	-9.55	-7.98
439 Arrangement Of Passenger Transportation	7916	7804	19	21	1.03	-1.30	2.06	1.79
476 Detective and Protective Services	8543	9327	13	20	0.71	0.49	5.66	6.86
294 Metal Stampings, N.E.C.	4000	4350	8	19	0.43	0.27	10.56	11.26
50 New Utility Structures	5781	6281	14	19	0.76	0.45	3.94	5.15
467 Funeral Service and Crematories	2960	3267	27	19	1.47	1.33	-11.07	-8.27
133 Logging Camps and Logging Contractors	844	902	14	19	0.76	0.20	3.69	4.65
472 Services To Buildings	18293	19191	27	18	1.47	-0.14	-10.73	-9.40
503 Business Associations	6215	6280	14	16	0.76	-0.61	1.64	1.78
505 Religious Organizations	2607	4726	10	15	0.54	7.58	-2.67	5.46
457 Credit Agencies	33537	35774	12	15	0.65	0.15	2.61	3.41
465 Portrait and Photographic Studios	4757	3715	23	15	1.25	-6.29	-2.86	-7.90

313 Oil Field Machinery	29	35	12	13	0.65	1.83	-1.34	1.14
27 Landscape and Horticultural Services	10173	11253	14	13	0.76	0.73	-2.68	-1.19
441 Communications, Except Radio and TV	13032	15877	18	12	0.98	2.95	-10.31	-6.38
501 Residential Care	22876	24889	13	11	0.71	0.44	-3.53	-2.38
498 Job Trainings & Related Services	8230	9017	20	10	1.09	0.83	-11.62	-9.71
489 Membership Sports and Recreation Clubs	8854	8960	2	10	0.11	-0.08	8.13	8.16
459 Insurance Carriers	40649	41579	8	10	0.43	-0.25	1.52	1.71
403 Mechanical Measuring Devices	6595	7261	17	9	0.92	0.79	-9.32	-7.60
283 Metal Doors, Sash, and Trim	412	438	90	9	4.89	0.79	-86.58	-80.90
52 New Farm Structures	2721	2997	7	9	0.38	0.33	1.38	2.09
437 Air Transportation	21333	29841	1	9	0.05	0.34	7.66	8.06
53 New Mineral Extraction Facilities	2636	2930	7	9	0.38	0.40	0.96	1.74
510 Local Government Passenger Transit	3014	1524	19	9	1.03	-10.43	-1.10	-10.49
355 Transformers	523	583	0	8	0.00	0.00	0.00	0.00
485 Bowling Alleys and Pool Halls	3839	3787	10	8	0.54	-0.68	-1.57	-1.71
473 Equipment Rental and Leasing	3677	3987	10	7	0.54	0.30	-3.73	-2.89
337 Industrial Furnaces and Ovens	541	616	0	7	0.00	0.00	0.00	0.00
404 Instruments To Measure Electricity	782	889	4	7	0.22	0.33	2.10	2.65
26 Agricultural, Forestry, Fishery Services	6364	6397	4	6	0.22	-0.20	2.42	2.44
97 Canned and Cured Sea Foods	250	348	6	6	0.33	2.03	-2.33	0.02
387 Truck Trailers	634	621	1	6	0.05	-0.07	4.71	4.69
508 Management and Consulting Services	19097	23206	5	6	0.27	0.80	-0.52	0.56
211 Paving Mixtures and Blocks	305	335	0	5	0.00	0.00	0.00	0.00
220 Miscellaneous Plastics Products	16059	16927	40	4	2.17	-0.01	-37.88	-35.72
368 Wiring Devices	1718	1859	0	4	0.00	0.00	0.00	0.00
213 Lubricating Oils and Greases	159	153	11	4	0.60	-1.01	-7.03	-7.44
130 Automotive and Apparel Trimmings	1474	1367	0	3	0.00	0.00	0.00	0.00
321 Special Dies and Tools and Accessories	5060	5742	3	3	0.16	0.24	-0.33	0.07
511 State and Local Electric Utilities	710	510	10	3	0.54	-3.36	-4.17	-6.99
484 Theatrical Producers, Bands Etc.	4314	4699	0	3	0.00	0.00	0.00	0.00
179 Commercial Printing	25140	25770	3	2	0.16	-0.09	-0.73	-0.65
198 Surface Active Agents	13	8	4	2	0.22	-1.76	-0.26	-1.79
57 Maintenance and Repair Oil and Gas Well:	238	188	1	2	0.05	-0.26	1.32	1.11
263 Secondary Nonferrous Metals	210	170	2	2	0.11	-0.49	0.42	0.04
443 Electric Services	9719	9805	2	2	0.11	-0.09	-0.05	-0.03
314 Elevators and Moving Stairways	163	183	1	2	0.05	0.07	0.75	0.88
412 Ophthalmic Goods	1749	1987	4	2	0.22	0.33	-2.89	-2.35

420 Games, Toys, and Childrens Vehicles	277	241	1	1	0.05	-0.18	0.56	0.43
295 Plating and Polishing	2171	2238	2	1	0.11	-0.05	-0.64	-0.58
276 Hand and Edge Tools, N.E.C.	1517	1553	0	1	0.00	0.00	0.00	0.00
373 Radio and Tv Communication Equipment	1424	1579	0	1	0.00	0.00	0.00	0.00
319 Machine Tools, Metal Forming Types	168	182	2	1	0.11	0.06	-1.04	-0.87
67 Canned Fruits and Vegetables	2582	2466	1	1	0.05	-0.10	0.04	0.00
95 Bottled and Canned Soft Drinks & Water	2011	2094	1	1	0.05	-0.01	-0.04	0.00
102 Macaroni and Spaghetti	291	244	1	1	0.05	-0.22	0.16	0.00
119 Coated Fabrics, Not Rubberized	71	70	0	1	0.00	0.00	0.00	0.00
241 Pottery Products, N.E.C	97	65	1	1	0.05	-0.38	0.33	0.00
247 Cut Stone and Stone Products	1266	1364	2	1	0.11	0.05	-1.16	-1.00

1997 Output Location Quotient Analysis

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Reported in millions of dollars

Hibbing as compared to Northeast Minnesota

Sorted by:

		North East MN		
Industry		Hibbing 97	97	LQ
Total		\$896.5	\$12,892.3	
28	Iron Ores	\$192.3	\$1,364.0	2.03
378	Electronic Components, N.E.C.	\$56.4	\$62.5	12.98
447	Wholesale Trade	\$43.1	\$463.4	1.34
523	State & Local Government - Non-Education	\$41.1	\$539.6	1.09
490	Doctors and Dentists	\$37.4	\$578.9	0.93
522	State & Local Government - Education	\$28.0	\$397.6	1.01
191	Plastics Materials and Resins	\$26.3	\$26.3	14.38
492	Hospitals	\$25.0	\$366.7	0.98
259	Iron and Steel Foundries	\$19.6	\$43.2	6.54
56	Maintenance and Repair Other Facilities	\$17.8	\$222.0	1.16
454	Eating & Drinking	\$16.3	\$299.0	0.78
433	Railroads and Related Services	\$15.1	\$148.4	1.46
470	Other Business Services	\$14.5	\$63.6	3.28

59	Sausages and Other Prepared Meats	\$12.9	\$12.9	14.38
493	Other Medical and Health Services	\$12.8	\$88.5	2.07
462	Real Estate	\$12.3	\$283.8	0.62
219	Fabricated Rubber Products, N.E.C.	\$12.2	\$18.0	9.73
491	Nursing and Protective Care	\$11.6	\$109.7	1.52
48	New Residential Structures	\$11.1	\$221.3	0.72
512	Other State and Local Govt Enterprises	\$10.5	\$179.7	0.84
49	New Industrial and Commercial Buildings	\$9.9	\$198.9	0.72
451	Automotive Dealers & Service Stations	\$9.9	\$179.9	0.79
480	Electrical Repair Service	\$9.9	\$23.7	6.00
450	Food Stores	\$9.6	\$140.7	0.98
334	Blowers and Fans	\$9.2	\$9.2	14.38
389	Aircraft	\$9.2	\$24.0	5.53
456	Banking	\$8.9	\$276.7	0.46
513	U.S. Postal Service	\$8.8	\$109.5	1.15
496	Colleges, Universities, Schools	\$8.2	\$43.5	2.71
399	Transportation Equipment, N.E.C	\$7.6	\$32.2	3.38
452	Apparel & Accessory Stores	\$7.5	\$95.8	1.13
520	Federal Government - Non-Military	\$6.8	\$83.2	1.18
54	New Government Facilities	\$6.7	\$134.4	0.72
479	Automobile Repair and Services	\$6.5	\$92.6	1.00
284	Fabricated Plate Work (Boiler Shops)	\$6.5	\$6.5	14.29
455	Miscellaneous Retail	\$6.4	\$174.2	0.53
435	Motor Freight Transport and Warehousing	\$6.0	\$219.4	0.40
434	Local, Interurban Passenger Transit	\$6.0	\$36.5	2.36
376	Printed Circuit Boards	\$5.9	\$6.1	13.97
449	General Merchandise Stores	\$5.7	\$103.4	0.80
506	Engineering, Architectural Services	\$5.6	\$48.4	1.66
280	Plumbing Fixture Fittings and Trim	\$5.5	\$14.4	5.53
55	Maintenance and Repair, Residential	\$5.4	\$67.8	1.15
464	Laundry, Cleaning and Shoe Repair	\$5.4	\$19.8	3.94
469	Advertising	\$5.1	\$15.0	4.87
504	Labor and Civic Organizations	\$4.6	\$56.5	1.16
463	Hotels and Lodging Places	\$4.5	\$146.8	0.44
442	Radio and TV Broadcasting	\$3.7	\$69.2	0.77
494	Legal Services	\$3.7	\$62.8	0.84
354	Industrial Machines N.E.C.	\$3.3	\$40.5	1.17

448	Building Materials & Gardening	\$3.3	\$63.8	0.74
519	Federal Government - Military	\$3.3	\$42.8	1.09
133	Logging Camps and Logging Contractors	\$3.1	\$102.3	0.43
500	Social Services, N.E.C.	\$3.0	\$55.6	0.78
458	Security and Commodity Brokers	\$2.8	\$40.7	0.98
495	Elementary and Secondary Schools	\$2.7	\$18.9	2.05
51	New Highways and Streets	\$2.7	\$53.4	0.72
294	Metal Stampings, N.E.C.	\$2.7	\$4.1	9.40
211	Paving Mixtures and Blocks	\$2.4	\$8.8	3.96
198	Surface Active Agents	\$2.3	\$8.5	3.96
441	Communications, Except Radio and TV	\$2.3	\$87.0	0.37
460	Insurance Agents and Brokers	\$2.2	\$37.1	0.87
482	Miscellaneous Repair Shops	\$2.2	\$43.0	0.73
507	Accounting, Auditing and Bookkeeping	\$2.1	\$54.2	0.56
174	Newspapers	\$2.0	\$52.2	0.55
213	Lubricating Oils and Greases	\$1.7	\$6.2	3.96
50	New Utility Structures	\$1.7	\$33.5	0.72
483	Motion Pictures	\$1.5	\$32.0	0.66
453	Furniture & Home Furnishings Stores	\$1.5	\$35.2	0.60
505	Religious Organizations	\$1.4	\$42.1	0.49
313	Oil Field Machinery	\$1.4	\$3.7	5.40
499	Child Day Care Services	\$1.3	\$10.8	1.75
403	Mechanical Measuring Devices	\$1.3	\$2.6	7.19
52	New Farm Structures	\$1.2	\$24.9	0.72
511	State and Local Electric Utilities	\$1.2	\$19.3	0.91
283	Metal Doors, Sash, and Trim	\$1.2	\$1.7	10.07
474	Personnel Supply Services	\$1.1	\$18.3	0.87
404	Instruments To Measure Electricity	\$1.1	\$2.8	5.40
466	Beauty and Barber Shops	\$1.0	\$25.4	0.57
467	Funeral Service and Crematories	\$1.0	\$14.3	0.98
437	Air Transportation	\$1.0	\$84.1	0.16
509	Research, Development & Testing Services	\$0.9	\$18.5	0.74
263	Secondary Nonferrous Metals	\$0.9	\$2.4	5.53
459	Insurance Carriers	\$0.9	\$49.5	0.26
387	Truck Trailers	\$0.9	\$2.3	5.53
337	Industrial Furnaces and Ovens	\$0.8	\$2.2	5.40
439	Arrangement Of Passenger Transportation	\$0.8	\$7.7	1.54

220	Miscellaneous Plastics Products	\$0.7	\$12.9	0.81
473	Equipment Rental and Leasing	\$0.7	\$15.4	0.65
488	Amusement and Recreation Services, N.E.C.	\$0.7	\$133.5	0.07
355	Transformers	\$0.7	\$1.8	5.40
525	Domestic Services	\$0.7	\$8.0	1.22
443	Electric Services	\$0.6	\$409.0	0.02
465	Portrait and Photographic Studios	\$0.5	\$8.0	0.94
503	Business Associations	\$0.5	\$10.3	0.73
97	Canned and Cured Sea Foods	\$0.5	\$3.0	2.31

**Hibbing as compared to
Minnesota:**

Sorted by:

	Industry	Hibbing 97	MN 97	LQ
	Total	\$896.5	\$276,119.0	
28	Iron Ores	\$192.3	\$1,364.2	43.42
378	Electronic Components, N.E.C.	\$56.4	\$785.7	22.11
447	Wholesale Trade	\$43.1	\$19,256.7	0.69
523	State & Local Government - Non-Education	\$41.1	\$6,610.7	1.91
490	Doctors and Dentists	\$37.4	\$7,445.6	1.55
522	State & Local Government - Education	\$28.0	\$5,523.2	1.56
191	Plastics Materials and Resins	\$26.3	\$120.8	67.00
492	Hospitals	\$25.0	\$3,938.7	1.96
259	Iron and Steel Foundries	\$19.6	\$228.8	26.44
56	Maintenance and Repair Other Facilities	\$17.8	\$3,814.8	1.44
454	Eating & Drinking	\$16.3	\$5,178.1	0.97
433	Railroads and Related Services	\$15.1	\$1,012.2	4.59
470	Other Business Services	\$14.5	\$2,802.6	1.59
59	Sausages and Other Prepared Meats	\$12.9	\$996.0	3.99
493	Other Medical and Health Services	\$12.8	\$1,347.8	2.92
462	Real Estate	\$12.3	\$8,535.8	0.44
219	Fabricated Rubber Products, N.E.C.	\$12.2	\$351.3	10.67
491	Nursing and Protective Care	\$11.6	\$1,929.8	1.85
48	New Residential Structures	\$11.1	\$3,709.1	0.92
512	Other State and Local Govt Enterprises	\$10.5	\$1,656.9	1.96

49	New Industrial and Commercial Buildings	\$9.9	\$3,343.4	0.92
451	Automotive Dealers & Service Stations	\$9.9	\$2,965.7	1.03
480	Electrical Repair Service	\$9.9	\$193.6	15.72
450	Food Stores	\$9.6	\$1,907.5	1.55
334	Blowers and Fans	\$9.2	\$274.3	10.38
389	Aircraft	\$9.2	\$32.7	86.65
456	Banking	\$8.9	\$5,548.9	0.49
513	U.S. Postal Service	\$8.8	\$1,223.8	2.20
496	Colleges, Universities, Schools	\$8.2	\$956.9	2.64
399	Transportation Equipment, N.E.C	\$7.6	\$873.1	2.67
452	Apparel & Accessory Stores	\$7.5	\$726.2	3.20
520	Federal Government - Non-Military	\$6.8	\$1,257.0	1.68
54	New Government Facilities	\$6.7	\$2,285.0	0.91
479	Automobile Repair and Services	\$6.5	\$1,783.8	1.12
284	Fabricated Plate Work (Boiler Shops)	\$6.5	\$273.7	7.28
455	Miscellaneous Retail	\$6.4	\$3,374.2	0.59
435	Motor Freight Transport and Warehousing	\$6.0	\$4,643.4	0.40
434	Local, Interurban Passenger Transit	\$6.0	\$491.3	3.76
376	Printed Circuit Boards	\$5.9	\$853.0	2.12
449	General Merchandise Stores	\$5.7	\$2,598.9	0.68
506	Engineering, Architectural Services	\$5.6	\$1,680.1	1.02
280	Plumbing Fixture Fittings and Trim	\$5.5	\$17.2	98.74
55	Maintenance and Repair, Residential	\$5.4	\$1,146.9	1.46
464	Laundry, Cleaning and Shoe Repair	\$5.4	\$463.4	3.61
469	Advertising	\$5.1	\$817.1	1.91
504	Labor and Civic Organizations	\$4.6	\$520.5	2.70
463	Hotels and Lodging Places	\$4.5	\$1,410.8	0.98
442	Radio and TV Broadcasting	\$3.7	\$771.2	1.49
494	Legal Services	\$3.7	\$2,174.7	0.52
354	Industrial Machines N.E.C.	\$3.3	\$1,264.3	0.80
448	Building Materials & Gardening	\$3.3	\$924.3	1.09
519	Federal Government - Military	\$3.3	\$582.9	1.72
133	Logging Camps and Logging Contractors	\$3.1	\$148.3	6.38
500	Social Services, N.E.C.	\$3.0	\$1,171.1	0.79
458	Security and Commodity Brokers	\$2.8	\$2,316.9	0.37
495	Elementary and Secondary Schools	\$2.7	\$507.3	1.63
51	New Highways and Streets	\$2.7	\$897.5	0.92

294	Metal Stampings, N.E.C.	\$2.7	\$661.7	1.24
211	Paving Mixtures and Blocks	\$2.4	\$161.6	4.61
198	Surface Active Agents	\$2.3	\$8.5	84.90
441	Communications, Except Radio and TV	\$2.3	\$3,368.0	0.21
460	Insurance Agents and Brokers	\$2.2	\$1,403.8	0.49
482	Miscellaneous Repair Shops	\$2.2	\$582.0	1.16
507	Accounting, Auditing and Bookkeeping	\$2.1	\$1,477.3	0.44
174	Newspapers	\$2.0	\$933.5	0.66
213	Lubricating Oils and Greases	\$1.7	\$72.1	7.28
50	New Utility Structures	\$1.7	\$569.9	0.91
483	Motion Pictures	\$1.5	\$879.3	0.52
453	Furniture & Home Furnishings Stores	\$1.5	\$1,159.8	0.39
505	Religious Organizations	\$1.4	\$593.2	0.75
313	Oil Field Machinery	\$1.4	\$3.7	115.64
499	Child Day Care Services	\$1.3	\$351.6	1.15
403	Mechanical Measuring Devices	\$1.3	\$1,139.6	0.35
52	New Farm Structures	\$1.2	\$418.9	0.91
511	State and Local Electric Utilities	\$1.2	\$219.7	1.72
283	Metal Doors, Sash, and Trim	\$1.2	\$56.1	6.43
474	Personnel Supply Services	\$1.1	\$1,384.9	0.25
404	Instruments To Measure Electricity	\$1.1	\$164.9	1.97
466	Beauty and Barber Shops	\$1.0	\$648.4	0.48
467	Funeral Service and Crematories	\$1.0	\$162.5	1.85
437	Air Transportation	\$1.0	\$3,963.4	0.07
509	Research, Development & Testing Services	\$0.9	\$480.5	0.61
263	Secondary Nonferrous Metals	\$0.9	\$81.9	3.51
459	Insurance Carriers	\$0.9	\$6,204.4	0.04
387	Truck Trailers	\$0.9	\$99.3	2.72
337	Industrial Furnaces and Ovens	\$0.8	\$96.0	2.66
439	Arrangement Of Passenger Transportation	\$0.8	\$543.9	0.47
220	Miscellaneous Plastics Products	\$0.7	\$2,810.3	0.08
473	Equipment Rental and Leasing	\$0.7	\$411.5	0.52
488	Amusement and Recreation Services, N.E.C.	\$0.7	\$1,471.0	0.15
355	Transformers	\$0.7	\$60.5	3.51
525	Domestic Services	\$0.7	\$122.7	1.69
443	Electric Services	\$0.6	\$2,702.8	0.07
465	Portrait and Photographic Studios	\$0.5	\$191.5	0.84

503	Business Associations	\$0.5	\$244.4	0.66
97	Canned and Cured Sea Foods	\$0.5	\$33.6	4.46
472	Services To Buildings	\$0.5	\$554.4	0.25
498	Job Trainings & Related Services	\$0.4	\$377.3	0.35
457	Credit Agencies	\$0.4	\$1,622.4	0.08
53	New Mineral Extraction Facilities	\$0.4	\$140.9	0.88
510	Local Government Passenger Transit	\$0.4	\$77.2	1.52
368	Wiring Devices	\$0.3	\$213.6	0.50
489	Membership Sports and Recreation Clubs	\$0.3	\$303.1	0.35
95	Bottled and Canned Soft Drinks & Water	\$0.3	\$728.1	0.14
130	Automotive and Apparel Trimmings	\$0.3	\$145.4	0.64
476	Detective and Protective Services	\$0.3	\$157.4	0.59
57	Maintenance and Repair Oil and Gas Wells	\$0.3	\$26.8	3.19
508	Management and Consulting Services	\$0.3	\$1,639.9	0.05
27	Landscape and Horticultural Services	\$0.3	\$294.9	0.29
501	Residential Care	\$0.3	\$665.7	0.12
314	Elevators and Moving Stairways	\$0.2	\$25.9	2.95
321	Special Dies and Tools and Accessories	\$0.2	\$529.3	0.14
179	Commercial Printing	\$0.2	\$2,855.1	0.03
373	Radio and Tv Communication Equipment	\$0.2	\$359.2	0.18
119	Coated Fabrics, Not Rubberized	\$0.2	\$15.0	4.34
67	Canned Fruits and Vegetables	\$0.2	\$498.4	0.13
276	Hand and Edge Tools, N.E.C.	\$0.2	\$269.6	0.23
485	Bowling Alleys and Pool Halls	\$0.2	\$94.0	0.66
484	Theatrical Producers, Bands Etc.	\$0.2	\$397.8	0.14
102	Macaroni and Spaghetti	\$0.2	\$44.4	1.22
412	Ophthalmic Goods	\$0.2	\$217.8	0.24
420	Games, Toys, and Childrens Vehicles	\$0.1	\$25.9	1.63
319	Machine Tools, Metal Forming Types	\$0.1	\$22.1	1.89
247	Cut Stone and Stone Products	\$0.1	\$164.9	0.17
26	Agricultural, Forestry, Fishery Services	\$0.1	\$153.5	0.14

1995 - 1997 Output Shift-Share Analysis

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Reported in millions of dollars

Hibbing as compared to Northeast Minnesota

Sorted by:

Industry	Northeast 95	Northeast 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
Total	\$12,525.44	\$12,892.30	\$853.85	\$896.54				
28 Iron Ores	\$1,300.35	\$1,364.02	\$187.09	\$192.31	5.48	3.68	-3.94	5.22
378 Electronic Components, N.E.C.	\$3.60	\$62.47	\$3.26	\$56.41	0.10	53.17	-0.11	53.15
447 Wholesale Trade	\$705.32	\$463.41	\$71.22	\$43.11	2.09	-26.51	-3.69	-28.12
523 State & Local Government - Non-Education	\$430.76	\$539.55	\$26.78	\$41.08	0.78	5.98	7.54	14.30
490 Doctors and Dentists	\$438.51	\$578.94	\$31.42	\$37.41	0.92	9.14	-4.07	5.99
522 State & Local Government - Education	\$400.77	\$397.63	\$36.03	\$27.98	1.06	-1.34	-7.76	-8.05
191 Plastics Materials and Resins	\$3.04	\$26.29	\$1.01	\$26.29	0.03	7.72	17.52	25.27
492 Hospitals	\$308.33	\$366.67	\$21.74	\$25.05	0.64	3.48	-0.81	3.31
259 Iron and Steel Foundries	\$39.52	\$43.21	\$10.43	\$19.64	0.31	0.67	8.24	9.21
56 Maintenance and Repair Other Facilities	\$212.15	\$221.96	\$14.69	\$17.85	0.43	0.25	2.48	3.16
454 Eating & Drinking	\$302.72	\$299.03	\$16.13	\$16.29	0.47	-0.67	0.36	0.16
433 Railroads and Related Services	\$130.85	\$148.42	\$2.21	\$15.10	0.06	0.23	12.58	12.88
470 Other Business Services	\$45.40	\$63.56	\$7.41	\$14.50	0.22	2.75	4.12	7.09
59 Sausages and Other Prepared Meats	\$4.34	\$12.90	\$0.77	\$12.90	0.02	1.49	10.63	12.14
493 Other Medical and Health Services	\$84.90	\$88.47	\$8.55	\$12.76	0.25	0.11	3.84	4.20
462 Real Estate	\$291.96	\$283.80	\$16.97	\$12.27	0.50	-0.97	-4.22	-4.69
219 Fabricated Rubber Products, N.E.C.	\$15.04	\$17.99	\$14.26	\$12.17	0.42	2.38	-4.89	-2.09
491 Nursing and Protective Care	\$99.25	\$109.70	\$11.23	\$11.62	0.33	0.85	-0.79	0.39
48 New Residential Structures	\$191.23	\$221.35	\$7.54	\$11.07	0.22	0.97	2.34	3.52
512 Other State and Local Govt Enterprises	\$111.40	\$179.70	\$10.41	\$10.53	0.30	6.08	-6.26	0.12
49 New Industrial and Commercial Buildings	\$163.27	\$198.90	\$6.47	\$9.95	0.19	1.22	2.07	3.48
451 Automotive Dealers & Service Stations	\$178.54	\$179.92	\$10.06	\$9.94	0.29	-0.22	-0.19	-0.12
480 Electrical Repair Service	\$22.58	\$23.69	\$5.12	\$9.88	0.15	0.10	4.51	4.77
450 Food Stores	\$113.96	\$140.69	\$9.60	\$9.61	0.28	1.97	-2.25	0.00
334 Blowers and Fans	\$5.59	\$9.24	\$5.59	\$9.24	0.16	3.49	0.00	3.66

389 Aircraft	\$15.99	\$23.96	\$4.88	\$9.21	0.14	2.29	1.90	4.33
456 Banking	\$211.86	\$276.75	\$7.43	\$8.89	0.22	2.06	-0.83	1.45
513 U.S. Postal Service	\$66.14	\$109.47	\$4.53	\$8.75	0.13	2.83	1.26	4.22
496 Colleges, Universities, Schools	\$32.63	\$43.50	\$10.25	\$8.19	0.30	3.11	-5.47	-2.05
399 Transportation Equipment, N.E.C	\$15.84	\$32.19	\$2.24	\$7.57	0.07	2.24	3.03	5.34
452 Apparel & Accessory Stores	\$57.20	\$95.84	\$4.72	\$7.55	0.14	3.05	-0.36	2.83
520 Federal Government - Non-Military	\$115.50	\$83.18	\$9.21	\$6.85	0.27	-2.85	0.22	-2.36
54 New Government Facilities	\$131.76	\$134.43	\$5.22	\$6.74	0.15	-0.05	1.41	1.51
479 Automobile Repair and Services	\$97.17	\$92.63	\$8.76	\$6.47	0.26	-0.67	-1.88	-2.29
284 Fabricated Plate Work (Boiler Shops)	\$1.12	\$6.51	\$0.30	\$6.47	0.01	1.46	4.69	6.16
455 Miscellaneous Retail	\$162.93	\$174.16	\$6.96	\$6.44	0.20	0.28	-1.00	-0.52
435 Motor Freight Transport and Warehousing	\$169.18	\$219.44	\$3.22	\$6.03	0.09	0.86	1.86	2.81
434 Local, Interurban Passenger Transit	\$25.53	\$36.53	\$4.91	\$6.00	0.14	1.97	-1.02	1.09
376 Printed Circuit Boards	\$34.35	\$6.06	\$34.35	\$5.88	1.01	-29.30	-0.17	-28.47
449 General Merchandise Stores	\$108.89	\$103.40	\$5.47	\$5.73	0.16	-0.44	0.53	0.26
506 Engineering, Architectural Services	\$49.51	\$48.36	\$6.22	\$5.57	0.18	-0.33	-0.51	-0.65
280 Plumbing Fixture Fittings and Trim	\$8.79	\$14.37	\$2.68	\$5.52	0.08	1.62	1.14	2.84
55 Maintenance and Repair, Residential	\$64.18	\$67.81	\$4.42	\$5.44	0.13	0.12	0.77	1.02
464 Laundry, Cleaning and Shoe Repair	\$17.15	\$19.79	\$4.50	\$5.43	0.13	0.56	0.24	0.93
469 Advertising	\$12.81	\$14.99	\$5.86	\$5.07	0.17	0.82	-1.78	-0.79
504 Labor and Civic Organizations	\$68.00	\$56.49	\$3.03	\$4.57	0.09	-0.60	2.05	1.54
463 Hotels and Lodging Places	\$161.52	\$146.81	\$4.72	\$4.50	0.14	-0.57	0.21	-0.22
442 Radio and TV Broadcasting	\$72.45	\$69.25	\$4.26	\$3.72	0.12	-0.31	-0.35	-0.54
494 Legal Services	\$85.04	\$62.81	\$5.29	\$3.68	0.16	-1.54	-0.23	-1.61
354 Industrial Machines N.E.C.	\$26.56	\$40.50	\$0.19	\$3.29	0.01	0.10	2.99	3.09
448 Building Materials & Gardening	\$57.48	\$63.79	\$2.69	\$3.27	0.08	0.22	0.28	0.58
519 Federal Government - Military	\$25.60	\$42.76	\$1.95	\$3.25	0.06	1.25	0.00	1.30
133 Logging Camps and Logging Contractors	\$98.40	\$102.32	\$2.33	\$3.07	0.07	0.02	0.64	0.74
500 Social Services, N.E.C.	\$44.27	\$55.62	\$2.72	\$3.01	0.08	0.62	-0.42	0.28
458 Security and Commodity Brokers	\$25.17	\$40.75	\$1.63	\$2.78	0.05	0.96	0.14	1.15
495 Elementary and Secondary Schools	\$13.81	\$18.88	\$2.09	\$2.69	0.06	0.71	-0.16	0.60
51 New Highways and Streets	\$47.62	\$53.38	\$1.90	\$2.67	0.06	0.17	0.54	0.77
294 Metal Stampings, N.E.C.	\$1.14	\$4.08	\$1.01	\$2.67	0.03	2.59	-0.96	1.66
211 Paving Mixtures and Blocks	\$70.02	\$8.77	\$0.00	\$2.42	0.00	0.00	0.00	0.00
198 Surface Active Agents	\$7.70	\$8.49	\$2.37	\$2.34	0.07	0.17	-0.27	-0.03
441 Communications, Except Radio and TV	\$97.82	\$87.01	\$3.26	\$2.27	0.10	-0.46	-0.63	-0.99
460 Insurance Agents and Brokers	\$49.93	\$37.08	\$3.33	\$2.24	0.10	-0.95	-0.23	-1.09

482 Miscellaneous Repair Shops	\$37.51	\$42.98	\$0.64	\$2.19	0.02	0.07	1.45	1.55
507 Accounting, Auditing and Bookkeeping	\$33.75	\$54.22	\$1.35	\$2.11	0.04	0.78	-0.05	0.76
174 Newspapers	\$48.20	\$52.22	\$2.10	\$2.01	0.06	0.11	-0.27	-0.09
213 Lubricating Oils and Greases	\$16.89	\$6.18	\$5.64	\$1.70	0.17	-3.74	-0.36	-3.93
50 New Utility Structures	\$32.46	\$33.51	\$1.28	\$1.68	0.04	0.00	0.36	0.40
483 Motion Pictures	\$40.30	\$32.04	\$2.04	\$1.48	0.06	-0.48	-0.15	-0.56
453 Furniture & Home Furnishings Stores	\$33.63	\$35.16	\$1.13	\$1.47	0.03	0.02	0.30	0.35
505 Religious Organizations	\$4.31	\$42.12	\$0.99	\$1.45	0.03	8.69	-8.27	0.45
313 Oil Field Machinery	\$2.84	\$3.74	\$1.18	\$1.41	0.03	0.34	-0.14	0.23
499 Child Day Care Services	\$9.75	\$10.80	\$1.38	\$1.31	0.04	0.11	-0.22	-0.07
403 Mechanical Measuring Devices	\$2.09	\$2.56	\$2.09	\$1.28	0.06	0.41	-1.28	-0.81
52 New Farm Structures	\$17.19	\$24.89	\$0.73	\$1.24	0.02	0.30	0.19	0.52
511 State and Local Electric Utilities	\$20.58	\$19.31	\$2.14	\$1.23	0.06	-0.20	-0.78	-0.92
283 Metal Doors, Sash, and Trim	\$10.18	\$1.68	\$10.18	\$1.17	0.30	-8.81	-0.50	-9.01
474 Personnel Supply Services	\$16.21	\$18.29	\$0.83	\$1.11	0.02	0.08	0.17	0.28
404 Instruments To Measure Electricity	\$1.42	\$2.81	\$0.57	\$1.06	0.02	0.54	-0.07	0.49
466 Beauty and Barber Shops	\$22.57	\$25.43	\$0.91	\$1.01	0.03	0.09	-0.02	0.10
467 Funeral Service and Crematories	\$13.85	\$14.32	\$1.33	\$0.98	0.04	0.01	-0.40	-0.36
437 Air Transportation	\$14.72	\$84.13	\$0.14	\$0.96	0.00	0.66	0.16	0.82
509 Research, Development & Testing Service	\$24.43	\$18.53	\$1.67	\$0.95	0.05	-0.45	-0.32	-0.72
263 Secondary Nonferrous Metals	\$3.26	\$2.43	\$0.93	\$0.93	0.03	-0.26	0.24	0.00
459 Insurance Carriers	\$40.36	\$49.50	\$0.89	\$0.89	0.03	0.18	-0.20	0.00
387 Truck Trailers	\$0.20	\$2.29	\$0.20	\$0.88	0.01	2.09	-1.41	0.68
337 Industrial Furnaces and Ovens	\$0.64	\$2.21	\$0.00	\$0.83	0.00	0.00	0.00	0.00
439 Arrangement Of Passenger Transportation	\$7.01	\$7.70	\$0.53	\$0.82	0.02	0.04	0.24	0.29
220 Miscellaneous Plastics Products	\$13.48	\$12.86	\$6.36	\$0.72	0.19	-0.48	-5.35	-5.64
473 Equipment Rental and Leasing	\$15.54	\$15.40	\$0.98	\$0.70	0.03	-0.04	-0.27	-0.28
488 Amusement and Recreation Services, N.E.	\$118.86	\$133.53	\$4.25	\$0.69	0.12	0.40	-4.09	-3.56
355 Transformers	\$0.00	\$1.84	\$0.00	\$0.69	0.00	0.00	0.00	0.00
525 Domestic Services	\$7.66	\$7.96	\$0.67	\$0.67	0.02	0.01	-0.03	0.00
443 Electric Services	\$511.62	\$409.00	\$0.77	\$0.58	0.02	-0.18	-0.03	-0.18
465 Portrait and Photographic Studios	\$8.36	\$8.03	\$0.84	\$0.52	0.02	-0.06	-0.28	-0.32
503 Business Associations	\$12.88	\$10.30	\$0.45	\$0.52	0.01	-0.10	0.16	0.07
97 Canned and Cured Sea Foods	\$3.00	\$3.03	\$0.50	\$0.49	0.01	-0.01	-0.02	-0.01
472 Services To Buildings	\$20.30	\$22.11	\$0.51	\$0.45	0.02	0.03	-0.11	-0.06
498 Job Trainings & Related Services	\$16.84	\$24.31	\$0.66	\$0.42	0.02	0.27	-0.53	-0.23
457 Credit Agencies	\$26.35	\$14.23	\$0.46	\$0.40	0.01	-0.23	0.15	-0.06

53 New Mineral Extraction Facilities	\$8.27	\$7.98	\$0.32	\$0.40	0.01	-0.02	0.09	0.08
510 Local Government Passenger Transit	\$10.63	\$3.90	\$0.46	\$0.38	0.01	-0.30	0.21	-0.08
368 Wiring Devices	\$0.00	\$0.93	\$0.00	\$0.35	0.00	0.00	0.00	0.00
489 Membership Sports and Recreation Clubs	\$6.19	\$6.36	\$0.05	\$0.34	0.00	0.00	0.29	0.29
95 Bottled and Canned Soft Drinks & Water	\$8.02	\$6.85	\$0.31	\$0.34	0.01	-0.06	0.07	0.02
130 Automotive and Apparel Trimmings	\$2.41	\$3.05	\$0.00	\$0.30	0.00	0.00	0.00	0.00
476 Detective and Protective Services	\$3.29	\$3.84	\$0.21	\$0.30	0.01	0.03	0.06	0.09
57 Maintenance and Repair Oil and Gas Well:	\$0.25	\$1.96	\$0.01	\$0.28	0.00	0.10	0.16	0.26
508 Management and Consulting Services	\$37.66	\$53.37	\$0.24	\$0.28	0.01	0.09	-0.07	0.04
27 Landscape and Horticultural Services	\$13.28	\$14.95	\$0.28	\$0.28	0.01	0.03	-0.04	-0.01
501 Residential Care	\$48.92	\$57.72	\$0.29	\$0.27	0.01	0.04	-0.07	-0.02
314 Elevators and Moving Stairways	\$0.23	\$0.66	\$0.12	\$0.25	0.00	0.21	-0.08	0.13
321 Special Dies and Tools and Accessories	\$6.90	\$9.23	\$0.20	\$0.24	0.01	0.06	-0.03	0.04
179 Commercial Printing	\$38.27	\$36.34	\$0.29	\$0.24	0.01	-0.02	-0.04	-0.05
373 Radio and Tv Communication Equipment	\$0.00	\$0.57	\$0.00	\$0.21	0.00	0.00	0.00	0.00
119 Coated Fabrics, Not Rubberized	\$11.32	\$7.21	\$0.00	\$0.21	0.00	0.00	0.00	0.00
67 Canned Fruits and Vegetables	\$1.66	\$0.83	\$0.18	\$0.21	0.01	-0.10	0.12	0.02
276 Hand and Edge Tools, N.E.C.	\$5.04	\$0.55	\$0.00	\$0.20	0.00	0.00	0.00	0.00
485 Bowling Alleys and Pool Halls	\$5.29	\$4.49	\$0.25	\$0.20	0.01	-0.04	-0.01	-0.04
484 Theatrical Producers, Bands Etc.	\$11.60	\$9.66	\$0.00	\$0.19	0.00	0.00	0.00	0.00
102 Macaroni and Spaghetti	\$1.27	\$0.53	\$0.21	\$0.18	0.01	-0.13	0.09	-0.04
412 Ophthalmic Goods	\$0.62	\$0.45	\$0.27	\$0.17	0.01	-0.08	-0.03	-0.10
420 Games, Toys, and Childrens Vehicles	\$8.53	\$1.17	\$0.03	\$0.14	0.00	-0.03	0.13	0.10
319 Machine Tools, Metal Forming Types	\$0.59	\$0.84	\$0.20	\$0.14	0.01	0.08	-0.14	-0.06
247 Cut Stone and Stone Products	\$0.37	\$0.24	\$0.12	\$0.09	0.00	-0.05	0.01	-0.03
26 Agricultural, Forestry, Fishery Services	\$5.00	\$6.80	\$0.03	\$0.07	0.00	0.01	0.02	0.03
295 Plating and Polishing	\$0.37	\$0.34	\$0.07	\$0.04	0.00	-0.01	-0.03	-0.04
241 Pottery Products, N.E.C	\$0.26	\$0.39	\$0.02	\$0.02	0.00	0.01	-0.01	0.00
138 Wood Kitchen Cabinets	\$0.92	\$1.74	\$0.00	\$0.01	0.00	0.00	0.00	0.00
144 Prefabricated Wood Buildings	\$0.85	\$1.87	\$0.00	\$0.01	0.00	0.00	0.00	0.00
180 Manifold Business Forms	\$0.18	\$0.30	\$0.00	\$0.01	0.00	0.00	0.00	0.00
182 Blankbooks and Looseleaf Binder	\$0.11	\$0.22	\$0.00	\$0.01	0.00	0.00	0.00	0.00
184 Typesetting	\$0.23	\$0.15	\$0.00	\$0.00	0.00	0.00	0.00	0.00

Hibbing as compared to
Minnesota:

Sorted by:

	Industry	MN 95	MN 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
	Total	\$247,973.30	\$276,118.97	\$853.85	\$896.54				
28	Iron Ores	\$1,300.65	\$1,364.20	\$187.09	\$192.31	21.23	-12.09	-3.92	5.22
378	Electronic Components, N.E.C.	\$598.53	\$785.68	\$3.26	\$56.41	0.37	0.65	52.13	53.15
447	Wholesale Trade	\$16,428.27	\$19,256.74	\$71.22	\$43.11	8.08	4.18	-40.38	-28.12
523	State & Local Government - Non-Education	\$5,213.32	\$6,610.75	\$26.78	\$41.08	3.04	4.14	7.12	14.30
490	Doctors and Dentists	\$6,712.24	\$7,445.63	\$31.42	\$37.41	3.57	-0.13	2.56	5.99
522	State & Local Government - Education	\$6,070.49	\$5,523.25	\$36.03	\$27.98	4.09	-7.34	-4.80	-8.05
191	Plastics Materials and Resins	\$108.24	\$120.83	\$1.01	\$26.29	0.11	0.00	25.16	25.27
492	Hospitals	\$3,468.45	\$3,938.72	\$21.74	\$25.05	2.47	0.48	0.36	3.31
259	Iron and Steel Foundries	\$188.04	\$228.81	\$10.43	\$19.64	1.18	1.08	6.95	9.21
56	Maintenance and Repair Other Facilities	\$3,566.75	\$3,814.77	\$14.69	\$17.85	1.67	-0.65	2.14	3.16
454	Eating & Drinking	\$4,978.65	\$5,178.10	\$16.13	\$16.29	1.83	-1.18	-0.48	0.16
433	Railroads and Related Services	\$994.02	\$1,012.21	\$2.21	\$15.10	0.25	-0.21	12.84	12.88
470	Other Business Services	\$2,149.06	\$2,802.60	\$7.41	\$14.50	0.84	1.41	4.83	7.09
59	Sausages and Other Prepared Meats	\$853.20	\$995.99	\$0.77	\$12.90	0.09	0.04	12.01	12.14
493	Other Medical and Health Services	\$1,223.97	\$1,347.82	\$8.55	\$12.76	0.97	-0.11	3.34	4.20
462	Real Estate	\$8,876.80	\$8,535.83	\$16.97	\$12.27	1.93	-2.58	-4.04	-4.69
219	Fabricated Rubber Products, N.E.C.	\$322.68	\$351.31	\$14.26	\$12.17	1.62	-0.35	-3.36	-2.09
491	Nursing and Protective Care	\$1,689.18	\$1,929.84	\$11.23	\$11.62	1.28	0.33	-1.21	0.39
48	New Residential Structures	\$3,161.51	\$3,709.13	\$7.54	\$11.07	0.86	0.45	2.22	3.52
512	Other State and Local Govt Enterprises	\$958.63	\$1,656.87	\$10.41	\$10.53	1.18	6.40	-7.46	0.12
49	New Industrial and Commercial Buildings	\$2,708.23	\$3,343.39	\$6.47	\$9.95	0.73	0.78	1.96	3.48
451	Automotive Dealers & Service Stations	\$2,701.04	\$2,965.74	\$10.06	\$9.94	1.14	-0.16	-1.10	-0.12
480	Electrical Repair Service	\$198.09	\$193.61	\$5.12	\$9.88	0.58	-0.70	4.88	4.77
450	Food Stores	\$1,859.52	\$1,907.46	\$9.60	\$9.61	1.09	-0.84	-0.24	0.00
334	Blowers and Fans	\$212.87	\$274.26	\$5.59	\$9.24	0.63	0.98	2.04	3.66
389	Aircraft	\$19.44	\$32.73	\$4.88	\$9.21	0.55	2.78	1.00	4.33
456	Banking	\$4,771.09	\$5,548.93	\$7.43	\$8.89	0.84	0.37	0.24	1.45
513	U.S. Postal Service	\$1,095.88	\$1,223.75	\$4.53	\$8.75	0.51	0.01	3.70	4.22
496	Colleges, Universities, Schools	\$838.79	\$956.93	\$10.25	\$8.19	1.16	0.28	-3.50	-2.05

399	Transportation Equipment, N.E.C	\$772.15	\$873.14	\$2.24	\$7.57	0.25	0.04	5.04	5.34
452	Apparel & Accessory Stores	\$691.95	\$726.21	\$4.72	\$7.55	0.54	-0.30	2.60	2.83
520	Federal Government - Non-Military	\$1,687.44	\$1,257.04	\$9.21	\$6.85	1.05	-3.39	-0.01	-2.36
54	New Government Facilities	\$2,195.93	\$2,285.04	\$5.22	\$6.74	0.59	-0.38	1.30	1.51
479	Automobile Repair and Services	\$1,967.64	\$1,783.85	\$8.76	\$6.47	0.99	-1.81	-1.47	-2.29
284	Fabricated Plate Work (Boiler Shops)	\$244.10	\$273.69	\$0.30	\$6.47	0.03	0.00	6.13	6.16
455	Miscellaneous Retail	\$2,896.10	\$3,374.21	\$6.96	\$6.44	0.79	0.36	-1.67	-0.52
435	Motor Freight Transport and Warehousing	\$3,958.77	\$4,643.35	\$3.22	\$6.03	0.37	0.19	2.26	2.81
434	Local, Interurban Passenger Transit	\$413.73	\$491.32	\$4.91	\$6.00	0.56	0.36	0.17	1.09
376	Printed Circuit Boards	\$706.26	\$853.02	\$34.35	\$5.88	3.90	3.24	-35.60	-28.47
449	General Merchandise Stores	\$2,140.06	\$2,598.89	\$5.47	\$5.73	0.62	0.55	-0.92	0.26
506	Engineering, Architectural Services	\$1,460.54	\$1,680.06	\$6.22	\$5.57	0.71	0.23	-1.59	-0.65
280	Plumbing Fixture Fittings and Trim	\$15.75	\$17.22	\$2.68	\$5.52	0.30	-0.05	2.59	2.84
55	Maintenance and Repair, Residential	\$1,066.65	\$1,146.89	\$4.42	\$5.44	0.50	-0.17	0.69	1.02
464	Laundry, Cleaning and Shoe Repair	\$401.44	\$463.42	\$4.50	\$5.43	0.51	0.18	0.24	0.93
469	Advertising	\$679.62	\$817.14	\$5.86	\$5.07	0.66	0.52	-1.97	-0.79
504	Labor and Civic Organizations	\$717.97	\$520.47	\$3.03	\$4.57	0.34	-1.18	2.37	1.54
463	Hotels and Lodging Places	\$1,387.29	\$1,410.76	\$4.72	\$4.50	0.54	-0.46	-0.30	-0.22
442	Radio and TV Broadcasting	\$724.25	\$771.18	\$4.26	\$3.72	0.48	-0.21	-0.81	-0.54
494	Legal Services	\$2,056.52	\$2,174.71	\$5.29	\$3.68	0.60	-0.30	-1.91	-1.61
354	Industrial Machines N.E.C.	\$1,044.19	\$1,264.29	\$0.19	\$3.29	0.02	0.02	3.05	3.09
448	Building Materials & Gardening	\$751.53	\$924.31	\$2.69	\$3.27	0.31	0.31	-0.04	0.58
519	Federal Government - Military	\$343.59	\$582.95	\$1.95	\$3.25	0.22	1.13	-0.05	1.30
133	Logging Camps and Logging Contractors	\$141.01	\$148.30	\$2.33	\$3.07	0.26	-0.14	0.62	0.74
500	Social Services, N.E.C.	\$880.29	\$1,171.06	\$2.72	\$3.01	0.31	0.59	-0.62	0.28
458	Security and Commodity Brokers	\$1,735.19	\$2,316.89	\$1.63	\$2.78	0.18	0.36	0.61	1.15
495	Elementary and Secondary Schools	\$449.12	\$507.31	\$2.09	\$2.69	0.24	0.03	0.33	0.60
51	New Highways and Streets	\$789.27	\$897.46	\$1.90	\$2.67	0.22	0.04	0.51	0.77
294	Metal Stampings, N.E.C.	\$544.26	\$661.68	\$1.01	\$2.67	0.11	0.10	1.44	1.66
211	Paving Mixtures and Blocks	\$130.21	\$161.60	\$0.00	\$2.42	0.00	0.00	0.00	0.00
198	Surface Active Agents	\$7.70	\$8.49	\$2.37	\$2.34	0.27	-0.03	-0.27	-0.03
441	Communications, Except Radio and TV	\$2,693.81	\$3,368.00	\$3.26	\$2.27	0.37	0.45	-1.81	-0.99
460	Insurance Agents and Brokers	\$1,466.44	\$1,403.82	\$3.33	\$2.24	0.38	-0.52	-0.95	-1.09
482	Miscellaneous Repair Shops	\$539.00	\$581.96	\$0.64	\$2.19	0.07	-0.02	1.50	1.55
507	Accounting, Auditing and Bookkeeping	\$1,302.25	\$1,477.26	\$1.35	\$2.11	0.15	0.03	0.58	0.76
174	Newspapers	\$844.01	\$933.50	\$2.10	\$2.01	0.24	-0.02	-0.32	-0.09
213	Lubricating Oils and Greases	\$75.31	\$72.10	\$5.64	\$1.70	0.64	-0.88	-3.69	-3.93

50	New Utility Structures	\$541.16	\$569.87	\$1.28	\$1.68	0.15	-0.08	0.33	0.40
483	Motion Pictures	\$830.08	\$879.30	\$2.04	\$1.48	0.23	-0.11	-0.69	-0.56
453	Furniture & Home Furnishings Stores	\$1,013.56	\$1,159.76	\$1.13	\$1.47	0.13	0.03	0.18	0.35
505	Religious Organizations	\$308.64	\$593.22	\$0.99	\$1.45	0.11	0.80	-0.46	0.45
313	Oil Field Machinery	\$2.84	\$3.74	\$1.18	\$1.41	0.13	0.24	-0.14	0.23
499	Child Day Care Services	\$298.35	\$351.56	\$1.38	\$1.31	0.16	0.09	-0.32	-0.07
403	Mechanical Measuring Devices	\$921.11	\$1,139.65	\$2.09	\$1.28	0.24	0.26	-1.31	-0.81
52	New Farm Structures	\$286.66	\$418.91	\$0.73	\$1.24	0.08	0.25	0.18	0.52
511	State and Local Electric Utilities	\$152.12	\$219.66	\$2.14	\$1.23	0.24	0.71	-1.87	-0.92
283	Metal Doors, Sash, and Trim	\$47.44	\$56.14	\$10.18	\$1.17	1.16	0.71	-10.88	-9.01
474	Personnel Supply Services	\$1,149.69	\$1,384.86	\$0.83	\$1.11	0.09	0.08	0.10	0.28
404	Instruments To Measure Electricity	\$126.41	\$164.85	\$0.57	\$1.06	0.06	0.11	0.32	0.49
466	Beauty and Barber Shops	\$568.78	\$648.45	\$0.91	\$1.01	0.10	0.02	-0.03	0.10
467	Funeral Service and Crematories	\$141.68	\$162.52	\$1.33	\$0.98	0.15	0.04	-0.56	-0.36
437	Air Transportation	\$3,426.89	\$3,963.39	\$0.14	\$0.96	0.02	0.01	0.80	0.82
509	Research, Development & Testing Service	\$457.51	\$480.54	\$1.67	\$0.95	0.19	-0.11	-0.81	-0.72
263	Secondary Nonferrous Metals	\$99.63	\$81.90	\$0.93	\$0.93	0.11	-0.27	0.17	0.00
459	Insurance Carriers	\$5,663.83	\$6,204.42	\$0.89	\$0.89	0.10	-0.02	-0.08	0.00
387	Truck Trailers	\$105.60	\$99.33	\$0.20	\$0.88	0.02	-0.03	0.69	0.68
337	Industrial Furnaces and Ovens	\$79.73	\$96.03	\$0.00	\$0.83	0.00	0.00	0.00	0.00
439	Arrangement Of Passenger Transportation	\$434.22	\$543.92	\$0.53	\$0.82	0.06	0.07	0.15	0.29
220	Miscellaneous Plastics Products	\$2,509.15	\$2,810.33	\$6.36	\$0.72	0.72	0.04	-6.41	-5.64
473	Equipment Rental and Leasing	\$371.05	\$411.47	\$0.98	\$0.70	0.11	0.00	-0.39	-0.28
488	Amusement and Recreation Services, N.E.	\$1,299.44	\$1,470.96	\$4.25	\$0.69	0.48	0.08	-4.12	-3.56
355	Transformers	\$56.14	\$60.48	\$0.00	\$0.69	0.00	0.00	0.00	0.00
525	Domestic Services	\$118.94	\$122.67	\$0.67	\$0.67	0.08	-0.06	-0.02	0.00
443	Electric Services	\$3,534.23	\$2,702.82	\$0.77	\$0.58	0.09	-0.27	0.00	-0.18
465	Portrait and Photographic Studios	\$239.83	\$191.53	\$0.84	\$0.52	0.10	-0.27	-0.15	-0.32
503	Business Associations	\$335.88	\$244.40	\$0.45	\$0.52	0.05	-0.17	0.20	0.07
97	Canned and Cured Sea Foods	\$26.78	\$33.61	\$0.50	\$0.49	0.06	0.07	-0.14	-0.01
472	Services To Buildings	\$411.59	\$554.36	\$0.51	\$0.45	0.06	0.12	-0.24	-0.06
498	Job Trainings & Related Services	\$288.12	\$377.30	\$0.66	\$0.42	0.07	0.13	-0.44	-0.23
457	Credit Agencies	\$1,628.88	\$1,622.43	\$0.46	\$0.40	0.05	-0.05	-0.06	-0.06
53	New Mineral Extraction Facilities	\$140.53	\$140.86	\$0.32	\$0.40	0.04	-0.04	0.08	0.08
510	Local Government Passenger Transit	\$72.99	\$77.23	\$0.46	\$0.38	0.05	-0.03	-0.10	-0.08
368	Wiring Devices	\$186.86	\$213.63	\$0.00	\$0.35	0.00	0.00	0.00	0.00
489	Membership Sports and Recreation Clubs	\$244.60	\$303.14	\$0.05	\$0.34	0.01	0.01	0.28	0.29

95	Bottled and Canned Soft Drinks & Water	\$665.83	\$728.09	\$0.31	\$0.34	0.04	-0.01	-0.01	0.02
130	Automotive and Apparel Trimmings	\$149.73	\$145.41	\$0.00	\$0.30	0.00	0.00	0.00	0.00
476	Detective and Protective Services	\$173.29	\$157.41	\$0.21	\$0.30	0.02	-0.04	0.11	0.09
57	Maintenance and Repair Oil and Gas Well:	\$3.30	\$26.84	\$0.01	\$0.28	0.00	0.10	0.16	0.26
508	Management and Consulting Services	\$1,345.45	\$1,639.91	\$0.24	\$0.28	0.03	0.03	-0.02	0.04
27	Landscape and Horticultural Services	\$260.13	\$294.92	\$0.28	\$0.28	0.03	0.01	-0.05	-0.01
501	Residential Care	\$529.04	\$665.68	\$0.29	\$0.27	0.03	0.04	-0.09	-0.02
314	Elevators and Moving Stairways	\$18.47	\$25.89	\$0.12	\$0.25	0.01	0.03	0.09	0.13
321	Special Dies and Tools and Accessories	\$411.94	\$529.25	\$0.20	\$0.24	0.02	0.03	-0.02	0.04
179	Commercial Printing	\$2,674.75	\$2,855.07	\$0.29	\$0.24	0.03	-0.01	-0.07	-0.05
373	Radio and Tv Communication Equipment	\$280.10	\$359.21	\$0.00	\$0.21	0.00	0.00	0.00	0.00
119	Coated Fabrics, Not Rubberized	\$15.06	\$14.99	\$0.00	\$0.21	0.00	0.00	0.00	0.00
67	Canned Fruits and Vegetables	\$465.50	\$498.45	\$0.18	\$0.21	0.02	-0.01	0.01	0.02
276	Hand and Edge Tools, N.E.C.	\$232.82	\$269.56	\$0.00	\$0.20	0.00	0.00	0.00	0.00
485	Bowling Alleys and Pool Halls	\$98.53	\$94.00	\$0.25	\$0.20	0.03	-0.04	-0.03	-0.04
484	Theatrical Producers, Bands Etc.	\$358.09	\$397.79	\$0.00	\$0.19	0.00	0.00	0.00	0.00
102	Macaroni and Spaghetti	\$65.47	\$44.44	\$0.21	\$0.18	0.02	-0.09	0.03	-0.04
412	Ophthalmic Goods	\$135.23	\$217.78	\$0.27	\$0.17	0.03	0.14	-0.27	-0.10
420	Games, Toys, and Childrens Vehicles	\$25.01	\$25.90	\$0.03	\$0.14	0.00	0.00	0.10	0.10
319	Machine Tools, Metal Forming Types	\$16.34	\$22.10	\$0.20	\$0.14	0.02	0.05	-0.13	-0.06
247	Cut Stone and Stone Products	\$98.95	\$164.89	\$0.12	\$0.09	0.01	0.07	-0.12	-0.03
26	Agricultural, Forestry, Fishery Services	\$124.77	\$153.51	\$0.03	\$0.07	0.00	0.00	0.03	0.03
295	Plating and Polishing	\$156.98	\$165.01	\$0.07	\$0.04	0.01	0.00	-0.04	-0.04
241	Pottery Products, N.E.C	\$3.03	\$2.91	\$0.02	\$0.02	0.00	0.00	0.00	0.00
138	Wood Kitchen Cabinets	\$302.11	\$302.86	\$0.00	\$0.01	0.00	0.00	0.00	0.00
144	Prefabricated Wood Buildings	\$101.94	\$91.62	\$0.00	\$0.01	0.00	0.00	0.00	0.00
180	Manifold Business Forms	\$294.41	\$261.07	\$0.00	\$0.01	0.00	0.00	0.00	0.00
182	Blankbooks and Looseleaf Binder	\$365.10	\$424.71	\$0.00	\$0.01	0.00	0.00	0.00	0.00
184	Typesetting	\$70.01	\$94.71	\$0.00	\$0.00	0.00	0.00	0.00	0.00
224	Shoes, Except Rubber	\$138.89	\$160.44	\$0.00	\$0.00	0.00	0.00	0.00	0.00
128	Canvas Products	\$15.55	\$18.59	\$0.00	\$0.00	0.00	0.00	0.00	0.00
158	Metal Partitions and Fixtures	\$182.86	\$190.64	\$0.00	\$0.00	0.00	0.00	0.00	0.00
129	Pleating and Stitching	\$11.52	\$22.35	\$0.00	\$0.00	0.00	0.00	0.00	0.00

1997 Value Added Location Quotient Analysis

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Reported in millions of dollars

Hibbing as compared to Northeast Minnesota

Sorted by:

Industry	North East MN		LQ
	Hibbing 97	97	
Total	\$439.3	\$5,911.3	
28 Iron Ores	\$54.4	\$388.8	1.88
523 State & Local Government - Non-Education	\$44.9	\$571.4	1.06
447 Wholesale Trade	\$30.2	\$324.5	1.25
522 State & Local Government - Education	\$24.8	\$371.0	0.90
490 Doctors and Dentists	\$23.3	\$353.3	0.89
492 Hospitals	\$15.5	\$224.0	0.93
56 Maintenance and Repair Other Facilities	\$10.9	\$135.5	1.08
378 Electronic Components, N.E.C.	\$9.2	\$10.2	12.16
259 Iron and Steel Foundries	\$9.1	\$20.1	6.12
433 Railroads and Related Services	\$9.0	\$89.1	1.35
462 Real Estate	\$8.7	\$200.3	0.58
450 Food Stores	\$8.1	\$119.1	0.92
451 Automotive Dealers & Service Stations	\$7.8	\$141.3	0.74
454 Eating & Drinking	\$7.4	\$135.5	0.74
491 Nursing and Protective Care	\$7.3	\$68.2	1.44
513 U.S. Postal Service	\$7.1	\$75.5	1.26
520 Federal Government - Non-Military	\$6.8	\$83.2	1.11
456 Banking	\$6.5	\$202.9	0.43
470 Other Business Services	\$5.5	\$24.4	3.01
455 Miscellaneous Retail	\$5.3	\$142.1	0.50
452 Apparel & Accessory Stores	\$5.2	\$65.8	1.06
191 Plastics Materials and Resins	\$5.2	\$5.2	13.46
493 Other Medical and Health Services	\$5.1	\$36.5	1.88
496 Colleges, Universities, Schools	\$4.5	\$24.0	2.54
480 Electrical Repair Service	\$4.5	\$10.8	5.62

512	Other State and Local Govt Enterprises	\$4.4	\$71.3	0.83
449	General Merchandise Stores	\$4.2	\$76.3	0.75
434	Local, Interurban Passenger Transit	\$4.1	\$24.2	2.27
284	Fabricated Plate Work (Boiler Shops)	\$3.9	\$3.9	13.41
219	Fabricated Rubber Products, N.E.C.	\$3.6	\$5.4	9.06
49	New Industrial and Commercial Buildings	\$3.6	\$71.7	0.68
464	Laundry, Cleaning and Shoe Repair	\$3.6	\$13.0	3.74
48	New Residential Structures	\$3.6	\$71.4	0.68
54	New Government Facilities	\$3.3	\$65.9	0.68
479	Automobile Repair and Services	\$3.3	\$46.2	0.95
519	Federal Government - Military	\$3.3	\$42.8	1.02
59	Sausages and Other Prepared Meats	\$3.1	\$3.1	13.46
504	Labor and Civic Organizations	\$3.0	\$36.7	1.09
469	Advertising	\$2.8	\$7.8	4.87
494	Legal Services	\$2.8	\$47.0	0.79
448	Building Materials & Gardening	\$2.7	\$53.3	0.69
334	Blowers and Fans	\$2.7	\$2.7	13.46
280	Plumbing Fixture Fittings and Trim	\$2.6	\$6.8	5.17
506	Engineering, Architectural Services	\$2.6	\$22.4	1.57
376	Printed Circuit Boards	\$2.5	\$2.6	12.96
463	Hotels and Lodging Places	\$2.4	\$79.4	0.41
435	Motor Freight Transport and Warehousing	\$2.4	\$83.4	0.39
55	Maintenance and Repair, Residential	\$2.4	\$29.4	1.08
389	Aircraft	\$2.2	\$5.8	5.17
458	Security and Commodity Brokers	\$1.8	\$27.0	0.92
507	Accounting, Auditing and Bookkeeping	\$1.8	\$46.9	0.52
460	Insurance Agents and Brokers	\$1.7	\$28.7	0.81
441	Communications, Except Radio and TV	\$1.4	\$52.3	0.35
500	Social Services, N.E.C.	\$1.3	\$23.7	0.75
354	Industrial Machines N.E.C.	\$1.3	\$16.7	1.01
211	Paving Mixtures and Blocks	\$1.2	\$4.3	3.71
294	Metal Stampings, N.E.C.	\$1.2	\$1.8	8.85
133	Logging Camps and Logging Contractors	\$1.2	\$40.0	0.40
174	Newspapers	\$1.1	\$27.7	0.55
453	Furniture & Home Furnishings Stores	\$1.1	\$26.7	0.56
442	Radio and TV Broadcasting	\$1.1	\$20.6	0.73
198	Surface Active Agents	\$1.1	\$4.0	3.71

399	Transportation Equipment, N.E.C	\$1.1	\$4.2	3.53
474	Personnel Supply Services	\$1.1	\$17.8	0.81
482	Miscellaneous Repair Shops	\$1.0	\$19.2	0.71
51	New Highways and Streets	\$1.0	\$19.4	0.68
495	Elementary and Secondary Schools	\$0.9	\$6.2	1.99
50	New Utility Structures	\$0.8	\$16.5	0.68
313	Oil Field Machinery	\$0.7	\$1.9	5.05
525	Domestic Services	\$0.7	\$8.0	1.14
467	Funeral Service and Crematories	\$0.7	\$9.8	0.92
283	Metal Doors, Sash, and Trim	\$0.6	\$0.9	9.42
466	Beauty and Barber Shops	\$0.5	\$13.8	0.54
511	State and Local Electric Utilities	\$0.5	\$8.6	0.85
459	Insurance Carriers	\$0.5	\$30.2	0.24
499	Child Day Care Services	\$0.5	\$4.2	1.72
443	Electric Services	\$0.5	\$369.7	0.02
437	Air Transportation	\$0.5	\$46.1	0.15
509	Research, Development & Testing Services	\$0.5	\$10.2	0.67
505	Religious Organizations	\$0.5	\$24.1	0.27
439	Arrangement Of Passenger Transportation	\$0.5	\$4.6	1.42
52	New Farm Structures	\$0.4	\$8.7	0.68
488	Amusement and Recreation Services, N.E.C.	\$0.4	\$82.3	0.07
53	New Mineral Extraction Facilities	\$0.4	\$7.8	0.68
403	Mechanical Measuring Devices	\$0.4	\$0.7	6.73
473	Equipment Rental and Leasing	\$0.3	\$7.4	0.61
457	Credit Agencies	\$0.3	\$11.0	0.38
213	Lubricating Oils and Greases	\$0.3	\$1.1	3.71
404	Instruments To Measure Electricity	\$0.3	\$0.7	5.05
476	Detective and Protective Services	\$0.3	\$3.3	1.05
387	Truck Trailers	\$0.2	\$0.6	5.17
483	Motion Pictures	\$0.2	\$5.2	0.64
465	Portrait and Photographic Studios	\$0.2	\$4.5	0.73
220	Miscellaneous Plastics Products	\$0.2	\$4.2	0.78
472	Services To Buildings	\$0.2	\$11.9	0.27
503	Business Associations	\$0.2	\$5.0	0.63
498	Job Trainings & Related Services	\$0.2	\$11.6	0.24
27	Landscape and Horticultural Services	\$0.2	\$11.2	0.25
501	Residential Care	\$0.2	\$38.4	0.06

355	Transformers	\$0.2	\$0.5	5.05
368	Wiring Devices	\$0.2	\$0.5	5.05
337	Industrial Furnaces and Ovens	\$0.1	\$0.4	5.05
276	Hand and Edge Tools, N.E.C.	\$0.1	\$0.4	4.94
489	Membership Sports and Recreation Clubs	\$0.1	\$2.3	0.74
321	Special Dies and Tools and Accessories	\$0.1	\$4.8	0.35
508	Management and Consulting Services	\$0.1	\$23.9	0.06
263	Secondary Nonferrous Metals	\$0.1	\$0.3	5.17
485	Bowling Alleys and Pool Halls	\$0.1	\$2.2	0.60
179	Commercial Printing	\$0.1	\$14.5	0.09
57	Maintenance and Repair Oil and Gas Wells	\$0.1	\$0.6	1.91
314	Elevators and Moving Stairways	\$0.1	\$0.2	5.05
95	Bottled and Canned Soft Drinks & Water	\$0.1	\$1.4	0.64
97	Canned and Cured Sea Foods	\$0.1	\$0.4	2.17
67	Canned Fruits and Vegetables	\$0.1	\$0.2	3.36
119	Coated Fabrics, Not Rubberized	\$0.1	\$2.0	0.39
373	Radio and Tv Communication Equipment	\$0.0	\$0.1	5.05
130	Automotive and Apparel Trimmings	\$0.0	\$0.6	1.15

**Hibbing as compared to
Minnesota:**

Sorted by:

	Industry	Hibbing 97	MN 97	LQ
	Total	\$438.8	\$150,854.4	
28	Iron Ores	\$54.4	\$388.8	48.12
523	State & Local Government - Non-Education	\$44.9	\$6,610.7	2.33
447	Wholesale Trade	\$30.2	\$13,482.9	0.77
522	State & Local Government - Education	\$24.8	\$5,523.2	1.54
490	Doctors and Dentists	\$23.3	\$4,685.8	1.71
492	Hospitals	\$15.5	\$2,464.1	2.16
56	Maintenance and Repair Other Facilities	\$10.9	\$2,369.0	1.58
378	Electronic Components, N.E.C.	\$9.2	\$176.0	18.05
259	Iron and Steel Foundries	\$9.1	\$103.3	30.36
433	Railroads and Related Services	\$9.0	\$609.6	5.05
462	Real Estate	\$8.7	\$6,023.2	0.49

450	Food Stores	\$8.1	\$1,615.2	1.73
451	Automotive Dealers & Service Stations	\$7.8	\$2,329.7	1.15
454	Eating & Drinking	\$7.4	\$2,507.3	1.02
491	Nursing and Protective Care	\$7.3	\$1,200.4	2.09
513	U.S. Postal Service	\$7.1	\$857.2	2.84
520	Federal Government - Non-Military	\$6.8	\$1,257.0	1.87
456	Banking	\$6.5	\$4,068.6	0.55
470	Other Business Services	\$5.5	\$1,331.5	1.41
455	Miscellaneous Retail	\$5.3	\$2,753.8	0.66
452	Apparel & Accessory Stores	\$5.2	\$498.5	3.57
191	Plastics Materials and Resins	\$5.2	\$24.6	72.00
493	Other Medical and Health Services	\$5.1	\$662.6	2.65
496	Colleges, Universities, Schools	\$4.5	\$539.5	2.88
480	Electrical Repair Service	\$4.5	\$85.7	18.08
512	Other State and Local Govt Enterprises	\$4.4	\$672.8	2.26
449	General Merchandise Stores	\$4.2	\$1,917.0	0.76
434	Local, Interurban Passenger Transit	\$4.1	\$312.0	4.50
284	Fabricated Plate Work (Boiler Shops)	\$3.9	\$168.9	7.85
219	Fabricated Rubber Products, N.E.C.	\$3.6	\$115.6	10.84
49	New Industrial and Commercial Buildings	\$3.6	\$1,254.3	0.99
464	Laundry, Cleaning and Shoe Repair	\$3.6	\$307.1	4.03
48	New Residential Structures	\$3.6	\$1,247.7	0.99
54	New Government Facilities	\$3.3	\$1,151.8	0.99
479	Automobile Repair and Services	\$3.3	\$932.1	1.21
519	Federal Government - Military	\$3.3	\$582.9	1.92
59	Sausages and Other Prepared Meats	\$3.1	\$236.9	4.52
504	Labor and Civic Organizations	\$3.0	\$323.9	3.16
469	Advertising	\$2.8	\$461.7	2.10
494	Legal Services	\$2.8	\$1,631.5	0.58
448	Building Materials & Gardening	\$2.7	\$772.4	1.22
334	Blowers and Fans	\$2.7	\$140.5	6.61
280	Plumbing Fixture Fittings and Trim	\$2.6	\$8.3	108.36
506	Engineering, Architectural Services	\$2.6	\$834.9	1.07
376	Printed Circuit Boards	\$2.5	\$451.2	1.88
463	Hotels and Lodging Places	\$2.4	\$802.0	1.05
435	Motor Freight Transport and Warehousing	\$2.4	\$1,835.1	0.45
55	Maintenance and Repair, Residential	\$2.4	\$514.5	1.58

389	Aircraft	\$2.2	\$7.8	97.42
458	Security and Commodity Brokers	\$1.8	\$1,595.2	0.40
507	Accounting, Auditing and Bookkeeping	\$1.8	\$1,277.9	0.49
460	Insurance Agents and Brokers	\$1.7	\$1,085.3	0.55
441	Communications, Except Radio and TV	\$1.4	\$2,030.1	0.23
500	Social Services, N.E.C.	\$1.3	\$550.9	0.82
354	Industrial Machines N.E.C.	\$1.3	\$566.8	0.76
211	Paving Mixtures and Blocks	\$1.2	\$77.2	5.28
294	Metal Stampings, N.E.C.	\$1.2	\$313.7	1.29
133	Logging Camps and Logging Contractors	\$1.2	\$56.7	7.13
174	Newspapers	\$1.1	\$499.4	0.77
453	Furniture & Home Furnishings Stores	\$1.1	\$879.4	0.44
442	Radio and TV Broadcasting	\$1.1	\$309.2	1.24
198	Surface Active Agents	\$1.1	\$4.0	94.78
399	Transportation Equipment, N.E.C	\$1.1	\$125.6	2.98
474	Personnel Supply Services	\$1.1	\$1,347.2	0.27
482	Miscellaneous Repair Shops	\$1.0	\$246.7	1.41
51	New Highways and Streets	\$1.0	\$339.5	0.99
495	Elementary and Secondary Schools	\$0.9	\$194.7	1.62
50	New Utility Structures	\$0.8	\$288.5	0.99
313	Oil Field Machinery	\$0.7	\$1.9	129.10
525	Domestic Services	\$0.7	\$122.7	1.89
467	Funeral Service and Crematories	\$0.7	\$110.6	2.07
283	Metal Doors, Sash, and Trim	\$0.6	\$30.3	7.20
466	Beauty and Barber Shops	\$0.5	\$373.6	0.50
511	State and Local Electric Utilities	\$0.5	\$99.7	1.87
459	Insurance Carriers	\$0.5	\$4,007.5	0.05
499	Child Day Care Services	\$0.5	\$148.1	1.24
443	Electric Services	\$0.5	\$2,443.2	0.07
437	Air Transportation	\$0.5	\$2,383.3	0.08
509	Research, Development & Testing Services	\$0.5	\$272.4	0.65
505	Religious Organizations	\$0.5	\$297.8	0.56
439	Arrangement Of Passenger Transportation	\$0.5	\$358.9	0.46
52	New Farm Structures	\$0.4	\$153.4	0.99
488	Amusement and Recreation Services, N.E.C.	\$0.4	\$901.4	0.16
53	New Mineral Extraction Facilities	\$0.4	\$137.9	0.98
403	Mechanical Measuring Devices	\$0.4	\$431.9	0.30

473	Equipment Rental and Leasing	\$0.3	\$206.7	0.57
457	Credit Agencies	\$0.3	\$1,351.0	0.08
213	Lubricating Oils and Greases	\$0.3	\$11.7	8.78
404	Instruments To Measure Electricity	\$0.3	\$59.8	1.59
476	Detective and Protective Services	\$0.3	\$136.7	0.65
387	Truck Trailers	\$0.2	\$30.4	2.82
483	Motion Pictures	\$0.2	\$224.8	0.38
465	Portrait and Photographic Studios	\$0.2	\$106.2	0.80
220	Miscellaneous Plastics Products	\$0.2	\$930.1	0.09
472	Services To Buildings	\$0.2	\$309.2	0.26
503	Business Associations	\$0.2	\$129.1	0.62
498	Job Trainings & Related Services	\$0.2	\$190.6	0.38
27	Landscape and Horticultural Services	\$0.2	\$221.6	0.32
501	Residential Care	\$0.2	\$459.1	0.13
355	Transformers	\$0.2	\$23.0	2.67
368	Wiring Devices	\$0.2	\$119.6	0.49
337	Industrial Furnaces and Ovens	\$0.1	\$31.7	1.44
276	Hand and Edge Tools, N.E.C.	\$0.1	\$173.8	0.26
489	Membership Sports and Recreation Clubs	\$0.1	\$113.9	0.38
321	Special Dies and Tools and Accessories	\$0.1	\$313.4	0.14
508	Management and Consulting Services	\$0.1	\$898.8	0.04
263	Secondary Nonferrous Metals	\$0.1	\$12.8	2.90
485	Bowling Alleys and Pool Halls	\$0.1	\$46.6	0.73
179	Commercial Printing	\$0.1	\$1,299.4	0.03
57	Maintenance and Repair Oil and Gas Wells	\$0.1	\$9.6	3.31
314	Elevators and Moving Stairways	\$0.1	\$8.7	2.86
95	Bottled and Canned Soft Drinks & Water	\$0.1	\$162.5	0.14
97	Canned and Cured Sea Foods	\$0.1	\$9.0	2.36
67	Canned Fruits and Vegetables	\$0.1	\$139.8	0.15
119	Coated Fabrics, Not Rubberized	\$0.1	\$4.3	4.70
373	Radio and Tv Communication Equipment	\$0.0	\$125.2	0.14

1995 - 1997 Value Added Shift-Share Analysis

1) Hibbing vs NE Minnesota

2) Hibbing vs Minnesota

Reported in millions of dollars

Hibbing as compared to Northeast Minnesota

Sorted by:

Industry	th East MN 95	th East MN 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
Total	\$6,852.84	\$7,135.48	\$445.10	\$438.76				
28 Iron Ores	\$333.14	\$388.84	\$49.18	\$54.42	2.03	6.19	-2.98	5.25
523 State & Local Government - Non-Education	\$430.76	\$571.37	\$26.78	\$44.88	1.10	7.64	9.35	18.10
447 Wholesale Trade	\$456.50	\$324.46	\$46.35	\$30.18	1.91	-15.32	-2.76	-16.17
522 State & Local Government - Education	\$400.77	\$371.04	\$36.03	\$24.81	1.49	-4.16	-8.54	-11.22
490 Doctors and Dentists	\$259.90	\$353.25	\$20.58	\$23.28	0.85	6.54	-4.69	2.71
492 Hospitals	\$194.91	\$223.97	\$13.90	\$15.51	0.57	1.50	-0.47	1.61
56 Maintenance and Repair Other Facilities	\$120.94	\$135.46	\$8.37	\$10.92	0.35	0.66	1.54	2.55
378 Electronic Components, N.E.C.	\$0.67	\$10.23	\$0.61	\$9.24	0.03	8.61	0.00	8.63
259 Iron and Steel Foundries	\$18.71	\$20.06	\$4.94	\$9.12	0.20	0.15	3.83	4.18
433 Railroads and Related Services	\$83.56	\$89.06	\$1.40	\$8.96	0.06	0.03	7.47	7.56
462 Real Estate	\$196.81	\$200.26	\$11.49	\$8.66	0.47	-0.27	-3.03	-2.83
450 Food Stores	\$97.52	\$119.13	\$8.22	\$8.13	0.34	1.48	-1.91	-0.08
451 Automotive Dealers & Service Stations	\$136.05	\$141.33	\$7.66	\$7.81	0.32	-0.02	-0.15	0.15
454 Eating & Drinking	\$135.95	\$135.51	\$7.21	\$7.44	0.30	-0.32	0.25	0.22
491 Nursing and Protective Care	\$61.44	\$68.17	\$7.52	\$7.31	0.31	0.51	-1.03	-0.20
513 U.S. Postal Service	\$36.96	\$75.46	\$2.93	\$7.08	0.12	2.93	1.10	4.15
520 Federal Government - Non-Military	\$115.50	\$83.18	\$9.21	\$6.85	0.38	-2.96	0.22	-2.36
456 Banking	\$163.40	\$202.92	\$5.74	\$6.51	0.24	1.15	-0.61	0.77
470 Other Business Services	\$19.53	\$24.43	\$3.03	\$5.46	0.12	0.63	1.67	2.43
455 Miscellaneous Retail	\$119.45	\$142.13	\$5.09	\$5.25	0.21	0.76	-0.81	0.16
452 Apparel & Accessory Stores	\$39.02	\$65.79	\$3.23	\$5.18	0.13	2.08	-0.26	1.95
191 Plastics Materials and Resins	\$0.71	\$5.16	\$0.24	\$5.16	0.01	1.47	3.44	4.92
493 Other Medical and Health Services	\$41.59	\$36.51	\$3.48	\$5.10	0.14	-0.57	2.05	1.63
496 Colleges, Universities, Schools	\$17.74	\$23.98	\$5.57	\$4.52	0.23	1.73	-3.01	-1.05
480 Electrical Repair Service	\$10.01	\$10.79	\$2.30	\$4.51	0.09	0.08	2.03	2.21

512 Other State and Local Govt Enterprises	\$47.25	\$71.31	\$4.42	\$4.42	0.18	2.07	-2.24	0.01
449 General Merchandise Stores	\$91.48	\$76.27	\$4.60	\$4.23	0.19	-0.95	0.39	-0.38
434 Local, Interurban Passenger Transit	\$16.96	\$24.22	\$3.35	\$4.08	0.14	1.30	-0.71	0.73
284 Fabricated Plate Work (Boiler Shops)	\$0.62	\$3.87	\$0.17	\$3.86	0.01	0.88	2.80	3.69
219 Fabricated Rubber Products, N.E.C.	\$4.90	\$5.42	\$4.68	\$3.65	0.19	0.30	-1.53	-1.03
49 New Industrial and Commercial Buildings	\$63.26	\$71.72	\$2.52	\$3.61	0.10	0.23	0.75	1.09
464 Laundry, Cleaning and Shoe Repair	\$11.48	\$12.95	\$3.01	\$3.60	0.12	0.26	0.20	0.59
48 New Residential Structures	\$63.83	\$71.36	\$2.53	\$3.59	0.10	0.19	0.76	1.06
54 New Government Facilities	\$59.35	\$65.88	\$2.36	\$3.31	0.10	0.16	0.70	0.96
479 Automobile Repair and Services	\$34.01	\$46.25	\$3.11	\$3.28	0.13	0.99	-0.95	0.17
519 Federal Government - Military	\$25.60	\$42.76	\$1.95	\$3.25	0.08	1.22	0.00	1.30
59 Sausages and Other Prepared Meats	\$1.25	\$3.11	\$0.22	\$3.11	0.01	0.32	2.56	2.89
504 Labor and Civic Organizations	\$47.48	\$36.68	\$1.97	\$2.98	0.08	-0.53	1.46	1.01
469 Advertising	\$7.21	\$7.78	\$3.34	\$2.82	0.14	0.12	-0.79	-0.53
494 Legal Services	\$66.24	\$47.05	\$4.09	\$2.76	0.17	-1.35	-0.15	-1.33
448 Building Materials & Gardening	\$53.55	\$53.31	\$2.51	\$2.73	0.10	-0.12	0.23	0.22
334 Blowers and Fans	\$2.16	\$2.70	\$2.17	\$2.70	0.09	0.45	-0.01	0.53
280 Plumbing Fixture Fittings and Trim	\$4.06	\$6.83	\$1.24	\$2.63	0.05	0.79	0.54	1.38
506 Engineering, Architectural Services	\$21.93	\$22.39	\$3.13	\$2.61	0.13	-0.06	-0.59	-0.52
376 Printed Circuit Boards	\$14.10	\$2.56	\$14.09	\$2.47	0.58	-12.11	-0.09	-11.62
463 Hotels and Lodging Places	\$80.58	\$79.41	\$2.37	\$2.44	0.10	-0.13	0.11	0.07
435 Motor Freight Transport and Warehousing	\$75.34	\$83.40	\$1.48	\$2.41	0.06	0.10	0.77	0.93
55 Maintenance and Repair, Residential	\$26.34	\$29.42	\$1.82	\$2.37	0.07	0.14	0.34	0.55
389 Aircraft	\$3.72	\$5.76	\$1.13	\$2.21	0.05	0.57	0.46	1.08
458 Security and Commodity Brokers	\$20.79	\$26.99	\$1.34	\$1.85	0.06	0.34	0.11	0.51
507 Accounting, Auditing and Bookkeeping	\$23.33	\$46.90	\$0.93	\$1.83	0.04	0.90	-0.03	0.90
460 Insurance Agents and Brokers	\$33.44	\$28.67	\$2.22	\$1.73	0.09	-0.41	-0.17	-0.49
441 Communications, Except Radio and TV	\$73.03	\$52.26	\$2.44	\$1.36	0.10	-0.79	-0.38	-1.07
500 Social Services, N.E.C.	\$22.62	\$23.69	\$1.44	\$1.31	0.06	0.01	-0.19	-0.12
354 Industrial Machines N.E.C.	\$12.35	\$16.73	\$0.08	\$1.25	0.00	0.03	1.14	1.17
211 Paving Mixtures and Blocks	\$35.59	\$4.30	\$0.00	\$1.19	0.00	0.00	0.00	0.00
294 Metal Stampings, N.E.C.	\$0.48	\$1.79	\$0.43	\$1.18	0.02	1.14	-0.41	0.75
133 Logging Camps and Logging Contractors	\$38.27	\$39.98	\$0.88	\$1.18	0.04	0.00	0.26	0.30
174 Newspapers	\$24.54	\$27.66	\$1.11	\$1.12	0.05	0.10	-0.13	0.01
453 Furniture & Home Furnishings Stores	\$28.41	\$26.66	\$0.95	\$1.12	0.04	-0.10	0.22	0.16
442 Radio and TV Broadcasting	\$26.56	\$20.61	\$1.55	\$1.12	0.06	-0.41	-0.09	-0.43
198 Surface Active Agents	\$2.03	\$4.01	\$0.62	\$1.11	0.03	0.59	-0.13	0.48

399 Transportation Equipment, N.E.C	\$1.81	\$4.15	\$0.29	\$1.09	0.01	0.37	0.42	0.80
474 Personnel Supply Services	\$14.61	\$17.80	\$0.75	\$1.08	0.03	0.13	0.17	0.33
482 Miscellaneous Repair Shops	\$16.58	\$19.17	\$0.29	\$1.01	0.01	0.03	0.67	0.72
51 New Highways and Streets	\$17.58	\$19.41	\$0.70	\$0.98	0.03	0.04	0.20	0.27
495 Elementary and Secondary Schools	\$4.34	\$6.22	\$0.68	\$0.92	0.03	0.27	-0.06	0.24
50 New Utility Structures	\$14.87	\$16.50	\$0.59	\$0.83	0.02	0.04	0.18	0.24
313 Oil Field Machinery	\$1.71	\$1.94	\$0.71	\$0.73	0.03	0.07	-0.07	0.02
525 Domestic Services	\$7.66	\$7.96	\$0.67	\$0.67	0.03	0.00	-0.03	0.00
467 Funeral Service and Crematories	\$9.53	\$9.79	\$0.91	\$0.67	0.04	-0.01	-0.27	-0.24
283 Metal Doors, Sash, and Trim	\$4.82	\$0.90	\$4.82	\$0.63	0.20	-4.12	-0.27	-4.19
466 Beauty and Barber Shops	\$12.28	\$13.75	\$0.49	\$0.55	0.02	0.04	0.00	0.05
511 State and Local Electric Utilities	\$13.32	\$8.58	\$1.39	\$0.54	0.06	-0.55	-0.35	-0.85
459 Insurance Carriers	\$22.21	\$30.19	\$0.49	\$0.54	0.02	0.16	-0.13	0.05
499 Child Day Care Services	\$3.98	\$4.18	\$0.60	\$0.54	0.02	0.00	-0.10	-0.07
443 Electric Services	\$398.18	\$369.72	\$0.60	\$0.53	0.02	-0.07	-0.02	-0.07
437 Air Transportation	\$6.65	\$46.06	\$0.07	\$0.53	0.00	0.39	0.07	0.46
509 Research, Development & Testing Service	\$11.07	\$10.23	\$0.92	\$0.51	0.04	-0.11	-0.34	-0.41
505 Religious Organizations	\$2.35	\$24.10	\$0.37	\$0.48	0.02	3.41	-3.31	0.11
439 Arrangement Of Passenger Transportation	\$4.80	\$4.55	\$0.36	\$0.48	0.02	-0.03	0.13	0.12
52 New Farm Structures	\$7.64	\$8.75	\$0.32	\$0.44	0.01	0.03	0.07	0.12
488 Amusement and Recreation Services, N.E.	\$71.49	\$82.35	\$2.52	\$0.42	0.10	0.28	-2.49	-2.10
53 New Mineral Extraction Facilities	\$6.57	\$7.81	\$0.28	\$0.39	0.01	0.04	0.06	0.12
403 Mechanical Measuring Devices	\$0.62	\$0.74	\$0.62	\$0.37	0.03	0.10	-0.37	-0.25
473 Equipment Rental and Leasing	\$7.27	\$7.44	\$0.46	\$0.34	0.02	-0.01	-0.13	-0.12
457 Credit Agencies	\$9.59	\$11.01	\$0.17	\$0.31	0.01	0.02	0.12	0.14
213 Lubricating Oils and Greases	\$3.92	\$1.09	\$1.32	\$0.30	0.05	-1.01	-0.07	-1.02
404 Instruments To Measure Electricity	\$0.41	\$0.73	\$0.17	\$0.28	0.01	0.12	-0.02	0.11
476 Detective and Protective Services	\$2.68	\$3.34	\$0.17	\$0.26	0.01	0.03	0.05	0.09
387 Truck Trailers	\$0.06	\$0.65	\$0.06	\$0.25	0.00	0.58	-0.39	0.19
483 Motion Pictures	\$7.31	\$5.20	\$0.38	\$0.25	0.02	-0.12	-0.02	-0.13
465 Portrait and Photographic Studios	\$4.46	\$4.52	\$0.41	\$0.25	0.02	-0.01	-0.17	-0.16
220 Miscellaneous Plastics Products	\$4.18	\$4.25	\$2.02	\$0.25	0.08	-0.05	-1.81	-1.77
472 Services To Buildings	\$13.07	\$11.89	\$0.32	\$0.24	0.01	-0.04	-0.05	-0.08
503 Business Associations	\$10.06	\$4.98	\$0.28	\$0.23	0.01	-0.15	0.09	-0.05
498 Job Trainings & Related Services	\$9.05	\$11.55	\$0.37	\$0.21	0.02	0.09	-0.26	-0.16
27 Landscape and Horticultural Services	\$12.07	\$11.23	\$0.27	\$0.21	0.01	-0.03	-0.05	-0.06
501 Residential Care	\$36.29	\$38.42	\$0.21	\$0.18	0.01	0.00	-0.05	-0.03

355 Transformers	\$0.00	\$0.47	\$0.00	\$0.18	0.00	0.00	0.00	0.00
368 Wiring Devices	\$0.00	\$0.45	\$0.00	\$0.17	0.00	0.00	0.00	0.00
337 Industrial Furnaces and Ovens	\$0.13	\$0.35	\$0.00	\$0.13	0.00	0.00	0.00	0.00
276 Hand and Edge Tools, N.E.C.	\$2.93	\$0.36	\$0.00	\$0.13	0.00	0.00	0.00	0.00
489 Membership Sports and Recreation Clubs	\$3.02	\$2.29	\$0.03	\$0.13	0.00	-0.01	0.11	0.10
321 Special Dies and Tools and Accessories	\$4.30	\$4.83	\$0.12	\$0.12	0.01	0.01	-0.02	0.00
508 Management and Consulting Services	\$22.86	\$23.90	\$0.09	\$0.11	0.00	0.00	0.02	0.02
263 Secondary Nonferrous Metals	\$0.37	\$0.28	\$0.11	\$0.11	0.00	-0.03	0.03	0.00
485 Bowling Alleys and Pool Halls	\$2.44	\$2.22	\$0.12	\$0.10	0.00	-0.02	-0.01	-0.02
179 Commercial Printing	\$13.91	\$14.45	\$0.11	\$0.10	0.00	0.00	-0.02	-0.01
57 Maintenance and Repair Oil and Gas Well:	\$0.24	\$0.65	\$0.01	\$0.09	0.00	0.02	0.06	0.08
314 Elevators and Moving Stairways	\$0.10	\$0.19	\$0.05	\$0.07	0.00	0.04	-0.02	0.02
95 Bottled and Canned Soft Drinks & Water	\$1.79	\$1.38	\$0.07	\$0.07	0.00	-0.02	0.01	-0.01
97 Canned and Cured Sea Foods	\$0.74	\$0.39	\$0.12	\$0.06	0.01	-0.06	0.00	-0.06
67 Canned Fruits and Vegetables	\$0.54	\$0.25	\$0.06	\$0.06	0.00	-0.04	0.03	0.00
119 Coated Fabrics, Not Rubberized	\$3.02	\$1.99	\$0.00	\$0.06	0.00	0.00	0.00	0.00
373 Radio and Tv Communication Equipment	\$0.00	\$0.13	\$0.00	\$0.05	0.00	0.00	0.00	0.00
130 Automotive and Apparel Trimmings	\$0.42	\$0.57	\$0.00	\$0.05	0.00	0.00	0.00	0.00
412 Ophthalmic Goods	\$0.22	\$0.13	\$0.10	\$0.05	0.00	-0.04	-0.01	-0.05
319 Machine Tools, Metal Forming Types	\$0.23	\$0.29	\$0.08	\$0.05	0.00	0.02	-0.05	-0.03
102 Macaroni and Spaghetti	\$0.33	\$0.14	\$0.05	\$0.05	0.00	-0.03	0.02	-0.01
420 Games, Toys, and Childrens Vehicles	\$3.24	\$0.32	\$0.01	\$0.04	0.00	-0.01	0.04	0.03
295 Plating and Polishing	\$0.24	\$0.26	\$0.05	\$0.03	0.00	0.00	-0.02	-0.02
484 Theatrical Producers, Bands Etc.	\$1.99	\$1.51	\$0.00	\$0.02	0.00	0.00	0.00	0.00
247 Cut Stone and Stone Products	\$0.14	\$0.05	\$0.05	\$0.02	0.00	-0.03	0.00	-0.03
26 Agricultural, Forestry, Fishery Services	\$3.95	\$2.81	\$0.03	\$0.01	0.00	-0.01	-0.01	-0.01
138 Wood Kitchen Cabinets	\$0.39	\$0.74	\$0.00	\$0.01	0.00	0.00	0.00	0.00
241 Pottery Products, N.E.C	\$0.09	\$0.13	\$0.01	\$0.00	0.00	0.00	-0.01	0.00

Hibbing as compared to
Minnesota:

Sorted by:

Industry	MN 95	MN 97	Hibbing 95	Hibbing 97	Share	Mix	Competition	Change
Total	\$134,403.27	\$150,854.36	\$445.10	\$438.76				
28 Iron Ores	\$333.21	\$388.85	\$49.18	\$54.42	6.02	2.19	-2.96	5.25
523 State & Local Government - Non-Education	\$5,213.32	\$6,610.75	\$26.78	\$44.88	3.28	3.90	10.92	18.10
447 Wholesale Trade	\$10,841.14	\$13,482.92	\$46.35	\$30.18	5.67	5.62	-27.46	-16.17
522 State & Local Government - Education	\$6,070.49	\$5,523.25	\$36.03	\$24.81	4.41	-7.66	-7.97	-11.22
490 Doctors and Dentists	\$4,224.43	\$4,685.85	\$20.58	\$23.28	2.52	-0.27	0.46	2.71
492 Hospitals	\$2,240.72	\$2,464.15	\$13.90	\$15.51	1.70	-0.32	0.22	1.61
56 Maintenance and Repair Other Facilities	\$2,064.99	\$2,369.03	\$8.37	\$10.92	1.02	0.21	1.31	2.55
378 Electronic Components, N.E.C.	\$143.61	\$176.00	\$0.61	\$9.24	0.07	0.06	8.50	8.63
259 Iron and Steel Foundries	\$89.02	\$103.26	\$4.94	\$9.12	0.60	0.19	3.39	4.18
433 Railroads and Related Services	\$630.07	\$609.59	\$1.40	\$8.96	0.17	-0.22	7.60	7.56
462 Real Estate	\$5,984.06	\$6,023.18	\$11.49	\$8.66	1.41	-1.33	-2.90	-2.83
450 Food Stores	\$1,591.19	\$1,615.18	\$8.22	\$8.13	1.01	-0.88	-0.21	-0.08
451 Automotive Dealers & Service Stations	\$2,058.20	\$2,329.72	\$7.66	\$7.81	0.94	0.07	-0.86	0.15
454 Eating & Drinking	\$2,369.93	\$2,507.28	\$7.21	\$7.44	0.88	-0.46	-0.20	0.22
491 Nursing and Protective Care	\$1,124.29	\$1,200.38	\$7.52	\$7.31	0.92	-0.41	-0.71	-0.20
513 U.S. Postal Service	\$731.49	\$857.16	\$2.93	\$7.08	0.36	0.14	3.65	4.15
520 Federal Government - Non-Military	\$1,687.44	\$1,257.04	\$9.21	\$6.85	1.13	-3.48	-0.01	-2.36
456 Banking	\$3,679.65	\$4,068.62	\$5.74	\$6.51	0.70	-0.10	0.17	0.77
470 Other Business Services	\$1,095.65	\$1,331.49	\$3.03	\$5.46	0.37	0.28	1.78	2.43
455 Miscellaneous Retail	\$2,123.22	\$2,753.80	\$5.09	\$5.25	0.62	0.89	-1.35	0.16
452 Apparel & Accessory Stores	\$462.74	\$498.53	\$3.23	\$5.18	0.40	-0.15	1.70	1.95
191 Plastics Materials and Resins	\$24.86	\$24.64	\$0.24	\$5.16	0.03	-0.03	4.93	4.92
493 Other Medical and Health Services	\$606.55	\$662.62	\$3.48	\$5.10	0.43	-0.10	1.30	1.63
496 Colleges, Universities, Schools	\$470.46	\$539.51	\$5.57	\$4.52	0.68	0.14	-1.87	-1.05
480 Electrical Repair Service	\$84.52	\$85.70	\$2.30	\$4.51	0.28	-0.25	2.18	2.21
512 Other State and Local Govt Enterprises	\$406.61	\$672.81	\$4.42	\$4.42	0.54	2.35	-2.88	0.01
449 General Merchandise Stores	\$1,797.77	\$1,916.97	\$4.60	\$4.23	0.56	-0.26	-0.68	-0.38
434 Local, Interurban Passenger Transit	\$264.87	\$312.04	\$3.35	\$4.08	0.41	0.19	0.13	0.73
284 Fabricated Plate Work (Boiler Shops)	\$139.44	\$168.87	\$0.17	\$3.86	0.02	0.01	3.65	3.69
219 Fabricated Rubber Products, N.E.C.	\$105.11	\$115.63	\$4.68	\$3.65	0.57	-0.10	-1.50	-1.03

49 New Industrial and Commercial Buildings	\$1,079.33	\$1,254.27	\$2.52	\$3.61	0.31	0.10	0.68	1.09
464 Laundry, Cleaning and Shoe Repair	\$270.30	\$307.08	\$3.01	\$3.60	0.37	0.04	0.18	0.59
48 New Residential Structures	\$1,089.03	\$1,247.67	\$2.53	\$3.59	0.31	0.06	0.69	1.06
54 New Government Facilities	\$1,013.04	\$1,151.79	\$2.36	\$3.31	0.29	0.03	0.63	0.96
479 Automobile Repair and Services	\$739.55	\$932.11	\$3.11	\$3.28	0.38	0.43	-0.64	0.17
519 Federal Government - Military	\$343.59	\$582.95	\$1.95	\$3.25	0.24	1.12	-0.05	1.30
59 Sausages and Other Prepared Meats	\$202.17	\$236.85	\$0.22	\$3.11	0.03	0.01	2.86	2.89
504 Labor and Civic Organizations	\$532.50	\$323.94	\$1.97	\$2.98	0.24	-1.01	1.78	1.01
469 Advertising	\$406.26	\$461.71	\$3.34	\$2.82	0.41	0.05	-0.98	-0.53
494 Legal Services	\$1,601.91	\$1,631.53	\$4.09	\$2.76	0.50	-0.43	-1.41	-1.33
448 Building Materials & Gardening	\$700.19	\$772.37	\$2.51	\$2.73	0.31	-0.05	-0.04	0.22
334 Blowers and Fans	\$126.60	\$140.55	\$2.17	\$2.70	0.27	-0.03	0.29	0.53
280 Plumbing Fixture Fittings and Trim	\$7.51	\$8.33	\$1.24	\$2.63	0.15	-0.02	1.25	1.38
506 Engineering, Architectural Services	\$763.55	\$834.88	\$3.13	\$2.61	0.38	-0.09	-0.82	-0.52
376 Printed Circuit Boards	\$389.52	\$451.24	\$14.09	\$2.47	1.72	0.51	-13.86	-11.62
463 Hotels and Lodging Places	\$728.58	\$801.96	\$2.37	\$2.44	0.29	-0.05	-0.17	0.07
435 Motor Freight Transport and Warehousing	\$1,773.44	\$1,835.07	\$1.48	\$2.41	0.18	-0.13	0.88	0.93
55 Maintenance and Repair, Residential	\$449.70	\$514.50	\$1.82	\$2.37	0.22	0.04	0.29	0.55
389 Aircraft	\$4.39	\$7.81	\$1.13	\$2.21	0.14	0.74	0.19	1.08
458 Security and Commodity Brokers	\$1,432.67	\$1,595.22	\$1.34	\$1.85	0.16	-0.01	0.36	0.51
507 Accounting, Auditing and Bookkeeping	\$900.14	\$1,277.86	\$0.93	\$1.83	0.11	0.28	0.51	0.90
460 Insurance Agents and Brokers	\$1,005.44	\$1,085.28	\$2.22	\$1.73	0.27	-0.10	-0.66	-0.49
441 Communications, Except Radio and TV	\$2,011.11	\$2,030.07	\$2.44	\$1.36	0.30	-0.28	-1.10	-1.07
500 Social Services, N.E.C.	\$507.86	\$550.87	\$1.44	\$1.31	0.18	-0.05	-0.25	-0.12
354 Industrial Machines N.E.C.	\$512.10	\$566.77	\$0.08	\$1.25	0.01	0.00	1.16	1.17
211 Paving Mixtures and Blocks	\$61.70	\$77.23	\$0.00	\$1.19	0.00	0.00	0.00	0.00
294 Metal Stampings, N.E.C.	\$240.86	\$313.67	\$0.43	\$1.18	0.05	0.08	0.62	0.75
133 Logging Camps and Logging Contractors	\$53.31	\$56.71	\$0.88	\$1.18	0.11	-0.05	0.24	0.30
174 Newspapers	\$425.53	\$499.36	\$1.11	\$1.12	0.14	0.06	-0.18	0.01
453 Furniture & Home Furnishings Stores	\$856.42	\$879.37	\$0.95	\$1.12	0.12	-0.09	0.14	0.16
442 Radio and TV Broadcasting	\$332.54	\$309.17	\$1.55	\$1.12	0.19	-0.30	-0.33	-0.43
198 Surface Active Agents	\$2.03	\$4.01	\$0.62	\$1.11	0.08	0.54	-0.13	0.48
399 Transportation Equipment, N.E.C.	\$97.44	\$125.61	\$0.29	\$1.09	0.04	0.05	0.71	0.80
474 Personnel Supply Services	\$1,035.78	\$1,347.21	\$0.75	\$1.08	0.09	0.13	0.11	0.33
482 Miscellaneous Repair Shops	\$229.01	\$246.74	\$0.29	\$1.01	0.04	-0.01	0.70	0.72
51 New Highways and Streets	\$300.09	\$339.52	\$0.70	\$0.98	0.09	0.01	0.18	0.27
495 Elementary and Secondary Schools	\$166.55	\$194.68	\$0.68	\$0.92	0.08	0.03	0.12	0.24

50 New Utility Structures	\$253.88	\$288.53	\$0.59	\$0.83	0.07	0.01	0.16	0.24
313 Oil Field Machinery	\$1.71	\$1.94	\$0.71	\$0.73	0.09	0.01	-0.07	0.02
525 Domestic Services	\$118.94	\$122.67	\$0.67	\$0.67	0.08	-0.06	-0.02	0.00
467 Funeral Service and Crematories	\$97.40	\$110.63	\$0.91	\$0.67	0.11	0.01	-0.37	-0.24
283 Metal Doors, Sash, and Trim	\$22.76	\$30.27	\$4.82	\$0.63	0.59	1.00	-5.78	-4.19
466 Beauty and Barber Shops	\$331.49	\$373.61	\$0.49	\$0.55	0.06	0.00	-0.01	0.05
511 State and Local Electric Utilities	\$98.41	\$99.73	\$1.39	\$0.54	0.17	-0.15	-0.86	-0.85
459 Insurance Carriers	\$3,350.88	\$4,007.54	\$0.49	\$0.54	0.06	0.04	-0.05	0.05
499 Child Day Care Services	\$129.34	\$148.13	\$0.60	\$0.54	0.07	0.01	-0.16	-0.07
443 Electric Services	\$2,750.60	\$2,443.20	\$0.60	\$0.53	0.07	-0.14	0.00	-0.07
437 Air Transportation	\$1,759.43	\$2,383.29	\$0.07	\$0.53	0.01	0.02	0.44	0.46
509 Research, Development & Testing Service	\$257.16	\$272.36	\$0.92	\$0.51	0.11	-0.06	-0.46	-0.41
505 Religious Organizations	\$45.98	\$297.84	\$0.37	\$0.48	0.05	1.98	-1.92	0.11
439 Arrangement Of Passenger Transportation	\$311.39	\$358.94	\$0.36	\$0.48	0.04	0.01	0.06	0.12
52 New Farm Structures	\$130.62	\$153.38	\$0.32	\$0.44	0.04	0.02	0.06	0.12
488 Amusement and Recreation Services, N.E.	\$772.63	\$901.44	\$2.52	\$0.42	0.31	0.11	-2.52	-2.10
53 New Mineral Extraction Facilities	\$112.11	\$137.91	\$0.28	\$0.39	0.03	0.03	0.05	0.12
403 Mechanical Measuring Devices	\$355.60	\$431.93	\$0.62	\$0.37	0.08	0.06	-0.38	-0.25
473 Equipment Rental and Leasing	\$178.67	\$206.69	\$0.46	\$0.34	0.06	0.02	-0.19	-0.12
457 Credit Agencies	\$837.15	\$1,351.02	\$0.17	\$0.31	0.02	0.08	0.04	0.14
213 Lubricating Oils and Greases	\$13.70	\$11.75	\$1.32	\$0.30	0.16	-0.35	-0.84	-1.02
404 Instruments To Measure Electricity	\$49.41	\$59.84	\$0.17	\$0.28	0.02	0.01	0.07	0.11
476 Detective and Protective Services	\$141.34	\$136.74	\$0.17	\$0.26	0.02	-0.03	0.10	0.09
387 Truck Trailers	\$32.15	\$30.39	\$0.06	\$0.25	0.01	-0.01	0.20	0.19
483 Motion Pictures	\$221.83	\$224.84	\$0.38	\$0.25	0.05	-0.04	-0.14	-0.13
465 Portrait and Photographic Studios	\$134.34	\$106.21	\$0.41	\$0.25	0.05	-0.14	-0.08	-0.16
220 Miscellaneous Plastics Products	\$778.16	\$930.09	\$2.02	\$0.25	0.25	0.15	-2.17	-1.77
472 Services To Buildings	\$268.23	\$309.24	\$0.32	\$0.24	0.04	0.01	-0.13	-0.08
503 Business Associations	\$274.76	\$129.07	\$0.28	\$0.23	0.03	-0.18	0.10	-0.05
498 Job Trainings & Related Services	\$169.39	\$190.60	\$0.37	\$0.21	0.05	0.00	-0.21	-0.16
27 Landscape and Horticultural Services	\$236.49	\$221.65	\$0.27	\$0.21	0.03	-0.05	-0.05	-0.06
501 Residential Care	\$401.51	\$459.09	\$0.21	\$0.18	0.03	0.00	-0.07	-0.03
355 Transformers	\$20.70	\$22.96	\$0.00	\$0.18	0.00	0.00	0.00	0.00
368 Wiring Devices	\$106.54	\$119.59	\$0.00	\$0.17	0.00	0.00	0.00	0.00
337 Industrial Furnaces and Ovens	\$31.75	\$31.69	\$0.00	\$0.13	0.00	0.00	0.00	0.00
276 Hand and Edge Tools, N.E.C.	\$137.15	\$173.76	\$0.00	\$0.13	0.00	0.00	0.00	0.00
489 Membership Sports and Recreation Clubs	\$130.99	\$113.93	\$0.03	\$0.13	0.00	-0.01	0.10	0.10

321 Special Dies and Tools and Accessories	\$275.49	\$313.43	\$0.12	\$0.12	0.02	0.00	-0.02	0.00
508 Management and Consulting Services	\$733.11	\$898.79	\$0.09	\$0.11	0.01	0.01	0.00	0.02
263 Secondary Nonferrous Metals	\$14.24	\$12.79	\$0.11	\$0.11	0.01	-0.02	0.01	0.00
485 Bowling Alleys and Pool Halls	\$46.20	\$46.62	\$0.12	\$0.10	0.01	-0.01	-0.02	-0.02
179 Commercial Printing	\$1,140.13	\$1,299.41	\$0.11	\$0.10	0.01	0.00	-0.03	-0.01
57 Maintenance and Repair Oil and Gas Well:	\$3.14	\$9.57	\$0.01	\$0.09	0.00	0.02	0.05	0.08
314 Elevators and Moving Stairways	\$8.31	\$8.73	\$0.05	\$0.07	0.01	0.00	0.02	0.02
95 Bottled and Canned Soft Drinks & Water	\$159.00	\$162.47	\$0.07	\$0.07	0.01	-0.01	-0.01	-0.01
97 Canned and Cured Sea Foods	\$10.50	\$9.03	\$0.12	\$0.06	0.02	-0.03	-0.04	-0.06
67 Canned Fruits and Vegetables	\$144.64	\$139.78	\$0.06	\$0.06	0.01	-0.01	0.00	0.00
119 Coated Fabrics, Not Rubberized	\$3.78	\$4.28	\$0.00	\$0.06	0.00	0.00	0.00	0.00
373 Radio and Tv Communication Equipment	\$113.13	\$125.23	\$0.00	\$0.05	0.00	0.00	0.00	0.00
130 Automotive and Apparel Trimmings	\$39.26	\$37.93	\$0.00	\$0.05	0.00	0.00	0.00	0.00
412 Ophthalmic Goods	\$55.27	\$71.45	\$0.10	\$0.05	0.01	0.02	-0.08	-0.05
319 Machine Tools, Metal Forming Types	\$6.47	\$7.75	\$0.08	\$0.05	0.01	0.01	-0.05	-0.03
102 Macaroni and Spaghetti	\$17.28	\$12.80	\$0.05	\$0.05	0.01	-0.02	0.01	-0.01
420 Games, Toys, and Childrens Vehicles	\$10.57	\$9.02	\$0.01	\$0.04	0.00	0.00	0.03	0.03
295 Plating and Polishing	\$110.66	\$129.55	\$0.05	\$0.03	0.01	0.00	-0.03	-0.02
484 Theatrical Producers, Bands Etc.	\$109.57	\$127.83	\$0.00	\$0.02	0.00	0.00	0.00	0.00
247 Cut Stone and Stone Products	\$49.47	\$62.54	\$0.05	\$0.02	0.01	0.01	-0.04	-0.03
26 Agricultural, Forestry, Fishery Services	\$98.74	\$82.45	\$0.03	\$0.01	0.00	-0.01	-0.01	-0.01
138 Wood Kitchen Cabinets	\$158.14	\$158.89	\$0.00	\$0.01	0.00	0.00	0.00	0.00
241 Pottery Products, N.E.C	\$1.30	\$1.03	\$0.01	\$0.00	0.00	0.00	0.00	0.00