ECONOMIC TRENDS AND DEVELOPMENT

STRATEGIES FOR MINERAL COUNTY
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July 1997

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This publication, *Economic Trends and Development Strategies for Mineral County*, was published by the University of Nevada Economic Development Center. Funds for the publication were provided by the United States Department of Commerce Economic Development Administration under University Centers Program contract #07-06-03262-96. Also funds for research for this project were provided by Mineral County Commissioners and the State of Nevada Commission on Economic Development CDBG Program. This publication's statements, findings, conclusions, recommendations, and/or data represent solely the findings and views of the authors and do not necessarily represent the views of the United States Department of Commerce, the Economic Development Administration, Mineral County Commissioners, State of Nevada Commission on Economic Development, University of Nevada, or any reference sources used or quoted by this study. Reference to research projects, programs, books, magazines, or newspaper articles does not imply an endorsement or recommendation by the authors unless otherwise stated. Correspondence regarding this document should be sent to:

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Introduction

Policy-makers throughout the United States are looking for ways to increase individual incomes and employment. With these goals in mind, public and private leaders at the local, state and national levels are trying to outline strategies for community economic development. These efforts are intensified in periods of high unemployment and economic instability.

Community economic development takes many forms. Industrial development organizations, economic development committees, business groups and government officials develop industrial parks, prepare promotional brochures and sponsor special events to stimulate income and employment at the local level. State officials employ industrial developers, provide special tax incentives and promote tourism. At the national level there are regional development districts, direct credit or loan guarantees for businesses, federal agency support to local government, protective tariffs, emergency employment programs and assistance to individuals.

The current economic situation - especially continuing high unemployment and international competition - has increased the role of governments at all levels. Some argue that government intervention does little to stimulate productivity or increase employment at the national level, but merely redistributes economic activity from one geographic region to another. They say the entire effort is a zero-sum game, benefiting one group of people at the expense of another.

Others argue that public investment can increase overall economic efficiency by increasing the flow of information and by reducing market imperfections which inhibit economic growth. They suggest lowering barriers to entrepreneurial entry will generate new sources of economic activity. They believe that investments in infrastructure, promotion, financial assistance, etc., will net higher employment and income. However, those who advocate public involvement must recognize a number of fundamental changes in the economic structure of the United States.
Structural Changes in the U.S. Economy

When a public entity invests in economic well-being, it rarely starts with a comprehensive analysis of the opportunities that communities have for development. Most investments reflect a historic preoccupation with goods-producing industries, especially those that rely on natural resources or manufacturing. For many years, policy-makers have viewed manufacturing, mining, farming, forestry and construction as the most effective vehicle for creating jobs and stimulating long-term income growth. This preoccupation grows out of the long-standing belief that goods-producing industries are the source of all wealth and that access to all services is dependent upon them. This theory says that a community can improve its income by producing more goods and selling them to buyers outside the community. In other words, the relative well-being of any locality, state or nation depends on its ability to produce and export goods.

This simplistic application of export base theory has limited relevance in today's interdependent economies, in which individuals must choose between costly life insurance programs, complex health care and other services and goods such as computers, stereos and recreational vehicles. Contemporary community economic development policy must realize that both goods-producing industries and service-producing industries play a fundamental role in generating jobs and income (Smith and Pulver, 1981; Smith, 1984; Porterfield and Pulver, 1991). It must recognize that per capita income can be increased not only through the export of more goods and services but by reducing imports of goods and services which can be produced as efficiently within the community.

The United States economy has changed substantially over the past 60 years. In 1920 slightly more than two-thirds of American workers were involved in the production of goods. In 1947, employment was almost evenly distributed between the goods-producing and service-producing sectors. In the 1980's, well over two-thirds of the workers and self-employed in the U.S. are in service-producing industries. Throughout the years the absolute number employed in the goods-producing sector has remained relatively constant at approximately 25 million people. During the same period, the number in service-producing industries has grown from approximately 15 million to approximately 86 million (see Figure 1).
Figure 1. Total U.S. Goods-Producing and Service-Producing Employment

<table>
<thead>
<tr>
<th>Goods-Producing Industries</th>
<th>Service-Producing Industries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mining</td>
<td>Transportation, Communication and Public Utilities</td>
</tr>
<tr>
<td>Construction</td>
<td>Wholesale and Retail Trade Services</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>Finance, Insurance and Real Estate Government</td>
</tr>
</tbody>
</table>
There are three fundamental reasons for reduction in percentage share of goods-producing employment (Table 1). First, the increased efficiency in production of goods has released human (labor) and other resources for application in other sectors of the economy. Because of increased production efficiency, the percentages of the U.S. work force required to meet the demands for food, fiber, minerals, construction and manufactured goods has declined.

Table 1. Why Are There Changes in Proportional Share in Goods-Producing and Service-Producing Industries?

- Increased Efficiencies in Production of Goods-Producing and Service-Producing Industries
- Increased Personal Incomes and Changes in Demand
- Changes in World Economy

Second, the increase in real wealth, that is, wealth net of inflation, has allowed individuals to demand what the service-producing sectors provide. Nearly every household now requires health, life and retirement insurance. Credit cards, personal checks, automatic teller machines and other financial services are seen as necessities, not privileges. Individuals now have opportunities to move, become educated and seek recreation. These are only a few examples of what American people have come to identify as essentials of life.
Third, another major reason that goods production has declined as a job generator in the United States is the changing world economic structure. In recent years, manufacturing jobs have been escaping the United State at an increasing rate (Drucker, 1980; Naisbitt, 1982). As a given industry’s manufacturing tasks become more standardized and its technology ages, its firms begin to seek more favorable economic climates abroad. For example, more and more textiles, leather products, steel, automobiles and radios are produced outside of the United States.

**FUTURE NATIONAL EMPLOYMENT GROWTH**

Sources of future employment growth in the U.S. are likely to be different than those of the past. Projected employment growth by the Bureau of Labor Statistics shows that from 1990 to 2005 goods-producing sector employment will increase by only 0.38 percent while the service-producing sector employment will increase by 27.31 percent (Table 2). Of interest, within the goods-producing sector, only the construction sector is forecast to realize an increase in employment while employment in the agricultural, mining and manufacturing sectors are forecast to decline.

Goods-producing industries, however, will continue to play a major role in any U.S., state, or county economic development program. In terms of absolute employment, the manufacturing sector continues to be important. The manufacturing sector is forecast to provide 19 million jobs nationally by 2005 or roughly 14 percent of the expected 136 million total national jobs.

Even more revealing is the forecast national sectoral production values for 2005 (Table 3). Employment or labor is only one factor that is employed in production output. Capital is the other factor which may increase production efficiency. From Table 3, the outputs for all industries in the goods-producing sector are forecast to increase by 2005. The manufacturing sector, even though forecast to employ less by 2005, remains the nation’s leading economic sector in value of output in 2005.
Table 2. Projected Total Employment by Major Sector in U.S.

<table>
<thead>
<tr>
<th>Sector</th>
<th>1990</th>
<th>2005</th>
<th>Percentage Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Thousands)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goods - Producing</td>
<td>28,324</td>
<td>28,341</td>
<td>0.38</td>
</tr>
<tr>
<td>Agriculture</td>
<td>3,276</td>
<td>3,080</td>
<td>-5.98</td>
</tr>
<tr>
<td>Mining</td>
<td>711</td>
<td>688</td>
<td>-3.23</td>
</tr>
<tr>
<td>Construction</td>
<td>5,136</td>
<td>6,059</td>
<td>17.97</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>19,111</td>
<td>18,514</td>
<td>-3.12</td>
</tr>
<tr>
<td>Service - Producing</td>
<td>84,363</td>
<td>107,405</td>
<td>27.31</td>
</tr>
<tr>
<td>T.C. &amp; P.U.</td>
<td>5,826</td>
<td>6,689</td>
<td>14.81</td>
</tr>
<tr>
<td>Wholesale Trade</td>
<td>6,205</td>
<td>7,210</td>
<td>16.20</td>
</tr>
<tr>
<td>Retail Trade</td>
<td>19,683</td>
<td>24,804</td>
<td>26.02</td>
</tr>
<tr>
<td>F.I.R.E.</td>
<td>6,739</td>
<td>8,129</td>
<td>20.63</td>
</tr>
<tr>
<td>Services</td>
<td>27,588</td>
<td>39,058</td>
<td>41.58</td>
</tr>
<tr>
<td>Government</td>
<td>18,322</td>
<td>21,515</td>
<td>17.43</td>
</tr>
<tr>
<td>TOTAL</td>
<td>112,597</td>
<td>135,746</td>
<td>20.56</td>
</tr>
</tbody>
</table>

a T.C. & P.U. is Transportation, Communication and Public Utilities
b F.I.R.E. is Finance, Insurance and Real Estate

Table 3. Projected Output by Major Economic Sectors for 1975, 1990 and projected 2005

<table>
<thead>
<tr>
<th>Sector</th>
<th>1975</th>
<th>1990</th>
<th>2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>157.4</td>
<td>185.7</td>
<td>242.5</td>
</tr>
<tr>
<td>Mining</td>
<td>222.5</td>
<td>220.5</td>
<td>217.9</td>
</tr>
<tr>
<td>Construction</td>
<td>333.8</td>
<td>505.4</td>
<td>656.2</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>1,722.7</td>
<td>2,584.9</td>
<td>3,634.6</td>
</tr>
<tr>
<td>T.C. &amp; P.U. a</td>
<td>446.1</td>
<td>615.2</td>
<td>857.3</td>
</tr>
<tr>
<td>Wholesale Trade</td>
<td>266.0</td>
<td>406.5</td>
<td>561.2</td>
</tr>
<tr>
<td>Retail Trade</td>
<td>380.8</td>
<td>634.4</td>
<td>918.5</td>
</tr>
<tr>
<td>F.I.R.E. b</td>
<td>571.9</td>
<td>878.3</td>
<td>1,191.6</td>
</tr>
<tr>
<td>Services</td>
<td>563.0</td>
<td>1,102.7</td>
<td>1,685.6</td>
</tr>
<tr>
<td>Government</td>
<td>376.1</td>
<td>481.3</td>
<td>596.2</td>
</tr>
<tr>
<td>Private Households</td>
<td>8.7</td>
<td>9.2</td>
<td>9.3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5,049.1</td>
<td>7,624.1</td>
<td>10,571.1</td>
</tr>
</tbody>
</table>

- (Billions of 1982 Dollars)-

a T.C. & P.U. is Transportation, Communication and Public Utilities
b F.I.R.E. is Finance, Insurance and Real Estate

Comparing Tables 2 and 3, manufacturing will continue to play an important role in many community economies. Shifts in agriculture and natural resource related production will also have important impacts (both positive and negative) on many rural and urban communities. It is clear that expansion of the goods-producing sector will continue to be an important part of any economic development strategy. However, it will no longer be the dominant force it once was.

TRENDS IN NATIONAL, STATE OF NEVADA AND MINERAL COUNTY SOURCES OF TOTAL PERSONAL INCOME

As with employment, the national trends of total personal income have changed from goods-producing to service-producing industries. It is also helpful to compare and contrast changes at the state and county level. Through such comparisons local economic development initiatives can be formulated which move with national trends or others that are counter-cyclical. Local institutions, tax laws, labor characteristics or natural endowments may dictate local economic development targets that either flow with or counter to national trends.

From Table 4, the share of total national personal income derived from the manufacturing sector has declined from 1970 to 1994. However, nationally, the service sector has realized an increased proportionate share of total personal income.

Also from Table 4, the state of Nevada has a smaller proportionate share of total state personal income from the manufacturing sector but unlike the national trend, manufacturing’s proportionate share statewide remained somewhat constant from 1970 to 1994. For the state of Nevada, the sector with the largest proportionate share of total state personal income is the service sector. Service Sector’s proportionate share in Nevada is larger than the nation because of the large casino gaming sector within the state.
<table>
<thead>
<tr>
<th>Sector</th>
<th>UNITED STATES</th>
<th>STATE OF NEVADA</th>
<th>MINERAL COUNTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent</td>
<td></td>
<td>Percent</td>
</tr>
<tr>
<td>Agriculture</td>
<td>2.16</td>
<td>0.88</td>
<td>1.45</td>
</tr>
<tr>
<td>Ag Services</td>
<td>0.35</td>
<td>0.45</td>
<td>0.20</td>
</tr>
<tr>
<td>Mining</td>
<td>0.82</td>
<td>0.61</td>
<td>1.70</td>
</tr>
<tr>
<td>Construction</td>
<td>5.01</td>
<td>3.68</td>
<td>6.93</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>20.55</td>
<td>12.60</td>
<td>3.23</td>
</tr>
<tr>
<td>Transportation, Communication and Public Utilities</td>
<td>5.88</td>
<td>4.60</td>
<td>5.58</td>
</tr>
<tr>
<td>Wholesale Trade</td>
<td>4.68</td>
<td>4.30</td>
<td>2.48</td>
</tr>
<tr>
<td>Retail Trade</td>
<td>8.42</td>
<td>6.61</td>
<td>9.23</td>
</tr>
<tr>
<td>Finance, Insurance and Real Estate</td>
<td>4.19</td>
<td>5.11</td>
<td>3.32</td>
</tr>
<tr>
<td>Services</td>
<td>12.22</td>
<td>19.00</td>
<td>31.04</td>
</tr>
<tr>
<td>Government, Federal</td>
<td>5.15</td>
<td>3.02</td>
<td>6.27</td>
</tr>
<tr>
<td>Dividends, Interest and Rents</td>
<td>12.95</td>
<td>14.98</td>
<td>12.32</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100.00</td>
<td>100.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>


*a Definitions of economic sector are found in Appendix.*
Sectoral proportionate shares of total county personal income for Mineral County are shown in Table 4. The proportionate share of total county personal income from the mining sector is much larger than the national and state values. Contrary to the national trend, the proportionate share of total personal income for the mining sector in Mineral County and the state has increased from 1970 to 1994. Like the state and national service sectors, Mineral County’s service sector is large and has increased from 1970 to 1994. This increase in Mineral County’s service sector can be explained by the transfer of Hawthorne Army Depot base operations from federal, military to civilian.

The increasing share of total personal income provided by dividends, interest and rents and transfer payments at the national, state and county levels is of interest. Nationally, dividends, interest and rents have increased their share of total personal income from approximately 13 percent in 1970 to approximately 15 percent in 1994, while for the state of Nevada the proportionate share of total personal income held by dividends, interests and rents has increased from approximately 12 percent in 1970 to approximately 15 percent in 1994. Mineral County, has realized an increase in its proportionate share of county personal income from dividends, interests and rents. Proportionate share of Mineral County’s total personal income attributable to dividends, interest and rents increased from 5.99 percent in 1970 to 9.17 percent in 1994.

Dividends, interests and rents are primarily incomes received from investments in financial instruments and real estate. Transfer payments (e.g., Social Security, Medicare, Veteran’s pensions) have also increased their proportionate share of total personal income nationally by approximately 6 percent, and by 6 percent for the state of Nevada. Transfer payments have also increased in Mineral County increasing in their proportionate share of personal income by 13.07 percent from 1970 to 1994.

Table 5 shows the population of the United States, the State of Nevada and Mineral County of persons who are Less than 65 Years of Age and 65 Years of Age and Older. Nationally, overall population grew by 22 percent from 1970 to 1990. Proportionate share of national population 65 Years and Older increased from 9.9 percent in 1970 to 12.5 percent in 1990. The population group of persons Less than 65 Years of Age grew nationally by 19.1
Table 5. U.S., State of Nevada and Mineral County Population Under and Over 65 Years of Age, 1970 and 1990

<table>
<thead>
<tr>
<th>Age Category</th>
<th>U. S.</th>
<th>State of Nevada</th>
<th>Mineral County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 65 Years</td>
<td>183,146,424</td>
<td>218,191,000</td>
<td>457,994</td>
</tr>
<tr>
<td>65 Years and Older</td>
<td>20,066,000</td>
<td>31,224,000</td>
<td>30,744</td>
</tr>
<tr>
<td>TOTAL</td>
<td>203,212,424</td>
<td>249,415,000</td>
<td>488,738</td>
</tr>
</tbody>
</table>

percent from 1970 to 1990 compared to a growth rate of 55.6 percent for persons 65 Years of Age and Older.

For the state of Nevada, population grew by 146.9 percent between 1970 to 1990. This rate of growth made Nevada the fastest growing state in the union. Proportionate share of state population 65 Years and Older increased from 6.3 percent in 1970 to 10.6 percent in 1990. The population group of persons less than 65 Years of Age for the state of Nevada grew by 134.5 percent from 1970 to 1990 compared to a growth rate of 315.1 percent for persons 65 Years and Older.

Unlike national and state trends of population increase from 1970 to 1990, Mineral County realized a population decrease of 8.2 percent from 1970 to 1990. Proportionate share of Mineral County population 65 years and older increased from 6.9 percent in 1970 to 13.1 percent in 1990. The population group of people less than 65 years of age in Mineral County decreased by 14.3 percent from 1970 to 1990 while the number of people 65 years and older in Mineral County grew by 74.4 percent.

**Variables Influencing Employment and Income**

Changes in a community's level of employment and income are influenced by five interconnected variables:

1. the migration of employers;
2. the change in employment size of existing firms;
3. the birth or death of firms;
4. the location of private expenditures;
5. public expenditure patterns

Each can have a positive or negative influence on employment in a specific geographic area. (Table 6).
Table 6. Variables Influencing Employment and Income

<table>
<thead>
<tr>
<th>Variables</th>
<th>Positive</th>
<th>Negative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Migration of employers</td>
<td>Firms move into an area</td>
<td>Firms move out of an area</td>
</tr>
<tr>
<td>Change in size of existing firms</td>
<td>Expansion in number of Employees</td>
<td>Contraction in number of employees</td>
</tr>
<tr>
<td>Births or death of firms</td>
<td>Firms are started</td>
<td>Firms die</td>
</tr>
<tr>
<td>Location of private expenditures</td>
<td>Goods and services are purchased locally</td>
<td>Good and services are purchased outside of area</td>
</tr>
<tr>
<td>Public expenditures patterns</td>
<td>Public expenditures are made in an area</td>
<td>Tax payments are sent out of an area</td>
</tr>
</tbody>
</table>

**Migration:** Birch (1979) indicates that U.S. firms rarely move their entire operations. The migration of employment opportunities generally takes the form of new branch plants, offices or other facilities. Between 1976 and 1980 new business establishments (including both new branches of affiliated firms and local startups) created about the same number of jobs as expansions of firms already in a community. In the same period, branch firms created 65 percent of the net change in U.S. private sector employment (Miller, 1985). Local governments do not always benefit, depending on associated public costs and tax legislation. But the migration of a firm out of an area almost always produces negative results. Not only are jobs and income lost, but tax revenues may be sharply reduced, while the obligation to pay off public debt continues (Detomasi and Gartrell, 1984; Summers, 1984; Summers et al., 1976).

**Change in Size:** Expanding firms have been the largest source of employment growth in most states. The often-repeated “80 percent of new jobs come from the growth of existing firms” is, if anything, an understatement. Armington and Odle of Brookings found that on average, each percentage point of net employment growth is the sum of 1.1 percent growth due to births of new
firms, -1.0 percent due to deaths of old ones, 1.7 percent due to expansion and - 0.8 percent due to production cutbacks or contractions (Armington and Odle, 1982). The fact that the contraction of existing firms also has a major effect on economic well-being has often been neglected. In recent years, many community economic development strategies have focused on business retention and expansion programs (Morse et al., 1985).

**Births and Deaths of Firms:** A number of recent studies have placed great emphasis on the importance of the birth of new firms, especially small ones, in the creation of jobs (Schwebe and Friedman, 1983). Davis et al. (1994) found from 1972 to 1988 for the manufacturing sector that firms with 20 employees or less had an annual job creation rate of 16.5 percent. This rate drops to 9.3 percent for companies with 500 to 999 employees and to 6.3 percent for firms who employ over 5,000 people. However, small companies also destroy jobs faster than big firms. Job destruction rates for firms with fewer than 20 employees average 18.8 percent. It is clear that independent firms both large and small are major contributors to employment growth through birth and expansion. Small independent firms also develop a significant portion of new high technology. A study produced for the Small Business Administration indicates that small firms produce 2.5 times as many innovations as large firms, relative to the number of people employed (Gellman Research Associates). More than half of the technological advances in this century are credited to individual inventors or small companies. (Environment and Management Report, 1967). The 1980's and 1990’s have been heralded by some as the age of the entrepreneur. Some argue that it is the only true generator of new jobs and income (Inc. Magazine, 1985). While there isn't complete agreement as to which factors encourage expansion of entrepreneurship in a specific geographic area, community economic development strategies should encompass this goal.

**Private Expenditures:** In an economic system dominated by private enterprise, consumers and industrialists are free to purchase goods and services any place they choose. Where they buy has a direct influence on employment and income in various geographic areas. If they acquire a share of their needs in other communities, states or nations, the immediate consequence is the loss
of employment and income opportunity at home. Since no community can produce everything its residents need, the long-run consequence of purchase patterns is a matter of trade balance. Local employment and income will be improved by anything that captures more of the purchases of local citizens and firms as well as those from outside of the community; this produces a positive trade balance. The converse is equally true.

**Public Expenditures:** The fifth variable with a profound influence on a community's economic well-being is public expenditures. In most U.S. communities, individuals and businesses pay a wide range of taxes, most of which go to wider governments (county, state and nation). A significant proportion of these funds are used to maintain the services of these broader governments (e.g. social security, national defense, highways, universities). Most of these funds are spent within specific communities to maintain services (i.e., streets, schools, police protection). Some of the rest are returned through grants, etc. for community purposes. Funds which are returned to the community, either as direct government expenditures or as grants, have a positive effect on employment and income. Communities which have a net outflow - that is, that pay more in taxes to wider governments than they get back in expenditures - lose employment and income. The potential effect is large. An indication of this is the fact that government employment (including federal, state and local) accounted for 11.04 percent of U.S. personal income in 1994. Government transfer payments, dominated by social security, Medicare and Medicaid, accounted for 9.92 percent of U.S. personal income in 1994 (see Table 4). Together nationally they are a larger source of personal income than manufacturing.

**Framework for Policy Development**

Community economic development planners should recognize that each of the five aforementioned variables have both positive and negative impacts on employment and income. Policy development does not take place in a vacuum. To properly exploit all community economic development options, policy makers need to consider four things:

1) Values
2) Goals
3) Resources
4) Opportunities for action.

Each individual and group of people (community, state and nation) brings a set of values to community economic development policy-making. For example, two values usually considered in community economic decisions are *efficiency and equity*. Efficiency calls for decisions which result in the optimum return for the community as a whole; equity leads to decisions aimed at a "fair" distribution of costs and benefits. Both strongly influence public policy choices. Other influential values have to do with the role of public intervention in the economy and that of citizen participation in public choice. Every individual, community, state and agency has a different set of values. Values are critical in determining what policies are acceptable.

Policy-makers must also analyze the resources which are available. These include both human and capital resources - not only those which are already in the community but acquirable from outside. Some strategists suggest that most economic development can be accomplished by simply using existing community resources more wisely. This underestimates the potential value of external private and public funds as well as technical know-how. Smaller communities are undoubtedly at a disadvantage from a resource standpoint, so their development strategies must differ from those in larger areas.

Goal setting should come early in policy development. Goals provide a focus for specific actions. Most successful economic development efforts make an effort to get citizens involved in setting goals. That is not to say that individual or small-group goal-setting and action cannot lead to more jobs and income. In fact, necessary change almost always requires individual effort. But if citizens participate, there's a better chance that the concerns and interests of the greatest number of people will be considered. It may also prevent the introduction of unnecessary barriers to economic change. Clear goals are a must in order to evaluate options against desired outcomes.

Although the preceding section lists only five general variables that influence employment and income, in most cases, policy makers have a wide range of courses of action from which to choose. Most actions influence more than one variable. Something that encourages growth of existing small business is likely to encourage entrepreneurship as well. A policy which
discourages outside firms from locating branch plants in a community may also discourage local private expenditure. This argues for a carefully thought out, comprehensive community economic development policy.

**Community Economic Development Strategies**

Which strategies are chosen for a community's economic development plans will depend on the area of coverage (community, state, nation) and on the resources and goals of the policymakers. Strategies for increasing employment and income fall into five general categories:

1. improve efficiency of existing firms
2. improve ability to capture dollars
3. attract new basic employers
4. encourage business formation
5. increase aids received from broader units of government

The following pages focus primarily on specific strategies for local community action. A similar list could be developed for action at the state and national level. Public governments at these levels have more latitude. For example, they can create financial institutions, target their expenditures to specific geographic areas and citizen groups, support broader promotion and management education efforts and modify tax environments. They can focus on specific variable that influence income and employment. Comprehensive community economic development policies at the community, state and national level are increasingly necessary but not yet a reality.

**Improve Efficiency of Existing Firms:** As firms become more efficient, they become more competitive in regional, state and national markets. The greater their efficiency, the more net income they can return to the community. The ability to stay competitive is a firm's best guarantee of being able to stay in business or expand in a specific locality. Efficiency is just as important to firms in industries in which total employment is declining. The most efficient of these can survive longest.
1) Organize educational programs to strengthen the management capacities of existing firms. Management is the factor most closely linked with business success or failure. Providing high quality management education at a low cost may be one of the most effective things a community can do to assure economic development.

2) Start a business and industry visitation program in which community leaders visit business executives on a regular basis in order to uncover limitations to growth. All businesses, not just manufacturing, should be included.

3) Encourage business growth by identifying capital sources. Small businesses are especially sensitive to capital availability. If local financial institutions are aggressive participants in local economic development efforts, deserving businesses can usually find adequate debt capital. Equity capital may be less readily available. Organized informal and formal capital pools are great stimulants to economic expansion.

4) Sponsor educational programs in science and technology to keep businesses aware of the latest technology in their field. Local universities and technical schools will usually cooperate in such efforts.

5) Improve the quality of the local work force by providing vocational and technical education, employment counseling and supportive social services. For example, parents who are preoccupied with the general well-being of their preschool children are seldom as productive at work; good day-care may be the answer. Constructive community action can be helpful.

6) Provide local and regional services that compete in quality and price with those of other communities. This can improve business efficiency and open access to nonlocal markets. Communications is a good example. Cities, villages and town with out-dated telephone systems present a major barrier to an increasingly computer-dependent society.

7) Sponsor business and industry appreciation events. These do little "per se" to improve operating efficiency, but they can encourage business leaders to stay in the community and to expand. At minimum they make management feel more a part of the community, adding a positive to the intangibles of business location.
**Improve Ability to Capture Dollars:** In every community, farmers, the self-employed, workers, retirees and businesses of all types control a substantial amount of the funds with which purchases will be made. Every dollar spent in the community, whether for retail and wholesale goods and services, or for other industrial inputs, adds to the community's employment and income. At least some of these dollars will be re-spent in the community. In contrast, dollars spent outside won't have this immediate positive impact on employment and income; nor will they have the important internal multiplier effect. Thousands of people pass by some communities on interstate highways, or visit nearby tourist attractions. The dollars spent locally by non-local people is as valuable as those generated by the exports of goods.

Communities can take a number of steps to capture these dollars;
1) Survey consumer needs and buying habits to identify the market potential of retail and service outlets. Once opportunities are identified, individuals or firms can be encouraged to do more specific market and financial feasibility analysis. Communities can also provide support mechanisms which help firms conduct difficult business analyses.
2) Analyze and renew downtown shopping districts. Sophisticated, costly plans are seldom implemented without early and active merchant and local government participation in the entire process. State and national historic preservation programs can often provide funding.
3) Help employers develop employee training programs to improve the quality of service. Friendly and efficient service is the cornerstone of all successful business.

**Attract New Basic Employers or Export Industries:** Bringing new basic employers to a community will add employment and income directly. Through the multiplier effect, it may also add other jobs and income. Basic employers can include manufacturers, nonmanufacturers such as tourist attractions, insurance headquarters, computer service bureaus, warehouses and nonlocal government. But use care in estimating the potential employment and income effect of new employers. Many of the jobs are apt to be taken by new immigrants or people who live in neighboring communities. Multipliers are seldom as high as hoped.

Nonetheless, community leaders can take a number of steps to attract employers:
1) Develop local industrial, office or commercial sites and public services, and provide specific information on available labor. Once they have decided where to locate, businesses want to set up shop and start operating in a hurry. Having well-prepared sites and facilities available speeds up this process. But the community has to weigh the cost of these investments against the likelihood of attracting a new industry.

2) Develop community and regional facilities to provide transportation, recreation, communication, business services, etc. These not only attract new employer; they also benefit existing businesses and prospective entrepreneurs. Businesses are giving such facilities more and more weight when selecting a location. Natural resource and market access are becoming relatively less important. Conditions which make a community a nice place in which to live are growing in importance. Generally they are strongly influenced by public or quasi-public governments.

3) Help provide capital resources. Reduced interest rates through revenue bonds and other incentives have become widespread. Large firms often look for this type of community assistance as a way of reducing the cost of construction of new facilities. Giveaways or temporary tax reductions seldom play a significant role in location.

4) Consider targeted searches for firms which might be interested in developing a local branch operation. Admittedly, such searches are long-shots. Nonetheless the process of becoming well-prepared to seek out prospective employers can also help businesses already in the community. The most desired types of employers can be identified through careful study.

5) Identify specific public programs, projects, offices, facilities and other services which could be located nearby and lobby to get them. State and national governments are significant employers. Programs and facilities are constantly changing. These represent a real growth opportunity.

6) Form organizations such as industrial development corporations. It is important that local government be involved in these efforts, but the flexibility of nongovernmental organizations is often useful. For instance, an industrial development corporation may move faster than a local government in taking options on land, or building streets in an industrial park. Communities must be careful to avoid giving something to attract a firm that they would not want to give existing businesses.
**Encourage Business Formation.** There is a continuing need for new businesses to meet changing demands resulting from population growth or evolving goods and services (video recorders, outpatient care or fast foods, for example). A new business can mean new income and employment as well as expanded trade with local businesses. It can also capture sales which might otherwise go to other communities.

Historically, communities have not done much to take advantage of this opportunity. There are a number of ways to correct this omission:

1) Form capital groups to invest private funds locally. In the beginning, entrepreneurs usually rely on their own financial resources, or that of family and friends. But they soon need more capital. Financial institutions are usually willing to provide debt capital to familiar businesses when loans can be collateralized. The problem comes with unfamiliar types of businesses, or those usually considered high risk. Having a local capital pool for debt or equity investment may provide the critical ingredient for success for such enterprises. These pools can be informal arrangements, or more formal, such as community development corporation. It is important that potential entrepreneurs know the pool exists.

2) Provide counseling and intensive education for those interested in forming new businesses. First-time entrepreneurs seldom know much about business management, marketing or business plans. Nor do they know of government regulations which would affect them. A local support structure or the Nevada Small Business Development Center can be very helpful.

3) Study the market potential for new retail, wholesale, service and industrial input-providing businesses. This points out opportunities for new local establishments. General insights can be acquired through analysis techniques such as *input-output, location quotients, population/employment ratios,* and *trade area capture.* More detailed analysis will be required to identify real opportunity in the sectors which look promising.

4) Be aware that adversity often stimulates entrepreneurship. Plant closings or lay-offs get people interested in going into business for themselves. Local leaders should be sensitive to this and encourage and support entrepreneurship at these critical times.
5) Adopt an encouraging community attitude towards entrepreneurship. Many new businesses fail after a short period of time. Highly successful small business operators have often failed once or twice before finally achieving their goals. Communities should recognize this pattern and encourage prospective business to try again.

6) Provide the same services and incentive to businesses in formation as to businesses already in existence or those being sought from outside.

**Increase Aids Received from Broader Governments.** A community may strive to get back some of the dollars taxed away by broader governmental units, and if possible, to acquire dollars taxed in wealthier areas. Not only are state and national governments major employers, but they return large quantities of funds to local governments through grants and aids. These funds do not always come by an aid formula. Often the local government must specifically request them. Social Security, Medicare and Medicaid payments are also major sources of personal income. Communities must be sensitive to all these sources of income.

Once again, there are strategies which communities can follow to attract these funds.

1) Organize education and other program efforts to assure the correct use of public assistance programs for the elderly, handicapped and others who cannot work. People do not always know what kinds of state and national financial assistance is available. Getting such assistance almost always requires some form of supportive structure.

2) Provide well-organized public transportation, meal service, outpatient health care, recreation and other services focused on the elderly. These are among the things retirees consider when choosing a place to live. Most of these activities are within the financial grasp of well-organized small communities. Such efforts go a long way toward keeping the buying power of the "silver-haired industrial base" in the community. That buying power not only includes transfer payments, but an equally large amount of dividends, interest and rent.

3) Obtain aids from broader governments whenever possible (i.e., streets, parks, sewers) by actively monitoring government programs; local officials can lend valuable support in this effort. It is almost impossible for any individual to be aware of all the programs which might
provide financial or other assistance. This is a task which can be clearly divided by a organization in cooperation with local government officials.

4) Support political activities which insure that the community's concerns get fair treatment from broader governmental units. Monitoring and positive political effort on an ongoing basis are necessary. Once again, this requires organization.

Summary

There is widespread interest in the generation and dissemination of appropriate community economic development policy at all levels. The intense interest is undoubtedly an outgrowth of the current concern for high unemployment, international competition and reduced incomes of many persons in the United States. Critical in this is the development of comprehensive policies appropriate to the changing times.

The goods-producing sector of the economy is becoming less important as a source of new jobs. The greatest increase in U.S. employment over the next few years will come through expansion of establishments already in the community, new branches of larger firms and new business starts. Small independent enterprises will generate much of the growth. Government employment, transfer payments and property income are becoming equally important as sources of family livelihood.

A comprehensive community economic development policy must consider the variable which influence employment and income: migration of employers, change in size of existing firms, births and deaths of firms, location of private expenditures, and public expenditure patterns. Communities can follow a variety of strategies to influence each of these variables. In choosing a set of strategies, communities should take their values and resources into account.

None of these strategies is a sure thing. No amount of action will guarantee growth in employment and income. Nor will a lack of action guarantee that there will be no growth. But a concentrated effort, following comprehensive community economic development policies, offers the best hope of meeting desired goals.
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