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North Dakota's Economic Base in 2013

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Acknowledgments and Disclaimers

This report is published as service to North Dakota. The data base reported here is updated annually as part of maintenance on the North Dakota Input-Output Model, and the work reported herein was not directly commissioned by any entity, organization, or agency.

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Abstract

North Dakota's economy can be measured using numerous economic variables. These variables include population, employment, personal income, per capita income, gross state product, and economic base. Economic base is defined as the value of goods and services exported from an economic unit. Economic base can also be called export base because industries (or "basic" economic sectors) earn income from outside the area. North Dakota's economic base is comprised of those activities that produce a good or service purchased by someone outside the economic unit. Economic theory suggests that these basic industries bring dollars into the economic unit and these dollars are spent and re-spent in the economy. This results in "non-basic" sectors which exist to serve and support the "basic sectors."

Information presented in this report comes from an ongoing data set used to measure North Dakota's economy. These data show the change in the size and composition of the state's economy over time. In this analysis, the level of economic activity is presented in terms of nominal (current) dollars and real (constant) dollars. Nominal dollars represent the value in terms of the purchasing power for each respective year, while constant dollars have the effects of economy-wide inflation removed. Time-series data are often presented in constant dollar values and the growth over time is termed "real" growth.

North Dakota's economy has significant growth in recent years. Since 1990, the state's economic base has grown from $13.2 billion to $45.9 billion (in constant 2013 dollar values). North Dakota's economy has typically been reliant on natural resource industries such as agriculture, coal, and oil and natural gas. These industries have provided the impetus for the recent growth in the state's economy. From 1990 to 2013, the economic base for agriculture grew from $4.9 billion to $10.1 billion (in constant 2013 dollars). This increase was the result of high agricultural commodity prices and favorable production conditions. However, the growth in the petroleum industry has outpaced agriculture. The economic base for the petroleum industry increased from $1.3 billion to $17.4 billion (in constant 2013 dollars) from 2000 to 2013. During this period, the other sectors of the North Dakota economy were also growing, but at a more moderate pace.

Much of the economic growth from the petroleum industry has been geographically concentrated, whereas, growth in the agricultural sector has been wide-spread throughout North Dakota. Economic growth by State Planning Region varies significantly across the state. In recent years, oil producing regions have experienced much faster growth in their economic base. It is possible 2013 could be a short-term peak in the North Dakota economy as agricultural and crude oil prices have been declining. Using economic base analysis to document the North Dakota economy could provide valuable insight on how the state's economy will respond to a changing economic climate.

Key Words: North Dakota, economic base, export base theory, natural resource industries, constant dollars, current dollars, commodity prices, basic sector industries

North Dakota's Economic Base in 2013

Randal C. Coon, Dean A. Bangsund, and Nancy M. Hodur*

Introduction

Documenting changes in the North Dakota economy has become important with rapid and significant growth in recent years. Identifying and quantifying changes in the state's economy can potentially provide public officials, business leaders, and economic development specialists with valuable information. Decision makers have access to numerous data sets including population, employment, labor force, wages and salaries, personal income, taxable sales and purchases, gross state product, and economic base. Each of these data sets provides a different measure of North Dakota's economy, and can be a valuable resource to those needing that specific type of information. The Department of Agribusiness and Applied Economics at North Dakota State University has used the economic base approach to estimate the state's economy since the late 1950s. This measure provides an estimate of the level of economic activity for the state and, its multi-county regions. It also has provided the framework for additional analysis including economic impact analysis, economic contribution studies, and integrated socio-economic simulation models.

North Dakota has historically had a natural-resource based economy, dependent on agriculture and energy. In the 1980s, policy makers recognized the need to diversify the state's economy to better withstand the volatility of commodity markets and weather. Agricultural commodities can be influenced by weather, political disruptions, national policies, and cyclical price movements. Petroleum products can also be affected some of the same factors as agricultural products, but also are influenced by international policies and politics (e.g., embargos, quotas, wars). Efforts to diversify the state's economy have been successful with many new rural development projects coming into existence, including agricultural processing, manufacturing, and information-based technologies. These additions to the economy were successful in producing moderate and sustained growth for many years. However, since the mid-2000s the state's economy has exhibited unprecedented growth. While all sectors of North Dakota's economy have been growing, the impetus for the rapid growth in recent years has been

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energy and agriculture. Values of crude oil and agriculture production reached their highest levels in 2013, with both industries exceeding their previous (2012) records.

The purpose of this report is to identify and evaluate the changes that have occurred in the state's economy using economic base, or export base analysis. Each of the state's basic economic industries will be identified and their respective values of exported goods and services will be estimated for the 1958 to 2013 period. Economic base data for 2013 are the most recent available. Data required to estimate each respective sector's economic base comes primarily from published information, and 2013 data are the most recent available. This data set will provide an indication of the total economic growth as well as that of each of its basic sector industries. Most of the analysis will be presented in graphs and charts in the body of this report with corresponding tables in the appendices. Graphic representation of the data provides a more easily interpreted image of how the North Dakota economy has changed in recent years. Most of the economic base analysis presented will be for the North Dakota economy, but a brief discussion of each of the State's 8 Planning Regions will also be included.

Methodology

Economic base is defined as the value of goods and services exported from an economic unit. Economic base also can be called a region's export base because industries (or "basic" sectors) earn income from outside the area. North Dakota's economic base is comprised of those activities that produce a product or service purchased by individuals, governments, and businesses located outside of the state. Dollars coming into the respective basic sectors are also termed 'sales for final demand.' Economic base and gross state product are different economic measures. Economic base estimates the dollars coming into the state in return for purchased goods and services. Although the two measures are defined differently, they follow similar time-series trends.

North Dakota's economic base is a unique data set that was developed in conjunction with the North Dakota Input-Output Model. The Input-Output Model is different from most input-output models currently in use because it was created using actual expenditures data for each of the state's economic sectors. For a complete discussion of the North Dakota Input-Output Model, see Coon et al. (1985). Economic base data provides the information necessary to validate the North Dakota Input-Output Model's interdependence coefficients, or multipliers. By

definition, the gross business volume (or total business activity) of the *Households* Sector is personal income. Comparing personal income from the Input-Output Model with published personal income (Bureau of Economic Analysis 2015) provides an indication of how well the model replicates the state's economy. Personal income estimates from the two sources track quite well for the 1958-2013 period with the Input-Output Model estimates slightly lower than the published personal income (-4.71 mean difference). Considering the changes and growth in the North Dakota economic activity, the Input-Output model and associated economic base have estimated the state's economic activity relatively accurately. Personal income estimates for 2013 from the Input-Output Model were only slightly below (-4.5 percent) published values.

North Dakota's export base, or sales for final demand, were originally defined to align with the sectors of the North Dakota Input-Output Model. The original North Dakota Input-Output model consisted of 13 sectors with 7 basic sectors, but was expanded to 17 sectors adding coal mining, coal conversion, petroleum and natural gas exploration and extraction, and petroleum refining (Hertsgaard et al. 1977). Eleven sectors of the 17-section model were basic sectors and 6 sectors were non-basic. Economic theory suggests that non-basic sectors of the economy essentially exist to serve and support the basic sectors.

Basic sectors aligned with the North Dakota Input-Output Model include: Agriculture: Livestock; Agriculture: Crops; Construction; Agricultural Processing and Miscellaneous Manufacturing; Retail Trade; Business and Personal Services; Households; Coal Mining; Coal Conversion; Petroleum and Natural Gas Exploration and Extraction; and Petroleum Refining. A detailed discussion of each of the basic sectors, or sales for final demand, was included in the previous version of this analysis (Coon et al. 2014) and will not be repeated in this report. Data used to estimate the economic base were obtained from a wide variety of sources. For a description of data sources and methodology, see Hertsgaard et al. (1977), Coon and Leistritz (2000), and Coon and Leistritz (2001). Sales for final demand sectors (i.e., basic sectors) are defined to correspond with the sectors of the North Dakota Input-Output Model. Dollars coming into the state were allocated to sectors where the multipliers would most closely approximate how they would work their way through the economy (i.e., "turn over"). For example, CRP payments were assigned to the *Households* Sector because these dollars would work their way through the economy more like a transfer payment than crops revenue used to purchase inputs for those acres. Applying the sales to final demand to the model's multipliers (interdependence coefficients) results in gross business volumes (levels of business activity) for each sector. Gross

business volume of the *Households* Sector is defined as personal income, and can be used to validate the Input-Output Model.

North Dakota's sales for final demand can be reconfigured into more readily understandable industrial classifications. Total economic base for the two different category classifications is identical. The 11 basic sectors can be realigned into 7 industrial classifications. Industrial classifications include: *Agriculture* (livestock and crop sales, federal farm program payments), *Federal Activities (*intergovernmental transfers to households, federal construction, federal payrolls), *Tourism* (purchases in the retail trade and service sectors by out-of-state visitors), *Coal* (mining and electricity production), *Petroleum* (oil and gas production, gas processing, crude oil refining), *Manufacturing* (farm equipment, construction equipment, energy equipment, industrial and consumer food-grade products, and renewable energy), and *Exported Services* (telemarketing, data processing, reservation centers, bank service centers, and software service centers). These industrial categories represent alignments based on the activities generating the sales for final demand rather than on the allocation of those values to input-output model sectors.

A number of adjustments are required to convert economic sector estimates into industrial categories. For example, petroleum lease/bonus payments would no longer be a part of the *Households* Sectors but would instead be included with *Petroleum and Natural Gas Exploration/Extraction and Refining* Sector. *Retail Trade* and *Business and Personal Services* Sectors (estimated by dividing up tourism expenditures) were combined to produce the tourism industry. Exported services, which were included with the *Business and Personal Services* Sector, are presented as a separate industry. Federal payments would include federal expenditures for construction projects in the state, wages and salaries for federal workers, transfer payments, and Conservation Reserve Program payments. This alignment of the economic base provides perhaps the most useful groupings to aid decision makers and the general public in understanding of the composition of the state's economy.

Time series dollar-value data sets can be expressed in terms of either current-year ("nominal") or constant ("real") dollars. Nominal dollars represent the value in terms of the purchasing power of that dollar for each respective year. Constant dollars have the effects of economy-wide inflation removed, and each year's dollars are expressed with respect to a base year's purchasing power. Economists typically show growth for time-series dollars in terms of

constant (or base) values, therefore, growth over time is "real" growth. For example, the total economic base for North Dakota in 1958 was $970.0 million current year dollars, but when converted to a 2013 base constant dollar value, the constant dollar amount was $6,139.2 million. For this analysis the Gross Domestic Product Implicit Price Deflator Index (Bureau of Economic Analysis 2014) was used to convert current to constant 2013 base dollars (Appendix A, Table 1). Figure 1 presents North Dakota's total economic base in both current (nominal) and constant (real) dollars. Although the long-term graphic of current and constant dollars does not appear to be a great difference, the numeric example for 1958 puts the dollar value difference into perspective. With inflation the dollar has less purchasing power over time, so in terms of the 2013 dollar it would have taken more of those 2013 dollars to have the same purchasing power as the 1958 dollar. Any year in the data set could be used as the base year, but for this analysis the most recent year data were available for was selected to be the base year.

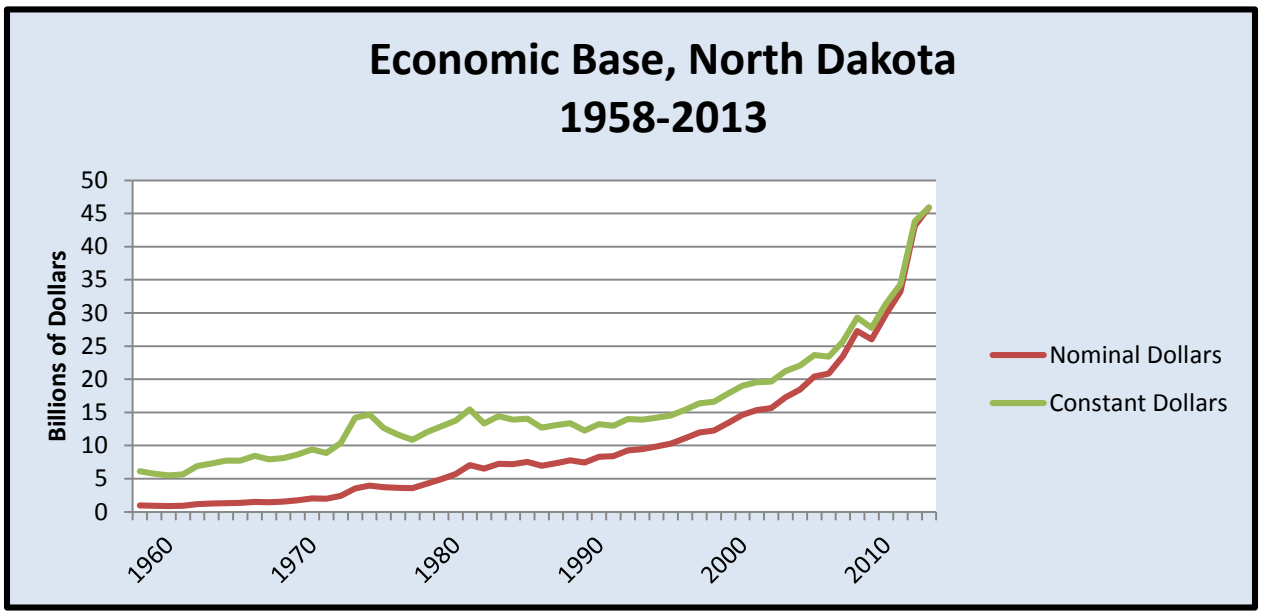

Figure 1. North Dakota Total Economic Base in Nominal and Constant Dollars, 1958-2013.

North Dakota's Economic Base

North Dakota's economic base has grown significantly over the period (1958-2013) the data base has been compiled. Appendix B, Table 1 presents the economic base by input-output model sector for the state in nominal dollars. Gross Domestic Product Implicit Price Deflators (Appendix A, Table 1) were used to convert the current dollar values to constant, or real dollar values. Table 1 presents the current and constant dollar total economic base for North Dakota for the 1958 to 2013 period. Economists typically show economic growth for a time series in terms

of constant dollars, so the remainder of this section will focus on the state's economic growth in real terms.

North Dakota's economic base in 2013 is nearly 7 ½ times the size it was in 1958 (Figure 2). The state's economy has traditionally been based on its natural resources (agriculture and energy), which has resulted in varying growth rates. Figure 3 presents the percentage change in the state's economic base from one year to the next in constant dollars. Annual change has been variable with growth up to 36.7 percent and declines of 13.7 percent. Since 1990, only 2009 experienced a year-to-year decline greater than 2 percent. The 5.3 percent decline from 2008 to 2009 occurred during a time of a strong recession in the United States and the world. A world wheat shortage led to the value of crop sales nearly doubling from 1972 to 1973, driving the state's economic base to have the largest annual change (36.7 percent increase) of any year over the 1959 to 2013 period. The second largest increase was from 2011 to 2012 (27.7 percent), with rapid development of the Bakken Formation oil reserves. Growth in the state's economic base has been unprecedented in the past decade, with it more than doubling since 2004.

Table 1. North Dakota's Total Economic Base, Current and Constant 2013 Dollar Values, 1958-2013					
Year	Current $	Constant $	Year	Current $	Constant $
	----------million $ ----------			----------million $ ----------	
1958	970.0	6,139.2	1986	6,963.3	12,695.2
1959	931.7	5,758.3	1987	7,363.9	13,093.7
1960	900.9	5,489.9	1988	7,781.4	13,367.8
1961	942.2	5,675.9	1989	7,418.9	12,268.7
1962	1,161.2	6,916.0	1990	8,305.3	13,241.9
1963	1,241.4	7,306.7	1991	8,421.6	12,996.3
1964	1,333.3	7,733.8	1992	9,275.9	13,997.1
1965	1,359.7	7,743.2	1993	9,444.6	13,917.8
1966	1,526.4	8,451.8	1994	9,853.6	14,218.8
1967	1,472.2	7,919.3	1995	10,273.9	14,521.4
1968	1,567.7	8,093.4	1996	11,107.2	15,420.2
1969	1,761.8	8,670.3	1997	11,987.5	16,360.7
1970	2,018.1	9,430.4	1998	12,285.5	16,588.6
1971	2,001.1	8,901.7	1999	13,424.3	17,870.5
1972	2,434.5	10,377.2	2000	14,628.2	19,039.7
1973	3,509.8	14,186.7	2001	15,352.8	19,535.3
1974	3,953.5	14,669.8	2002	15,667.4	19,635.8
1975	3,732.0	12,668.0	2003	17,284.0	21,236.0
1976	3,618.8	11,647.2	2004	18,452.0	22,066.5
1977	3,585.5	10,865.2	2005	20,406.0	23,645.4
1978	4,250.6	12,037.9	2006	20,843.2	23,429.9
1979	4,920.3	12,870.3	2007	23,466.7	25,697.2
1980	5,706.5	13,750.6	2008	27,294.0	29,316.9
1981	7,039.2	15,447.0	2009	26,039.2	27,754.4
1982	6,512.5	13,334.4	2010	29,837.4	31,424.3
1983	7,253.7	14,420.9	2011	33,228.3	34,319.7
1984	7,210.8	13,909.7	2012	43,163.5	43,816.4
1985	7,545.6	14,035.7	2013	45,898.9	45,898.9

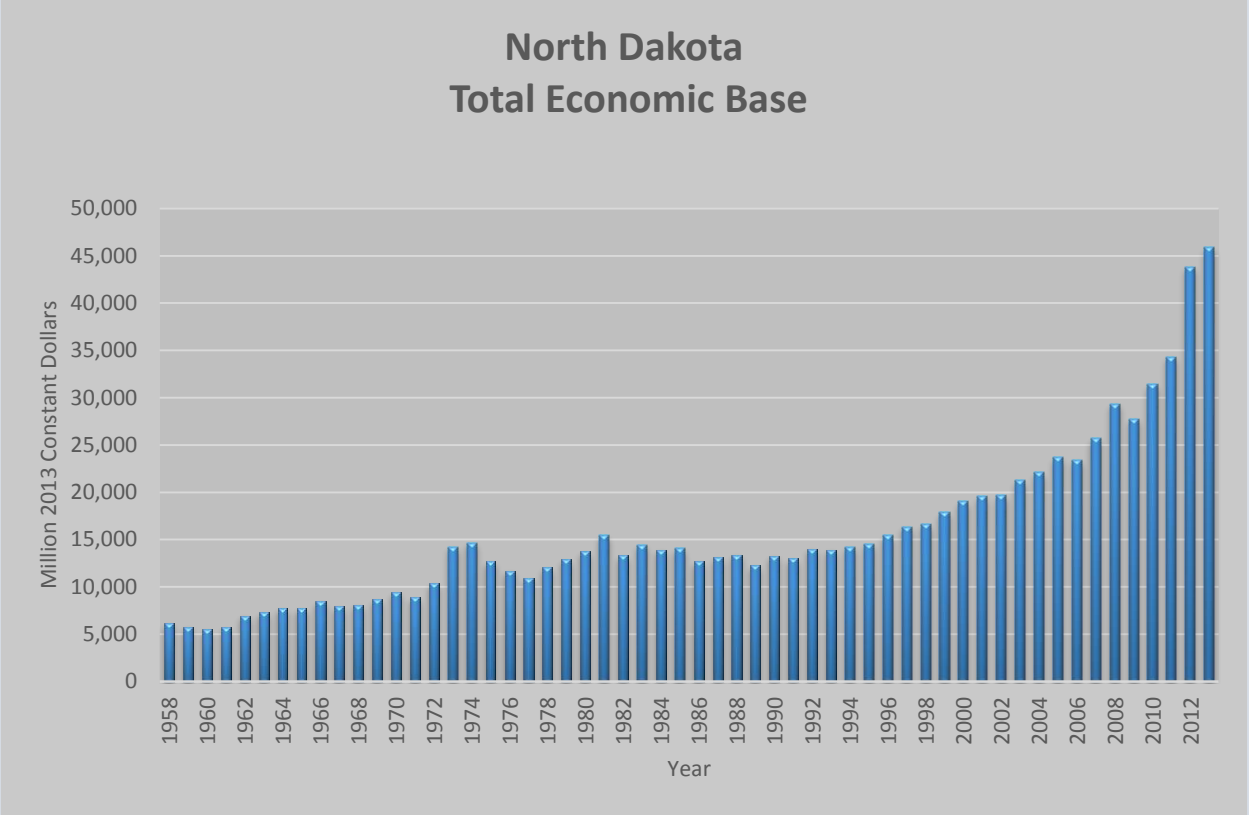

Figure 2. North Dakota's Annual Total Economic Base in Constant Dollars, 1958-2013.

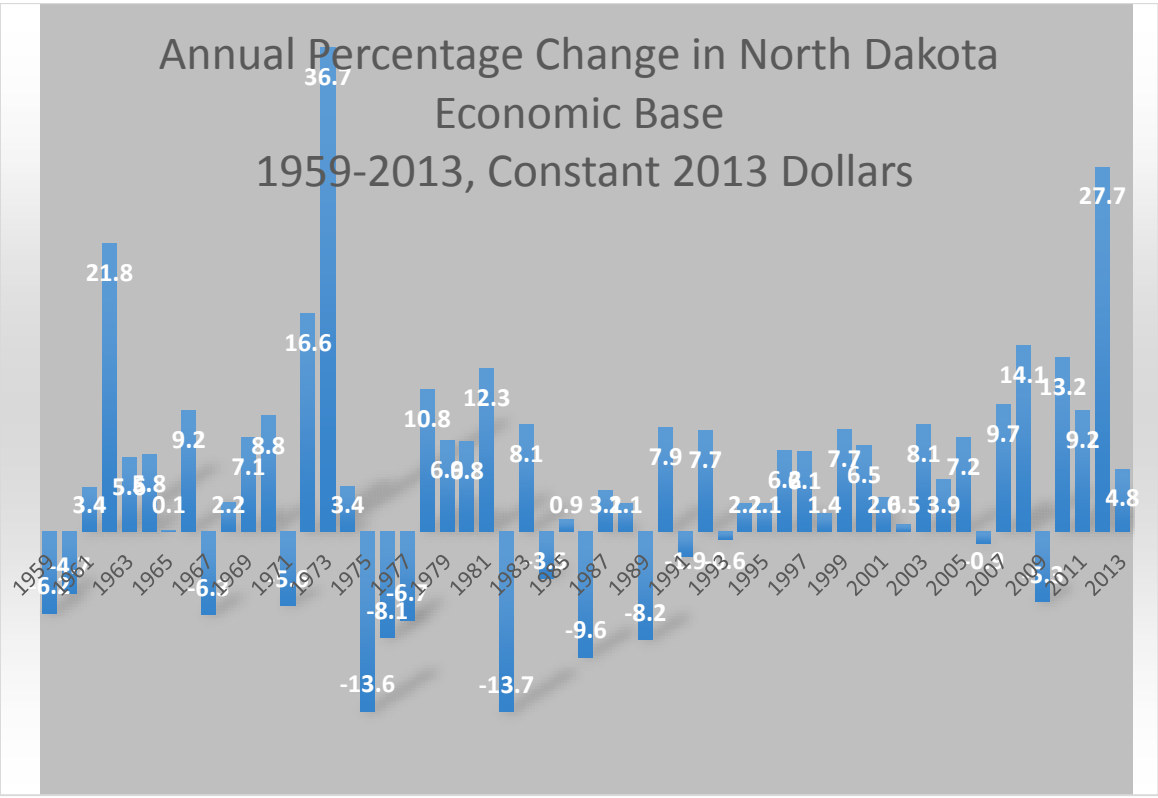

Figure 3. Annual Percentage Change in North Dakota's Economic Base, 1959-2013.

Economic Sectors

North Dakota's economic base has grown from $13.2 billion in 1990 to $45.9 billion in 2013 in constant dollars (Table 2). All sectors of the economy have grown during this period, but the natural resource-based sectors (agriculture, coal mining and conversion, and petroleum exploration, extraction, and refining) have experienced the largest gains. The state economic base grew by $5.8 billion from 1990 to 2000, by $12.4 billion from 2006 to 2010, but grew by $14.5 billion for the 3-year period 2010 to 2013. Clearly, the expansion of the state's economy in recent years has outpaced that of any prior period. During this economic expansion agriculture has transitioned into more profitable crops such as corn and soybeans. Prices for these crops rose to record levels in recent years with commodity prices reaching a peak in 2012 and declined in 2013. Oil production in the state has increased with the development of the Bakken Formation, approaching one million barrels per day in 2013. During this time of increased oil production, crude oil reached record levels during the 2007-2011 period, and have declined only slightly in 2012 and 2013. Economic base measures the value of the exports from an economic unit (state or state planning region). Higher-valued crop production and increased output of high-valued oil, two industries that export a large portion of their production, have provided the impetus for strong growth in North Dakota's economic base.

Table 2. North Dakota's Economic Base by Economic Sector[1], Constant 2013 Dollar Values, Selected Years 1990 to 2013

Sector	1990	2000	2010	2011	2012	2013
	----------million $ ----------					
Agriculture	4,915.2	5,023.5	8,176.8	8,053.9	9,992.1	10,054.2
Construction	159.7	272.2	444.4	412.8	345.9	318.2
Ag Proc & Misc Mfg	1,113.9	1,884.2	2,348.4	2,496.1	2,854.3	2,897.4
Retail Trade	419.2	2,762.3	3,648.0	3,720.0	3,842.7	3,831.0
Bus & Pers Services	139.7	1,417.4	2,497.4	2,527.7	2,651.9	2,696.8
Households	4,634.1	5,302.4	9,269.8	9,881.5	10,427.1	10,113.7
Coal Mining and Conv	1,093.4	1,382.8	1,740.9	1,759.7	1,761.1	1,664.8
Petroleum Exp/Ext/Ref	766.7	994.9	3,298.6	5,468.0	11,941.3	14,322.8
TOTAL	13,241.9	19,039.7	31,424.3	34,319.7	43,816.4	45,898.9

[1]Agriculture: Livestock and Agriculture: Crops were combined into Agriculture, Coal Mining and Coal Conversion were combined, and Petroleum Exploration/Extraction and Petroleum Refining were combined.

All sectors of the North Dakota economy have grown, not just the natural resource-based sectors. Figure 4 presents the relationships of the individual economic sectors that comprise the state's total economic base for 1990, 2000, 2010-2013. Data for each individual year of the historical period (1958-2013) are presented in Appendix B, Table 1. (A sector's portion of the total economic base for any respective year is the same regardless of whether it is expressed in current or constant dollars.) While all of the state's basic economic sectors have grown during the 1990 to 2013 period, petroleum exploration and extraction and refining and agriculture have led the way since 2000. Rapid growth in the oil sectors has most noticeably occurred since 2010. Growth in agriculture from 2012 to 2013 was 0.6 percent with crop prices starting to decline from 2012 levels. During this same year the oil sectors grew by 19.9 percent with increased production and relatively high and stable prices. The net result was a state economy that grew by 4.8 percent from 2012 to 2013. Although the state's economic growth was good compared to states nation-wide, it was the smallest annual growth rate since 2010.

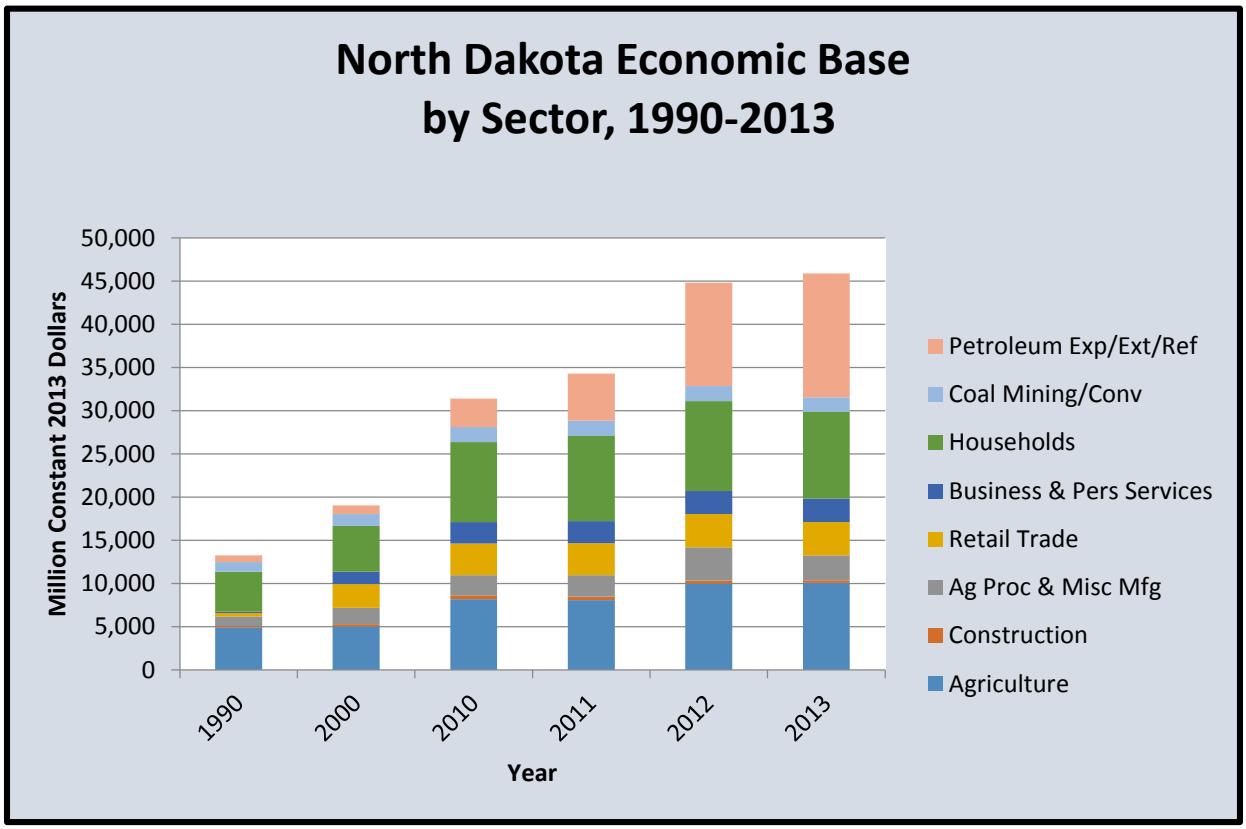

Figure 4. Composition of North Dakota's Economic Base by Sector, Constant Dollars, Selected Years 1990-2013

Industrial Categories

When analyzing North Dakota's economic base, it is sometimes more meaningful to realign the values of the North Dakota Input-Output Model's economic sectors into industrial categories. Industrial categories represent alignments based on the activities generating the sales to final demand rather than on the allocation of those values to input-output sectors. Converting the North Dakota Input-Output Model economic base to industrial categories does not change the total, but allocates the dollars coming into the state for goods and services to seven industrial categories. Input-Output Model sectors are useful for economic analysis, whereas, the industrial categories are more meaningful to the general public.

North Dakota's economic base declined to match the North Dakota Input-Output Model sectors has previously been presented (Figure 4). Figure 5 presents the same data, but realigned into 7 industrial categories. These two graphs present the same total economic base but with the components defined differently. While "agriculture" in North Dakota has grown from $5.0 billion in 2000 to $10.1 billion in 2013, its share of the state total economic base declined from

26.4 percent to 21.9 percent for that period. The petroleum exploration/extraction refining industrial category grew from $1.3 billion in 2000 to $17.4 billion in 2013, increasing its share of the total from 6.9 percent in 2000 to 38.0 percent in 2013. While all industrial categories grew from 2000 to 2013, the rapid expansions of the oil industry resulted in all other industrial categories having a smaller share of the state's total economic base.

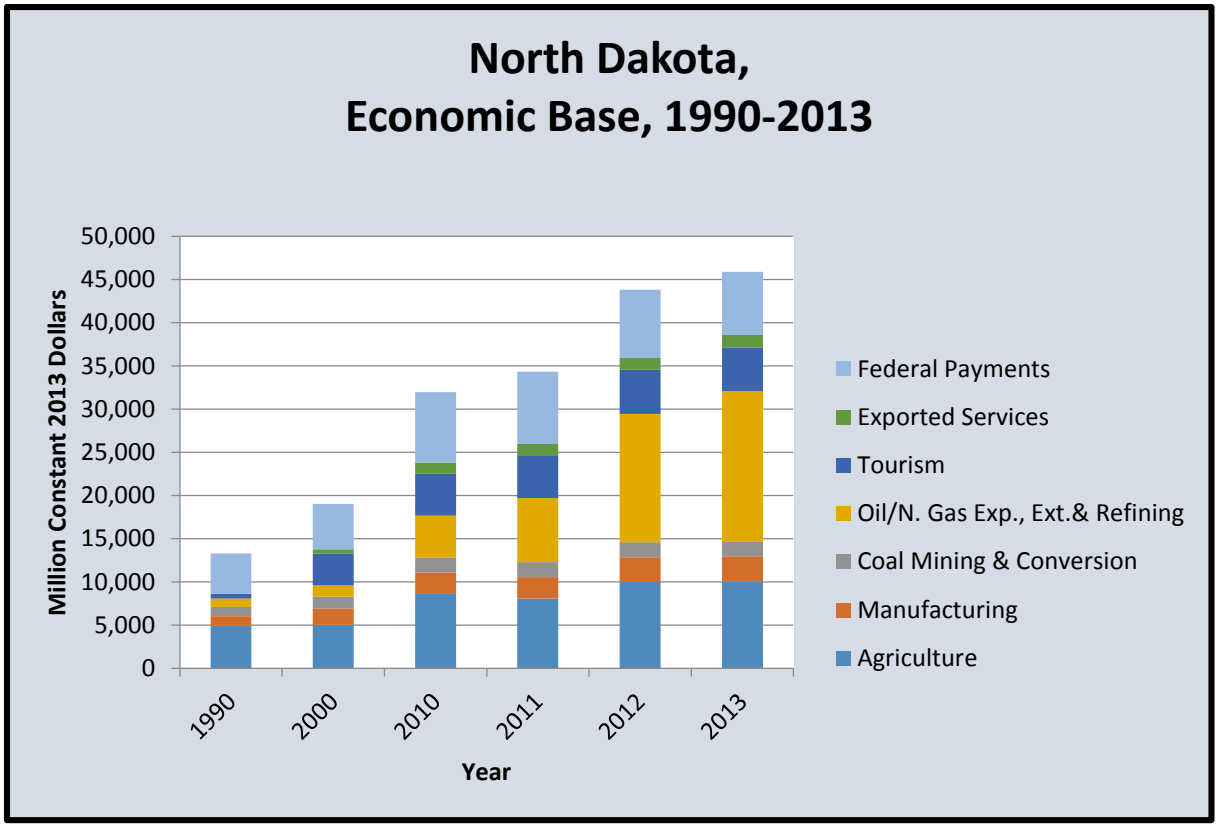

Figure 5. Composition of North Dakota's Economic Base by Industrial Category, Selected Years 1990-2013.

Figures 6 through 8 present North Dakota's economic base by industrial category for 2000, 2010, and 2013, respectively. As previously stated, all components of North Dakota's economic base have grown from 2000 to 2013, but the relative composition has changed dramatically with the "oil boom" associated with the development of the Bakken formation.

Agriculture comprised 26 percent of the state's economic base in 2000 and 2010, but declined to 22 percent by 2013. Federal government payments (construction, wages and salaries, programs, and transfer payments were 28 percent of the economic base in 2000, 26 percent in 2010, and fell to 16 percent by 2013. Tourism also experienced a reduced share of the economic

base, going from 19 percent of the total in 2000, to 16 percent in 2010, and 11 percent in 2013. The manufacturing category decreased from 10 percent of the total in 2000 to 7 percent in 2010, and 6 percent in 2013. Coal mining and conversion comprised 7 percent of the state's economic base in 2000, declined slightly to 6 percent in 2010, and accounted for 4 percent in 2013. Exported services remained relatively constant throughout the 2000 to 2013 period, comprising 3 to 4 percent range of total economic base for North Dakota. During the 2000 to 2013 period, the oil complex made significant growth to the point of reducing all other industrial categories share of the state's economic base. In order to accomplish this, the Petroleum Exploration/Extraction/ Refining category grew from 7 percent of the state's economic base in 2000 to 15 percent in 2010, and continued to dominate the economy by reaching 38 percent in 2013. From 2010 to 2013, the oil industries increased their share of North Dakota's economic base from 15 percent to 38 percent, a 23 percent increase. This increase was driven by strong crude oil prices and increasing oil production. During this period, North Dakota's total economic base grew from $31.4 billion to $45.9 billion, a 46.1 percent increase. This unprecedented economic growth was driven by oil, but all other sectors of the economy were also contributing to the state's economic expansion.

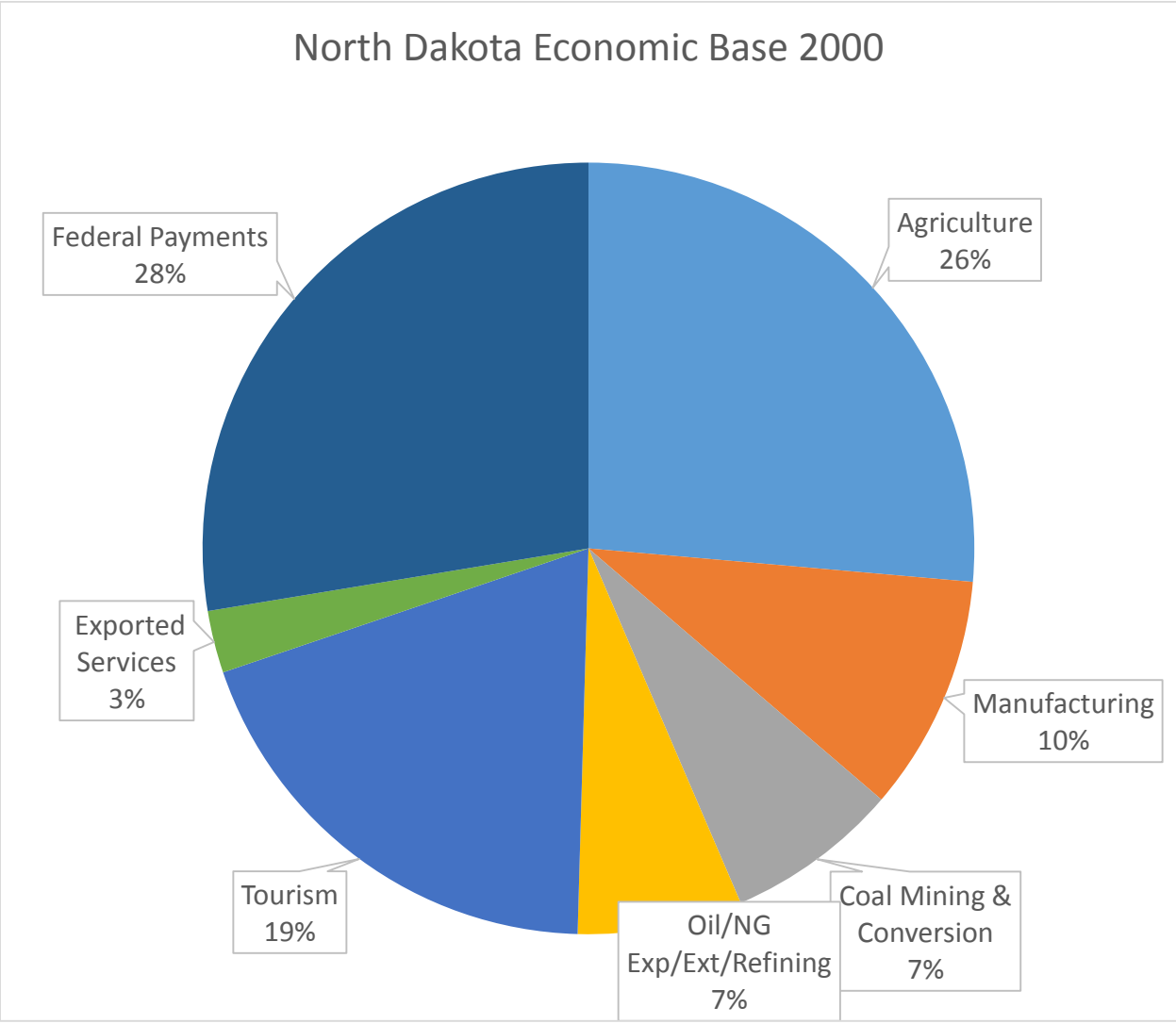

Figure 6. Composition of North Dakota's Economic Base, by Industrial Categories, 2000.

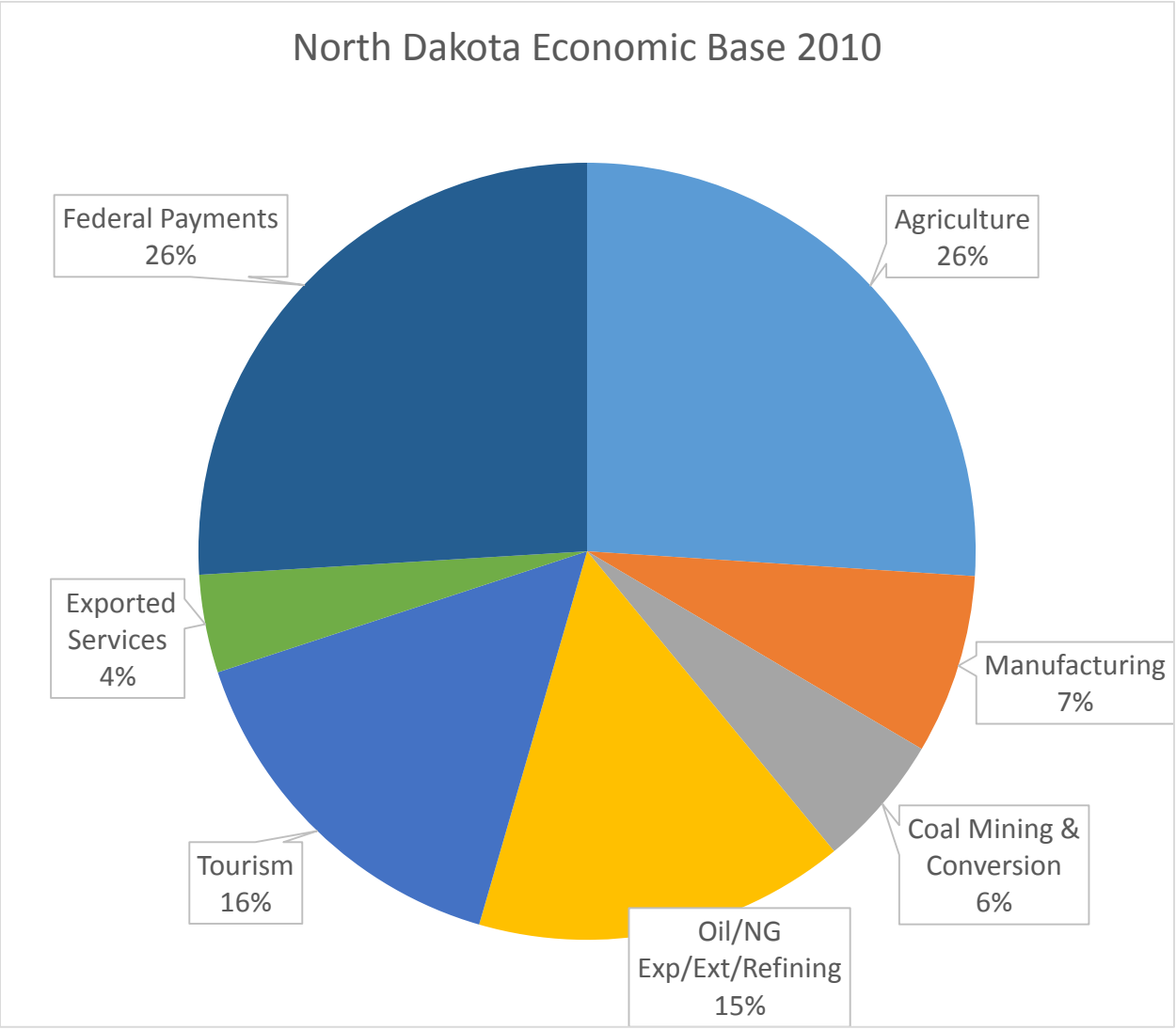

Figure 7. Composition of North Dakota's Economic Base, by Industrial Category, 2010.

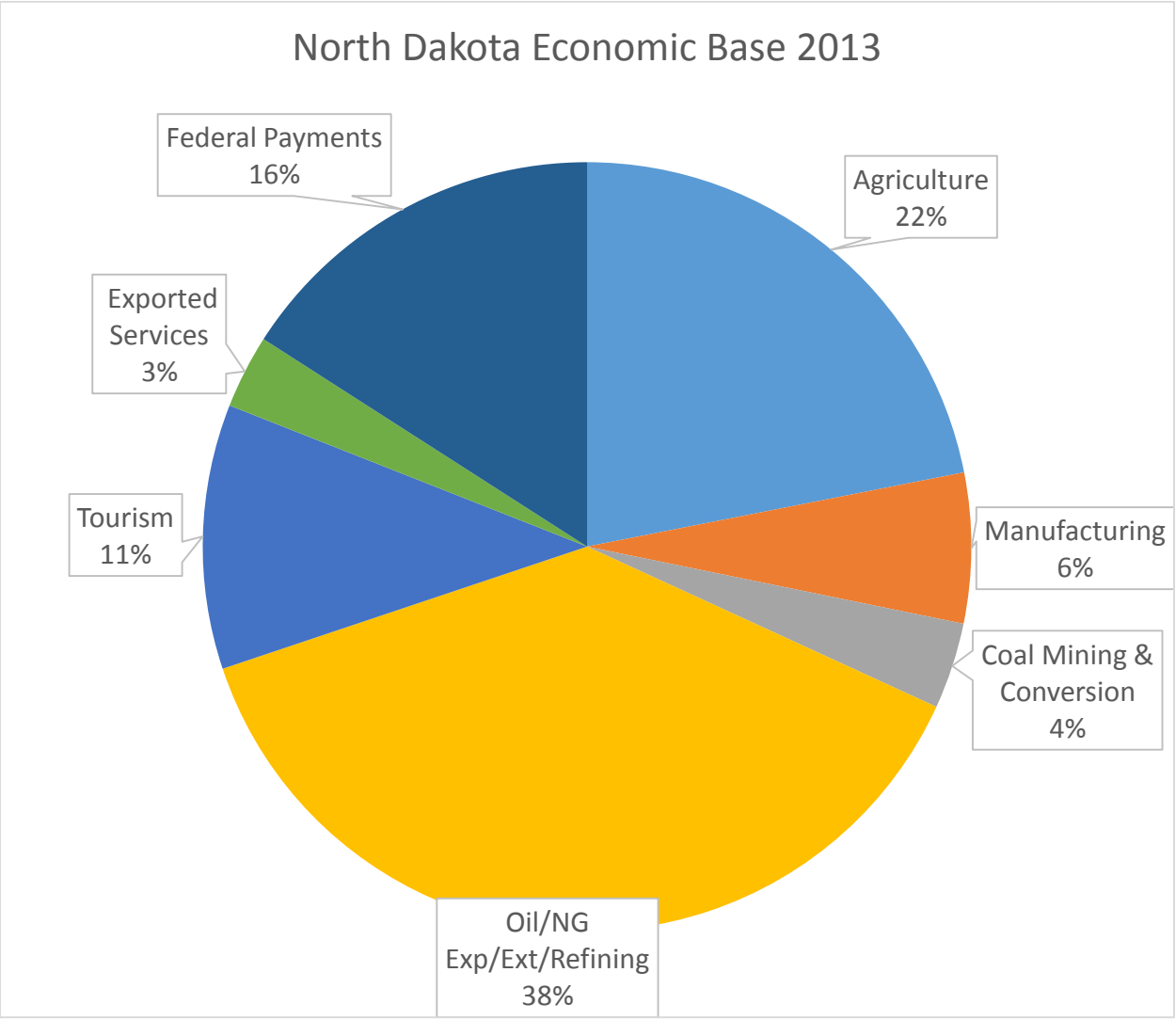

Figure 8. Composition of North Dakota's Economic Base, by Industrial Category, 2013.

While growth in agriculture and energy has fueled North Dakota's economic expansion, the state's economy is more dependent on natural resource-based activities than it has been in the past. Efforts to diversify the state's economy begin in 1970s, with efforts to expand agricultural processing, manufacturing, and exported services. In 2000, 40.6 percent of North Dakota's economic base was derived from natural resource-based industries. This relationship has increased to 47 percent in 2010, 50.1 percent in 2011, 60.7 percent in 2012, and 63.5 percent in 2013. Events that cannot be controlled (i.e., weather, politics, economies) have provided a favorable environment for the state's economic growth, and can be subject to change at any time. Declining grain prices and crude oil prices in the last months of 2014 and early 2015 could have a significant effect on the state's economy. Data for estimating the 2014 economic base will not be available until the third quarter of 2015, but could provide some indication how dependent the North Dakota economy is on its natural resource-based industries.

State Planning Region Economic Base

The economic base was also estimated for each of the 8 North Dakota Planning Regions. Data used to estimate the state's economic base were also used for the regional estimates. Some state-level sector estimates were determined by summing county data, so each state region's economic base for those sectors was obtained by summing data for each region's respective counties. Data for other sectors were available only at the state-level, so these sectors were estimated by disaggregating state totals to the respective regions. Data presented for the State Regions will only be in terms of constant 2013 dollars.

A brief discussion of each of the 8 State Region's economic base will be presented. Accompanying the discussion will be a graphic representation: a graph showing the annual total economic base; and, a chart showing the composition of each regions total economic base by industrial category. Appendix B, Tables 2-9 present the economic base in current year's dollars for sectors corresponding to those used in the North Dakota Input-Output Model for State Regions 1-8, respectively. Total economic base was delineated into industrial categories to show the composition for each of the State Regions (Appendix C, Tables 2-9). Composition of the economic base for each of the 8 State Regions shows how the local economies differ. Typically, a state region will have one or two dominant industries, with other regions being more diversified.

The economic base for each of the 8 State Regions has grown during the 1990 to 2013 period (Table 3). Although each state region's economic base has grown, the difference between the regions is very significant. In 1990 and 2000 State Region 7 and State Region 5 had the largest economic base of all the regions. However, in 2010 this changed and State Region 2 became the leader, and by 2013 State Region 1 had the largest economic base ($15.3 billion) among all the regions in North Dakota. Rapid oil development in State Region 1 and State Region 2 have led to their dramatic increase in economic base, and in 2013 these regions had the largest and second largest, respectively, in North Dakota. The western regions (State Region 1, 2, 7, and 8) have energy resources and development, which has resulted in their having the 4 largest economies among all state regions. Of the 4 non-energy producing state regions, State Region 5 has shown the most growth with the Fargo wholesale-retail trade center adding economic growth in that region.

Table 3. Economic Base for North Dakota's Eight State Planning Regions, Constant 2013 Dollars, Selected Years 1990-2013				
State Region	1990	2000	2010	2013
	- - - - - - - - - - - - - - million 2013 $ - - - - - - - - - - - - - - -			
SR1	1,124.5	1,190.7	3,591.2	15,300.1
SR2	2,038.7	2,711.3	9,032.6	13,291.5
SR3	1,056.5	1,311.8	2,234.8	2,364.5
SR4	1,892.2	2,711.5	3,752.3	3,880.9
SR5	2,117.2	3,368.8	5,162.8	5,525.5
SR6	1,600.8	2,106.1	3,364.9	3,785.1
SR7	3,466.9	4,896.8	7,329.5	8,681.5
SR8	1,103.2	1,724.7	4,235.0	8,169.1

The economic base of State Region 1 has grown significantly during the 1958-2013 period, with much of this growth occurring since 2010 (Figure 9). Development of oil reserves in the Bakken formation has been the driving force behind this rapid increase in economic base. This Region has grown from the state's second smallest economic base in 1990 to the largest in 2013. During the 1990 to 2013 period all the sectors of State Region 1 were growing, but the petroleum/natural gas exploration and extraction sector dominated this Region's economy (Figure 10). In 1990, the oil sector accounted for 62.5 percent of the Region's economic base with that relationship increasing to 92.9 percent by 2013. No other state region has a single industry that dominates its economic base to that extent. The economic base of State Region 1 increased by 85.6 percent from 2010 to 2011, 76.4 percent from 2011 to 2012, and 30.2 percent from 2012 to 2013. This economic growth highlights the difficulties this part of the state is having coping with rapid expansion of the oil and gas industry as other parts of the economy must also expand to serve and support that industry. The economic base for State Region 2 has followed a pattern similar to State Region 1. Growth in this region's economic base has been very rapid since 2007 (Figure 11). State Region 2 had the largest economic base of any region in 2012, but was replaced by State Region 1 in 2013. In recent years, the economic base for State Region 1 and State Region 2 have been significantly larger than those for the other state regions. The economic base for State Region 2 is also dominated by the oil industry, accounting for 69.4 percent in 2013. State Region 2's economic base is more diversified than State Region 1, as the city of Minot serves as a wholesale/retail trade center and is home to a U.S. Air Force Base, and agriculture plays a larger role (9.1 percent of total) in the region's economic base (Figure 12).

State Region 2's economic base has grown with the development of the area's oil reserves as the Minot Trade Center has provided businesses to serve and support the oil industry and to a degree housing and services for workers in the oil industry. The future growth of the economies of State Region 1 and State Region 2 are closely tied to the development of the natural resources in that area.

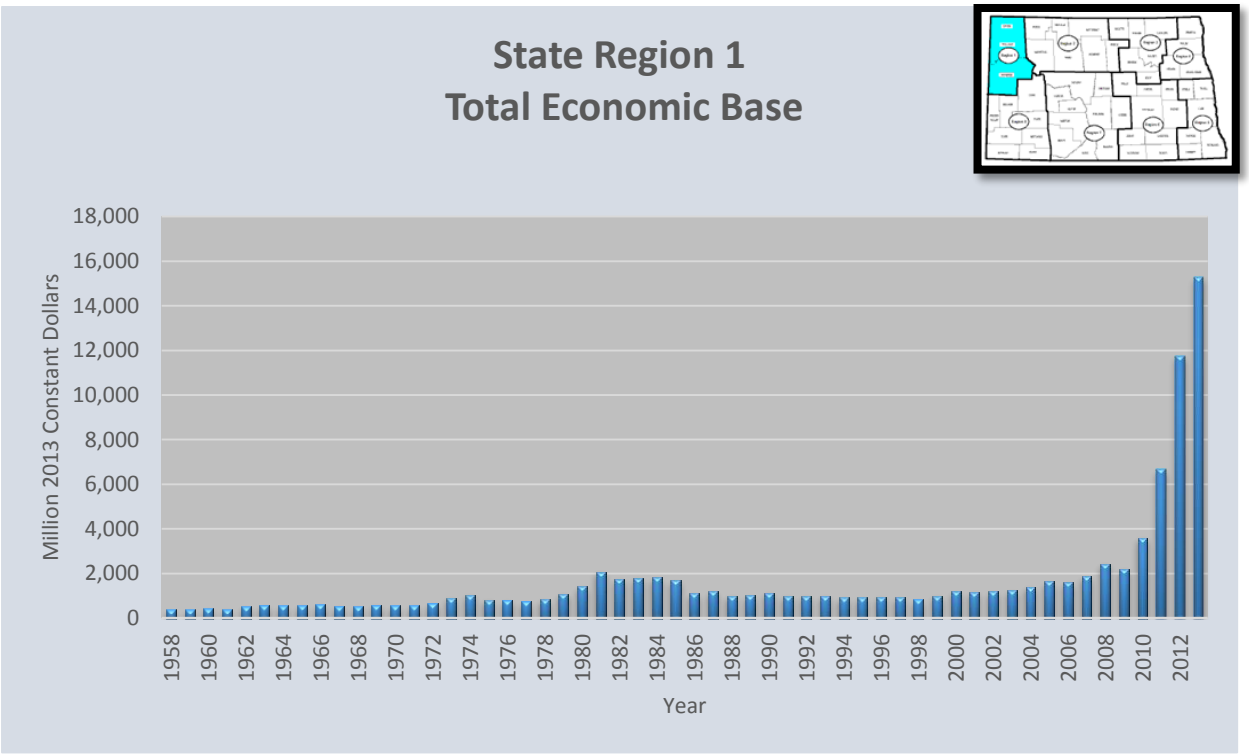

Figure 9. North Dakota State Planning Region 1 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

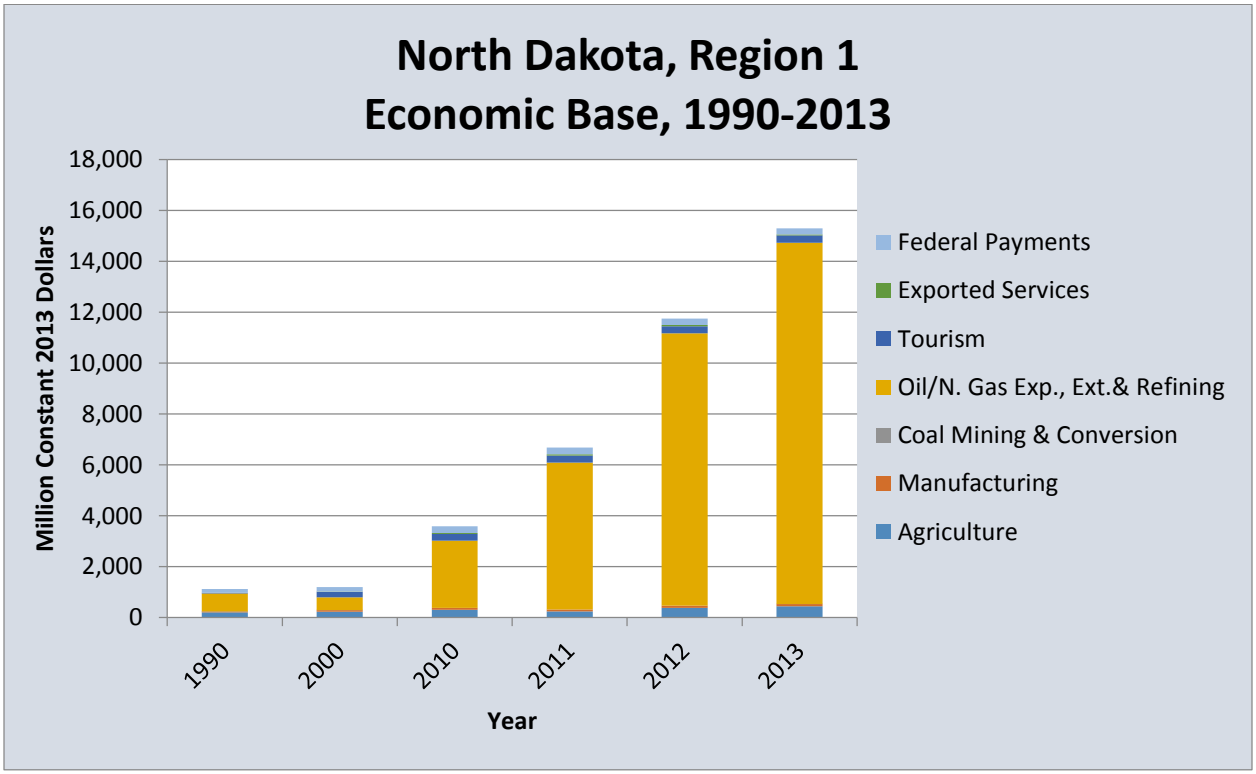

Figure 10. Composition of North Dakota State Planning Region 1 Economic Base, by Industrial Categories, Selected Years 1990-2013.

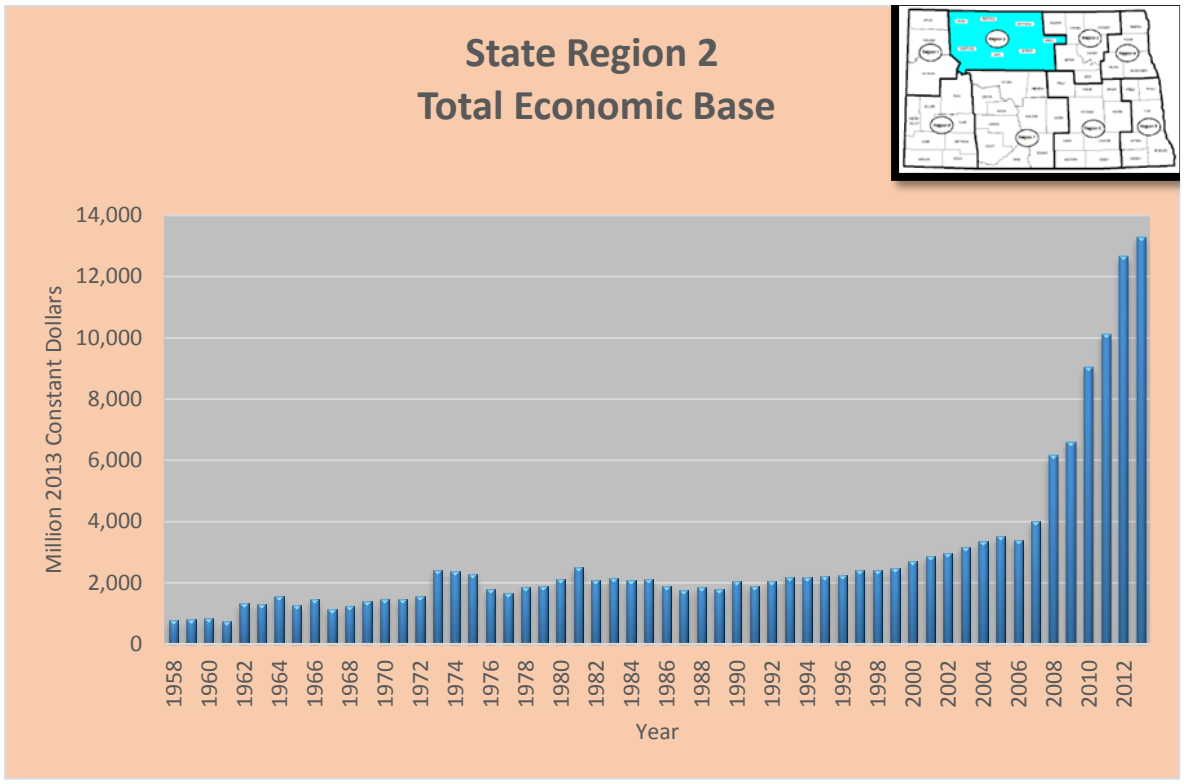

Figure 11. North Dakota State Planning Region 2 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

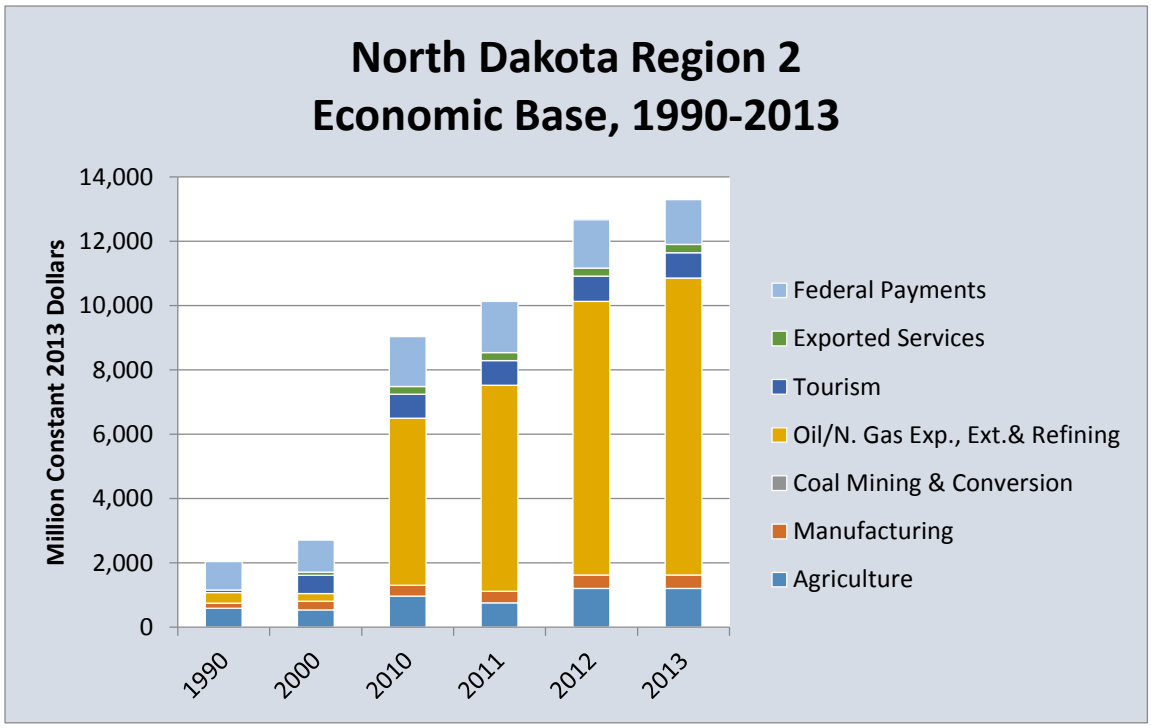

Figure 12. Composition of North Dakota State planning Region 2 Economic Base, by Industrial Category, Selected Years 1990-2013.

State Region 3's economic base has grown at a relatively steady pace with year to year increases showing variations corresponding to good agricultural years (Figure 13). There is no energy development in this region so growth has been modest but steady. Agriculture comprises the largest share of the economic base (43.3 percent in 2013) followed by federal government payments (31.7 percent in 2013) (Figure 14). State Region 4 has a diversified economy that has experienced steady but modest growth similar to State Region 3 (Figure 15). Federal activities have made up the largest share of the economic base (36.9 percent) followed by agriculture (30.5 percent) in 2013 (Figure 16). This region is home to the Grand Forks Air Force Base which explains why federal activities sector is the largest in the region economy. Agriculture has a strong presence in this region with production of many high-value crops such as potatoes and sugarbeets. Economic base growth in State Region 4 is similar to that of other non-energy producing areas, with moderate and steady growth.

Annual total economic base for State Region 5 looks very similar to the other non-energy producing regions, but is much larger (Figure 17). State Region 5 had the largest economic base of any non-energy influenced region in 2013 ($5.5 billion). State Region 5 has a diversified economy, led by agriculture with 34.5 percent of the total (Figure 18). All five industrial categories contribute to the economic base including exported services, a relatively new industry in the state. Exported services (telemarketing, data processing, reservation centers) are an outgrowth of the state's initiative to diversify the economy and was added to the economic base data set in 2000. Fargo is a major wholesale/retail trade center that serves areas outside of State Region 5. State Region 6 is also a non-energy producing region, so the annual total economic base looks very similar to State Regions 3, 4, and 5. The economic base for State Region 6 has grown at a steady but moderate rate (Figure 19). Total economic base for State Region 6 ($3.8 billion) was very similar to State Region 4 ($3.9 billion) in 2013. Agriculture comprises the largest share of State Region 6's economic base (53.8 percent), followed by tourism (19.3 percent) and federal activities (17.5 percent) in 2013 (Figure 20). State Region 6 does not have oil or coal resources, but does produce a significant amount of wind-generated electricity.

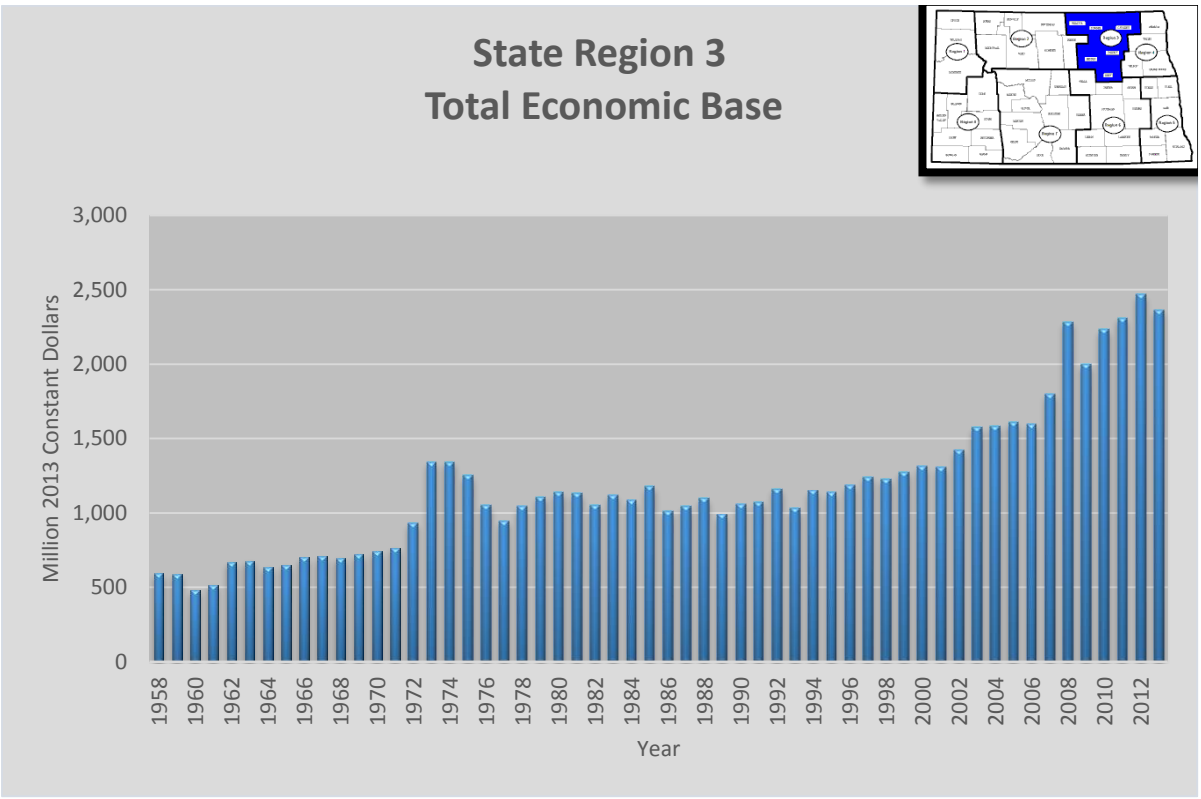

Figure 13. North Dakota State Planning Region 3 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

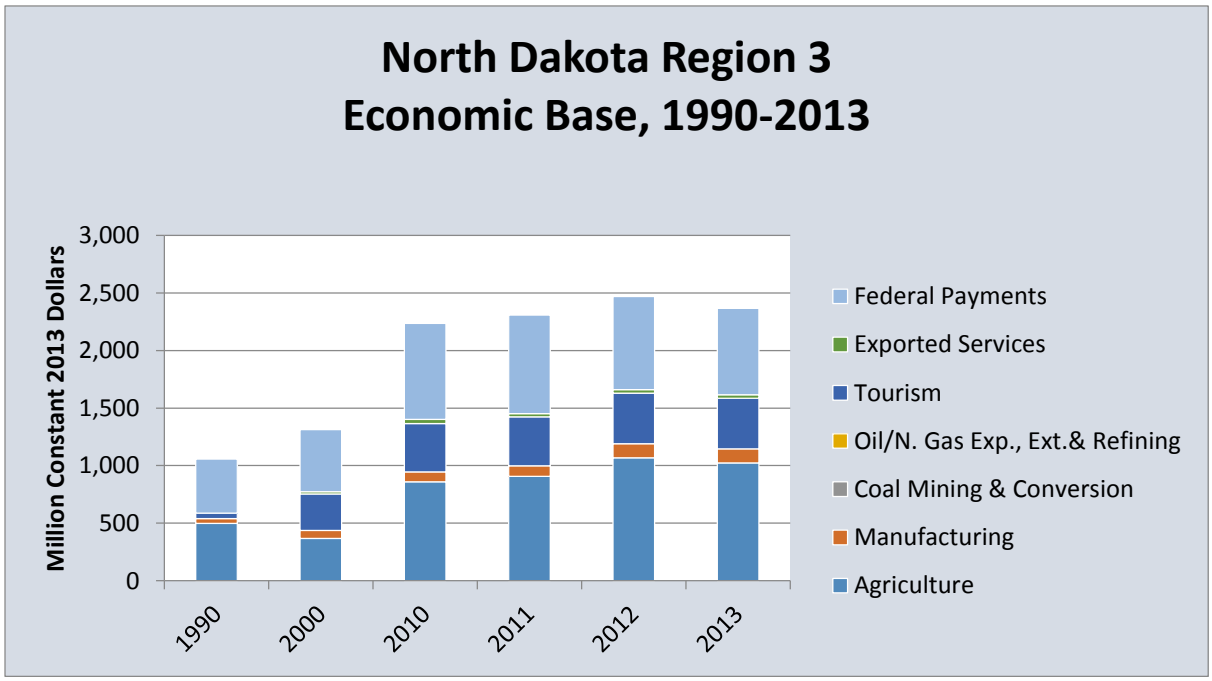

Figure 14. Composition of North Dakota State Planning Region 3 Economic Base, By Industrial Categories, Selected Years 1990-2013.

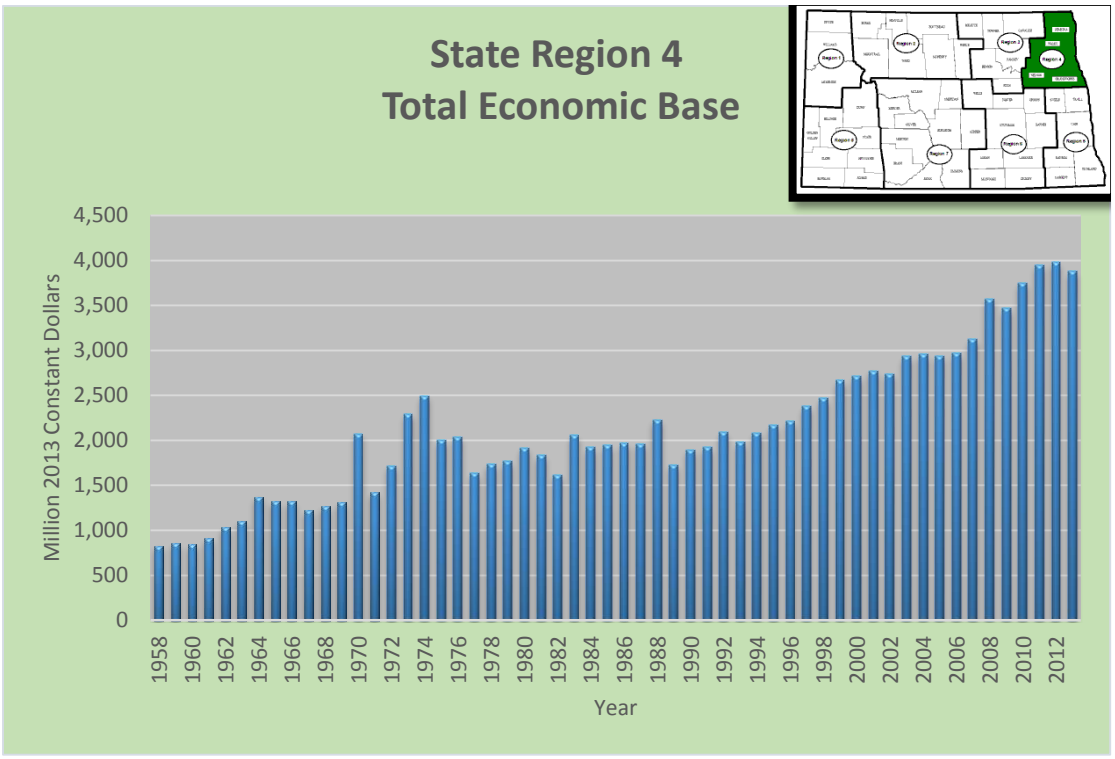

Figure 15. North Dakota State Planning Region 4 Annual Total Economic Base In Constant 2013 Dollars, 1958-2013.

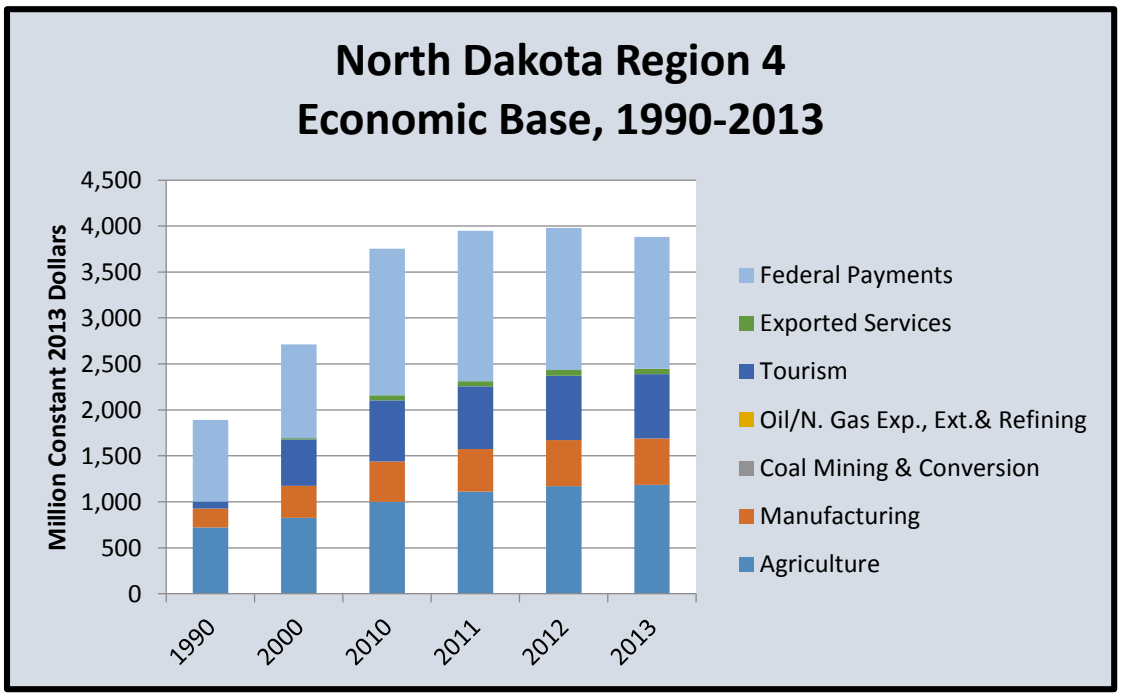

Figure 16. Composition of North Dakota State Planning Region 4 Economic Base, by Industrial Categories, Selected Years 1990-2013.

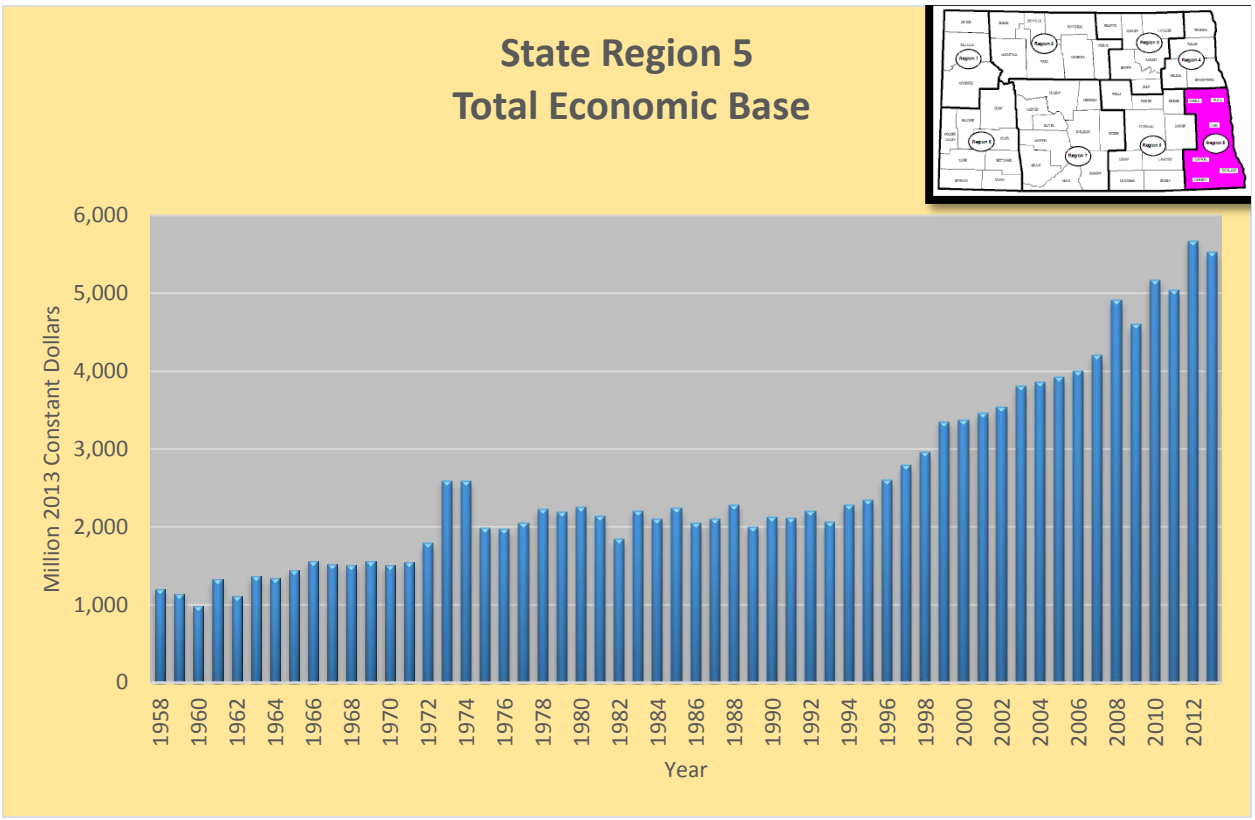

Figure 17. North Dakota State Planning Region 5 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

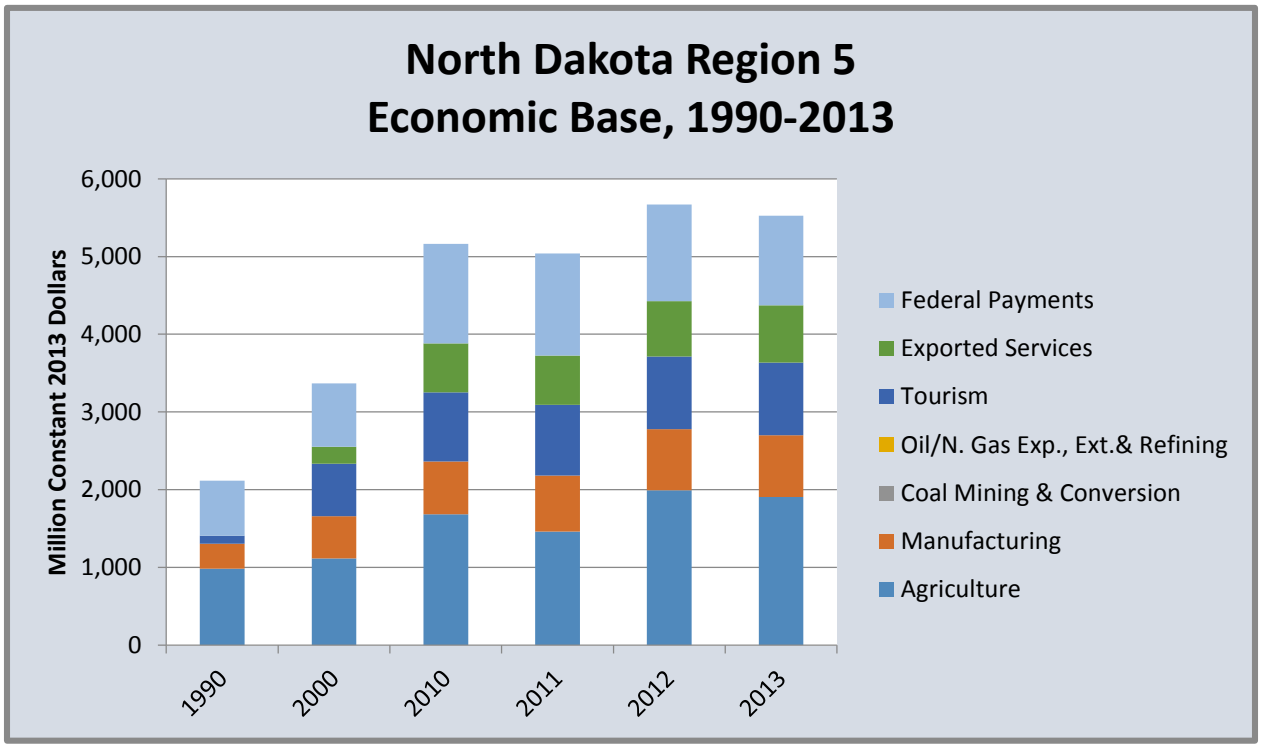

Figure 18. Composition of North Dakota State Planning Region 5 Economic Base, by Industrial Categories, Selected Years 1990-2013.

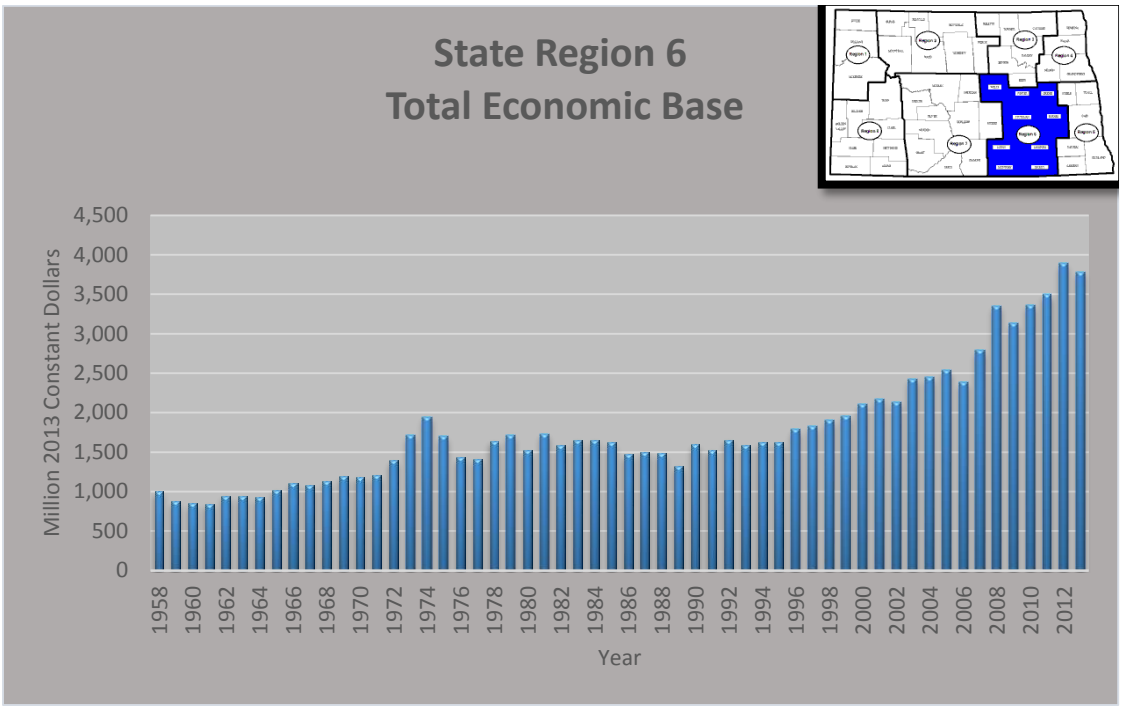

Figure 19. North Dakota State Planning Region 6 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

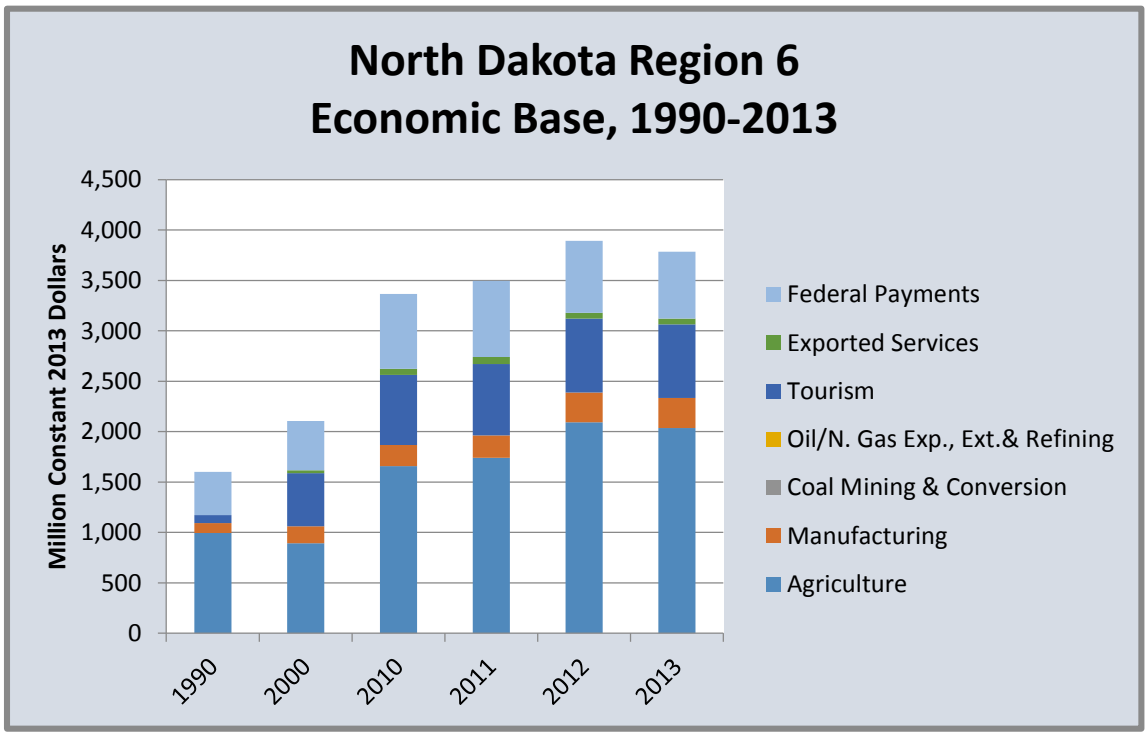

Figure 20. Composition of North Dakota State Planning Region 6 Economic Base, by Industrial Categories, Selected Years 1990-2013.

Energy makes a significant contribution to the economic base of State Region 7 and State Region 8. State Region 7 has experienced steady and strong growth in annual economic base with a diversified economy (Figure 21). This region has coal mining and conversion in addition to the state's largest oil refinery. Bismarck is located in this region which serves as headquarters for numerous energy industry operations, is a wholesale/retail trade center, and is the home to state capital/government. Coal mining and conversion (to electricity and synthetic natural gas) has been a long-established industry in this region, making up 19.1 percent of the region's economic base in 2013 (Figure 22). Agriculture is also important to this region, as it comprised 15.9 percent of the economic base, the same as federal activities (15.9 percent) in 2013. Petroleum/natural gas exploration and extraction and refining were 31.0 percent of State Region 7's economic base in 2013. State Region 7 had an economic base of $8.7 billion in 2013, following State Region 1 and State Region 2. State Region 8 had the fourth largest economic base in 2013 ($8.2 billion). State Region 8 is also an oil-producing region and its total annual economic base was similar to that for State Region 1 and State Region 2, with significant growth since 2009 (Figure 23). Oil comprised 40.0 percent of the region's economic base in 2009, 64.4 percent in 2010, and 78.6 percent of the 2013 (Figure 24). This highlights the rapid growth in economic base where oil production is in the developmental stages. Agriculture is the second largest component of State Region 8's economic base, comprising 10.8 percent, which is much less than the oil industry's contribution. Growth in the oil industry in State Region 8 has been strong, but not at the levels of State Region 1 and State Region 2. Continued development of oil reserves in this Region could lead to significant growth in the economic base like that realized in other oil-producing regions in the state.

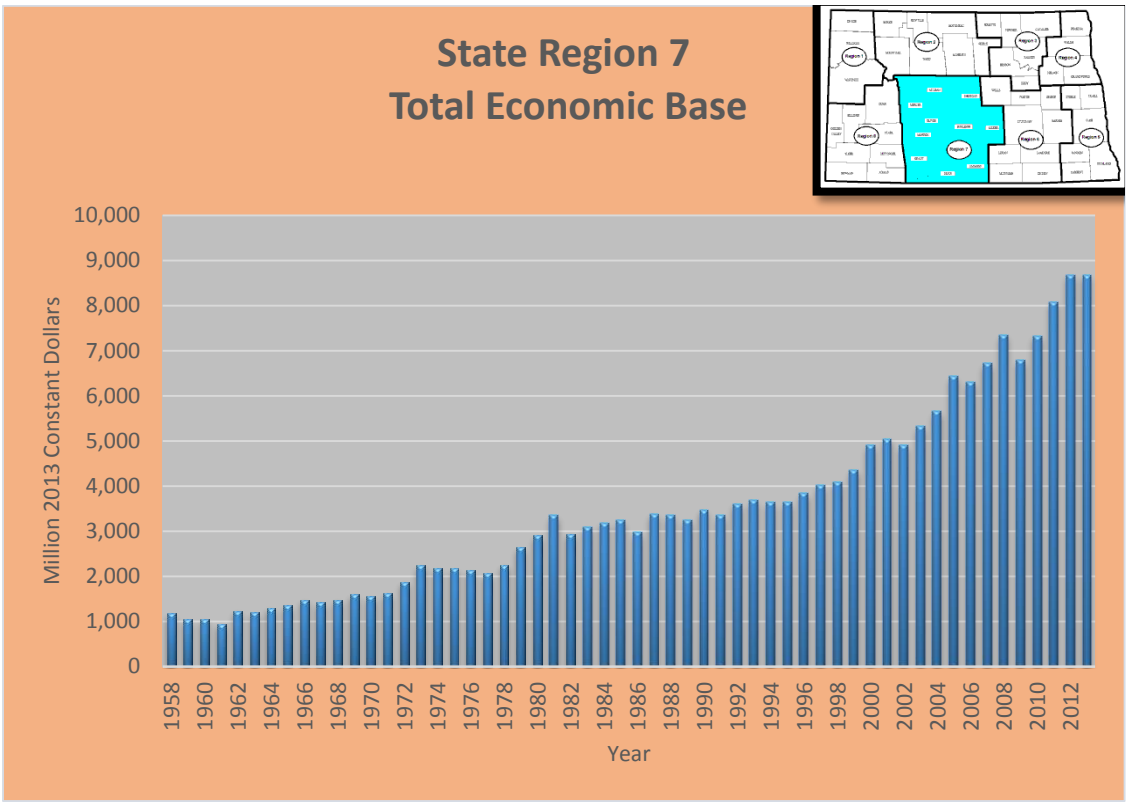

Figure 21. North Dakota State Planning Region 7 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

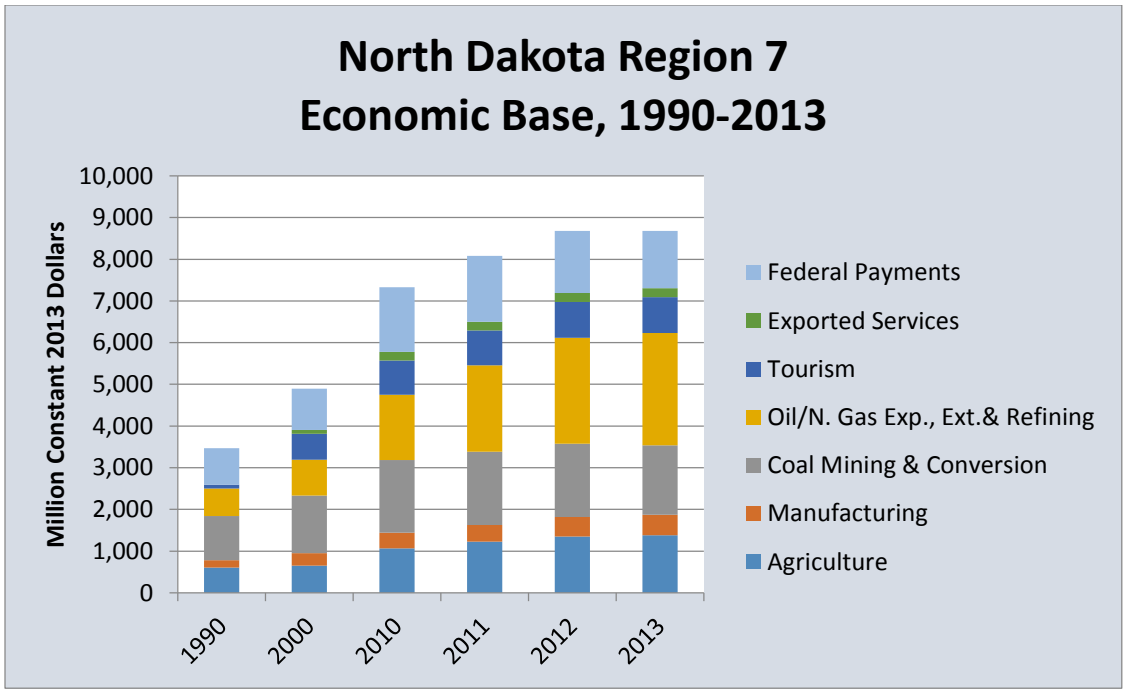

Figure 22. Composition of North Dakota State Planning Region 7 Economic Base, by Industrial Categories, Selected Years 1990-2013.

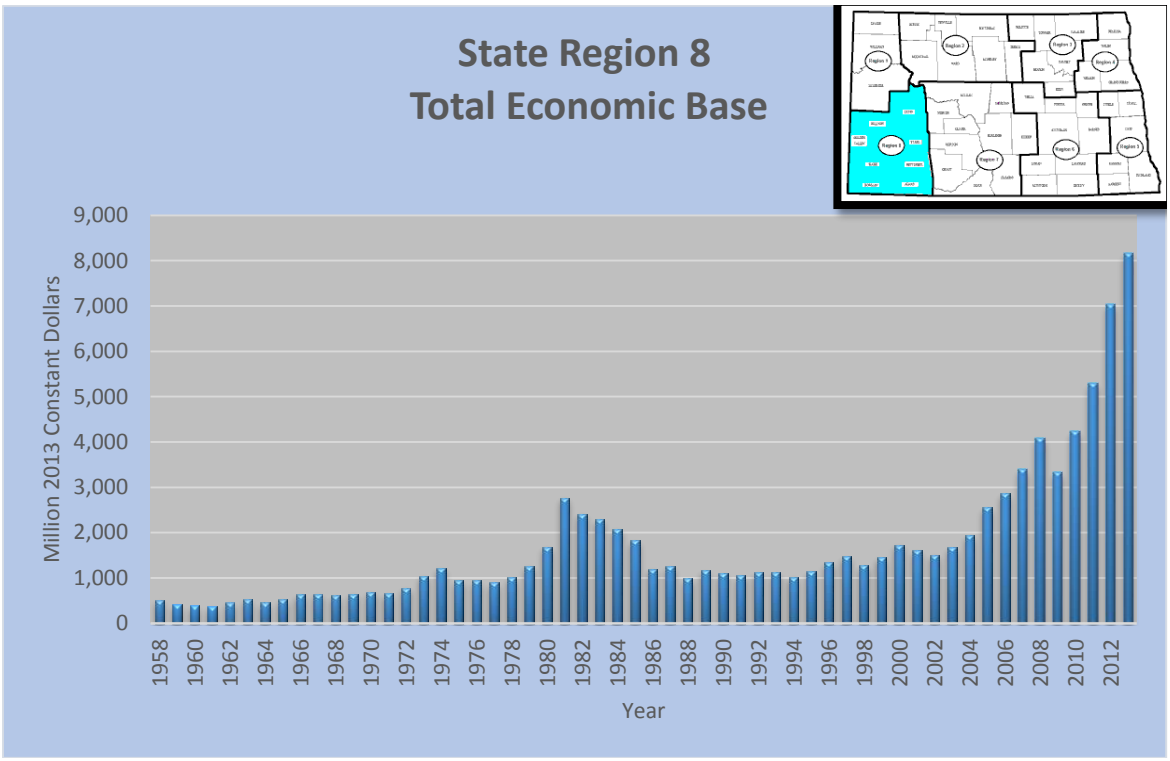

Figure 23. North Dakota State Planning Region 8 Annual Total Economic Base in Constant 2013 Dollars, 1958-2013.

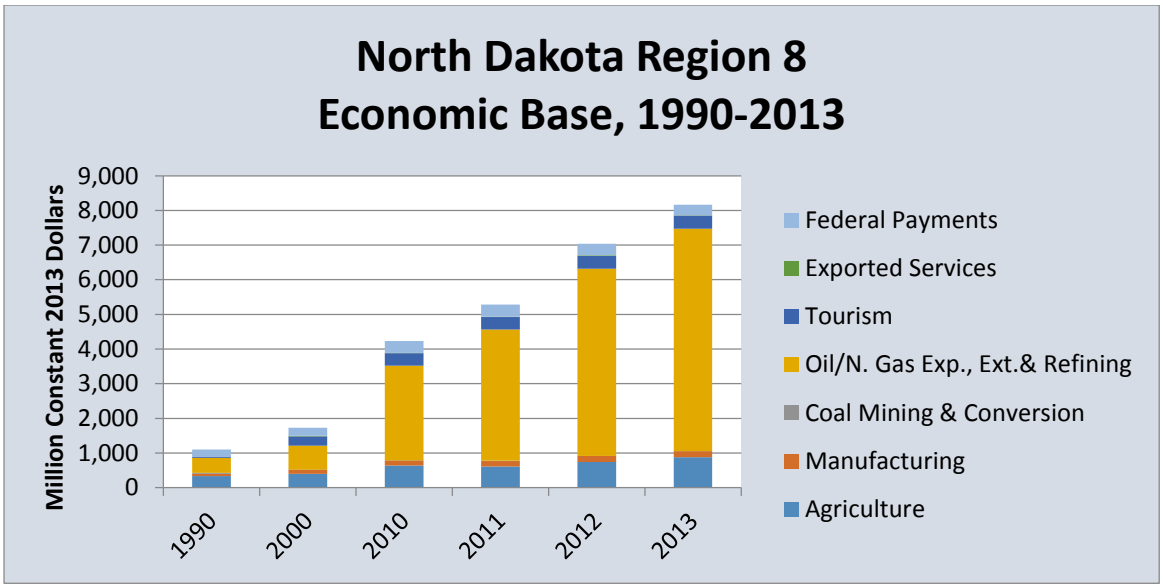

Figure 24. Composition of North Dakota State Planning Region 8 Economic Base, by Industrial Categories, Selected Years 1990-2013.

Summary

There are many different measures that can be used to describe the North Dakota economy. Each of the measures has a different definition, and it is important to fully understand what the terminology is describing. This analysis presents the economic base for North Dakota, a measure of the value of goods and services exported from an economic unit in return for dollars that enter that economic unit. The industries that export a good or service are known as basic industries, or basic economic sectors. When the economic base values, or sales for final demand, are applied to the North Dakota Input-Output Model, total levels of business activity (gross business volumes) are generated. For example, the infusion of "new" dollars for oil exported from the state are applied to the North Dakota Input-Output Model multipliers, levels of business activity for oil sectors of the economy are generated. The economic base data provides a measure of the North Dakota economy that is valuable for economists, policy makers, and industry leaders. The intent of this report is to provide highlights of this data base that spans the 1958 to 2013 period.

North Dakota's economic base has increased significantly during the past two decades, growing from $13.2 billion in 1990 to $45.9 billion in 2013 (in constant 2013 dollar values). Agriculture has long been the driving force in the North Dakota economy, growing from $4.9 billion in 1990 to $10.1 billion in 2013. The Petroleum/Natural Gas Exploration and Extraction and Refining industrial category of the state's economy has grown very rapidly in recent years with the development of the Bakken/Three Forks formations. Since 2000, this sector increased from $1.3 billion to $17.4 billion in 2013. This unprecedented growth has resulted in many economic changes in North Dakota. The total economic base for North Dakota has grown rapidly with the oil sectors increasing their share of the economic base while other sectors shares have declined in terms of percentage, despite continuing to increase. Much of this information was presented graphically to illustrate how profound the changes in the states' economy have been in recent years.

The economic base for North Dakota presented in this analysis is for the 1958 to 2013 period. It is a record of what has happened to the state's economy for that period. All of the data required to calculate the 2014 economic base were not available at the time this report was prepared, so the 2013 is the latest available. The 2014 data may provide some interesting insights into the North Dakota economy. Crop prices have been declining for a couple of years and have

continued that trend into 2015. Oil prices started declining in late 2014, probably late enough in the year to not substantially affect the 2014 economic base, but is likely to be more noticeable in 2015. These changes will highlight how price declines in agriculture and energy can influence the state's economic base. State officials made a significant effort to diversify the North Dakota economy in the past, resulting in more agricultural processing and new industries, like exported services. These efforts paid off with moderate and stable economic growth. However, the development of the Bakken/Three Forks oil resources have changed the North Dakota economy. The growth has been so robust that slight downturn in the natural resource based sectors (agriculture and energy), may only cause a slight downturn in the economy. Updating the economic base data set for North Dakota can provide valuable insight into the state's economy.

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APPENDIX A

Gross Domestic Product Implicit Price Deflators

TABLE 1. GROSS DOMESTIC PRODUCT IMPLICIT PRICE DEFLATORS FOR 2000, 2009, AND 2013 BASE, 1958-2013

	GDP Implicit Price Deflators		
Year	2000 = 100 Base	2009 = 100 Base	2013 = 100 Base
1958	20.58	16.84	15.80
1959	21.07	17.25	16.18
1960	21.36	17.49	16.41
1961	21.60	17.69	16.60
1962	21.86	17.90	16.79
1963	22.11	18.11	16.99
1964	22.45	18.38	17.24
1965	22.86	18.72	17.56
1966	23.50	19.25	18.06
1967	24.18	19.81	18.59
1968	25.21	20.65	19.37
1969	26.45	21.66	20.32
1970	27.85	22.81	21.40
1971	29.26	23.96	22.48
1972	30.53	25.01	23.46
1973	32.20	26.37	24.74
1974	35.09	28.73	26.95
1975	38.34	31.40	29.46
1976	40.44	33.12	31.07
1977	42.95	35.17	33.00
1978	45.97	37.64	35.31
1979	49.76	40.75	38.23
1980	54.25	44.23	41.50
1981	59.31	48.57	45.57
1982	62.99	51.59	48.84
1983	65.48	53.62	50.30
1984	67.80	55.26	51.84
1985	69.97	57.30	53.76
1986	71.39	58.46	54.85
1987	73.21	59.95	56.24
1988	75.77	62.05	58.21
1989	78.71	64.46	60.47
1990	81.63	66.85	62.72
1991	84.34	69.07	64.80
1992	86.27	70.64	66.27
1993	88.32	72.33	67.86
1994	90.20	73.87	69.30
1995	92.08	75.41	70.75
1996	93.76	76.78	72.03
1997	95.37	78.10	73.27
1998	96.40	78.94	74.06
1999	97.78	80.07	75.12
2000	100.00	81.89	76.83
2001	102.29	83.77	78.59
2002	103.86	85.05	79.79
2003	105.94	86.75	81.39
2004	108.84	89.13	83.62
2005	112.33	91.99	86.30
2006	115.79	94.82	88.96
2007	118.86	97.34	91.32

- continued -

TABLE 1. Continued.

Year	GDP Implicit Price Deflators		
	2000 = 100 Base	2009 = 100 Base	2013 = 100 Base
2008	121.18	99.24	93.10
2009	122.11	100.00	93.82
2010	123.59	101.21	94.95
2011	126.02	103.20	96.82
2012	128.22	105.00	98.51
2013	130.16	106.59	100.00

Source: Bureau of Economic Analysis. June 2014. Historical Measures. Survey of Current Business Online. Volume 94, No.6. www.bea.gov/scb/toc/0614cont.htm. Washington, D.C.: U.S. Department of Commerce.

APPENDIX B

North Dakota Economic Base in Current Year Dollars

TABLE 1. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	220.3	440.3	18.3	62.5	16.5	5.5	187.0	1.1	- -	5.4	13.1	970.0
1959	217.3	394.9	27.2	57.0	18.0	6.0	186.5	1.0	- -	10.9	12.9	931.7
1960	175.4	390.9	32.7	66.1	14.9	5.0	187.9	1.0	- -	14.5	12.5	900.9
1961	213.9	341.7	24.0	67.5	17.2	5.8	237.2	1.3	- -	21.0	12.6	942.2
1962	199.3	476.8	16.5	62.6	18.7	6.3	344.2	1.5	- -	22.8	12.5	1,161.2
1963	207.7	543.1	17.1	73.0	21.7	7.2	334.5	1.3	- -	23.3	12.5	1,241.4
1964	213.3	451.2	30.2	78.4	26.2	8.7	485.2	1.5	- -	25.9	12.7	1,333.3
1965	247.5	554.5	31.0	78.4	33.0	11.0	361.4	1.5	- -	28.0	13.4	1,359.7
1966	271.5	609.4	23.3	84.2	45.0	15.0	428.6	1.3	4.4	29.7	14.0	1,526.4
1967	280.9	568.4	24.4	91.7	54.7	18.2	380.8	2.1	8.4	28.0	14.6	1,472.2
1968	264.2	570.5	27.0	101.5	69.7	23.2	447.9	2.4	12.3	34.3	14.7	1,567.7
1969	265.0	641.8	35.2	162.0	75.8	25.3	501.5	2.4	11.7	26.2	14.9	1,761.8
1970	272.5	671.0	182.1	148.1	85.7	28.5	567.7	3.2	13.8	30.3	15.2	2,018.1
1971	304.7	673.7	60.7	162.0	93.8	31.3	605.1	3.5	17.5	32.9	15.9	2,001.1
1972	376.4	975.0	72.9	170.0	86.3	28.8	649.0	3.3	21.4	34.6	16.8	2,434.5
1973	475.9	1,795.7	61.6	243.0	94.5	31.5	726.7	4.1	19.3	38.4	19.1	3,509.8
1974	448.5	2,072.1	72.4	304.8	92.6	31.1	806.0	4.9	22.4	76.1	22.6	3,953.5
1975	452.8	1,555.8	82.9	306.6	112.5	37.5	1,046.9	7.1	20.6	84.3	25.0	3,732.0
1976	484.3	1,194.3	44.9	467.2	134.2	44.8	1,066.7	16.0	38.6	100.8	27.0	3,618.8
1977	483.3	1,178.6	51.7	408.1	143.6	47.8	1,076.7	18.2	46.3	102.0	29.2	3,585.5
1978	529.4	1,615.2	65.8	435.8	165.0	54.9	1,157.8	22.0	65.4	108.5	30.8	4,250.6
1979	694.1	1,692.6	78.0	523.8	147.5	49.2	1,381.9	32.2	91.6	182.5	46.9	4,920.3
1980	781.4	1,721.6	108.1	562.2	144.5	48.2	1,687.4	48.3	120.1	410.4	74.3	5,706.5
1981	594.0	2,339.5	78.8	616.3	160.4	53.5	1,896.5	54.5	140.8	973.1	131.8	7,039.2
1982	604.5	2,306.0	56.0	526.5	167.2	55.7	1,598.2	57.8	162.0	857.3	121.3	6,512.5
1983	662.7	2,607.2	79.7	537.0	196.4	65.5	1,936.5	76.7	196.4	782.8	112.8	7,253.7
1984	690.3	2,317.1	111.6	572.5	176.8	58.9	2,131.7	96.3	226.3	719.9	109.4	7,210.8
1985	698.3	2,586.2	102.5	584.3	190.1	63.3	2,205.3	136.9	261.5	615.4	101.8	7,545.6
1986	675.8	2,323.4	96.9	587.8	193.9	64.6	2,275.5	127.5	261.3	275.2	81.4	6,963.3
1987	795.0	2,258.4	81.5	610.8	207.1	69.1	2,314.9	120.2	498.6	320.4	87.9	7,363.9
1988	849.3	2,490.1	94.9	653.5	219.6	73.2	2,379.0	118.4	569.8	243.9	89.7	7,781.4
1989	642.2	1,940.4	78.2	686.2	237.1	79.1	2,673.9	145.0	535.6	296.3	104.9	7,418.9
1990	813.5	2,269.3	100.2	698.6	262.9	87.6	2,906.5	142.2	543.6	354.5	126.4	8,305.3
1991	699.2	2,390.8	113.3	730.0	290.5	96.8	2,972.3	141.0	565.5	308.6	113.6	8,421.6
1992	754.9	2,781.9	135.4	788.4	326.8	108.9	3,223.7	146.8	623.3	275.8	110.0	9,275.9
1993	706.5	2,791.5	124.1	803.0	398.7	132.9	3,333.1	157.1	655.7	235.2	106.8	9,444.6
1994	627.3	2,764.7	120.6	909.8	478.4	159.5	3,662.4	160.7	660.5	208.7	101.0	9,853.6
1995	565.7	2,884.3	149.6	1,014.4	607.6	202.5	3,631.5	165.9	649.5	299.4	103.5	10,273.9
1996	538.6	3,244.0	106.3	1,100.6	796.0	265.3	3,665.7	153.8	698.5	416.3	122.1	11,107.2
1997	597.7	3,023.6	155.2	1,212.9	1,058.6	352.9	4,139.6	151.6	694.4	483.2	117.8	11,987.5

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TABLE 1. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	554.7	2,968.4	167.9	1,313.6	1,429.1	769.2	3,785.1	149.8	739.9	303.5	104.3	12,285.5
1999	633.3	3,066.2	198.6	1,361.8	1,965.0	1,003.4	3,796.1	155.8	735.5	384.1	124.5	13,424.3
2000	639.4	3,220.2	209.1	1,447.6	2,122.3	1,089.0	4,073.8	155.2	907.2	576.7	187.7	14,628.2
2001	726.7	3,131.7	206.9	1,480.9	2,220.9	1,368.8	4,529.3	156.5	914.0	445.2	171.9	15,352.8
2002	797.5	2,928.1	253.3	1,512.0	2,297.7	1,447.6	4,697.7	160.7	933.5	482.6	156.7	15,667.4
2003	870.2	3,559.3	228.3	1,616.3	2,414.9	1,643.3	5,080.8	166.1	975.7	536.3	192.8	17,284.0
2004	938.3	3,619.6	233.5	1,773.1	2,518.7	1,759.9	5,465.6	183.1	957.4	756.0	246.8	18,452.0
2005	989.1	3,799.9	280.8	1,895.4	2,702.6	1,825.6	5,842.0	192.6	1,298.0	1,244.0	336.0	20,406.0
2006	892.4	3,541.4	279.8	1,982.6	2,837.7	1,969.5	5,740.3	225.5	1,333.8	1,678.7	361.5	20,843.2
2007	956.7	4,926.3	283.4	2,077.8	2,971.1	2,058.5	6,244.8	233.6	1,340.1	1,980.0	394.4	23,466.7
2008	912.4	7,227.6	276.3	2,204.6	3,098.8	2,146.9	6,538.0	260.1	1,558.9	2,559.6	510.8	27,294.0
2009	784.6	6,295.3	336.9	2,010.6	3,273.3	2,193.7	7,709.0	290.5	1,365.1	1,461.8	318.4	26,039.2
2010	955.0	6,808.9	421.9	2,229.8	3,463.8	2,371.3	8,801.7	285.6	1,367.4	2,736.5	395.5	29,837.4
2011	1,127.6	6,670.2	399.7	2,416.7	3,601.7	2,447.3	9,567.3	294.4	1,409.3	4,765.2	528.9	33,228.3
2012	1,090.2	8,753.0	340.7	2,811.8	3,785.4	2,612.4	10,271.7	289.5	1,445.4	11,138.4	625.0	43,163.5
2013	1,293.9	8,760.3	318.2	2,897.4	3,831.0	2,696.8	10,113.7	280.3	1,384.5	13,636.4	686.4	45,898.9

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 2. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 1, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	10.3	16.2	0.8	2.7	0.9	0.3	5.8	0.1	- -	17.6	4.8	59.5
1959	9.8	14.4	1.1	2.3	1.0	0.3	6.4	0.1	- -	20.7	4.7	60.8
1960	8.0	19.2	1.4	2.6	0.8	0.3	7.3	0.1	- -	25.5	4.6	69.8
1961	10.0	10.5	1.1	2.5	1.0	0.3	7.6	0.2	- -	26.5	4.6	64.3
1962	9.2	28.4	0.7	2.2	1.0	0.3	9.5	0.2	- -	30.2	4.6	86.3
1963	10.1	36.2	0.8	2.4	1.2	0.4	9.8	0.1	- -	32.7	4.5	98.2
1964	10.9	24.2	1.3	2.6	1.5	0.5	12.8	0.1	- -	36.3	4.4	94.6
1965	13.2	26.6	1.4	2.6	1.8	0.6	11.0	- -	- -	37.6	4.6	99.4
1966	14.3	32.9	1.0	2.8	2.5	0.8	12.5	- -	- -	38.8	4.6	110.2
1967	14.8	28.2	1.1	3.1	3.0	1.0	12.0	- -	- -	33.4	4.6	101.2
1968	13.9	26.4	1.2	3.3	3.8	1.3	13.7	- -	- -	33.4	4.6	101.6
1969	13.8	40.0	1.5	5.4	4.2	1.4	21.0	- -	- -	28.2	4.7	120.2
1970	15.0	38.3	0.7	4.9	4.7	1.6	18.9	- -	- -	28.9	5.1	118.1
1971	17.9	34.0	0.7	5.4	5.2	1.7	23.0	- -	- -	31.3	5.7	124.9
1972	21.5	59.6	2.5	5.6	4.7	1.6	22.8	- -	- -	31.3	6.0	155.6
1973	26.8	115.2	0.3	8.0	5.2	1.7	25.6	- -	- -	33.2	6.8	222.8
1974	23.4	128.0	1.1	10.1	5.1	1.7	27.3	- -	- -	72.0	8.2	276.9
1975	24.0	85.0	0.9	10.2	6.2	2.1	31.0	- -	- -	72.1	9.0	240.5
1976	25.8	70.6	2.0	15.5	7.4	2.5	30.8	- -	- -	86.8	9.6	251.0
1977	26.4	50.6	2.7	13.5	7.9	2.6	36.0	- -	- -	97.9	10.3	247.9
1978	29.5	79.6	3.6	14.4	9.1	3.0	37.6	- -	- -	108.8	10.8	296.4
1979	41.1	70.6	2.4	17.3	8.1	2.7	111.1	- -	- -	148.1	15.0	416.4
1980	45.0	81.2	5.3	18.6	7.9	2.6	156.3	0.2	- -	251.1	22.5	590.7
1981	31.0	104.5	3.7	20.4	8.8	2.9	221.0	0.1	- -	515.3	39.4	947.1
1982	30.8	99.4	2.6	17.4	9.2	3.1	150.1	0.1	- -	509.7	36.2	858.6
1983	34.7	109.5	3.6	17.8	10.8	3.6	119.0	0.1	- -	573.0	33.7	905.8
1984	35.5	56.8	5.1	19.0	9.7	3.2	128.7	0.1	- -	652.3	32.7	943.1
1985	34.2	51.6	4.7	19.3	10.5	3.5	112.2	0.3	- -	638.3	30.4	905.0
1986	32.9	110.3	4.4	19.5	10.7	3.6	110.3	0.1	- -	292.7	24.3	608.8
1987	38.7	100.4	3.8	20.2	11.4	3.8	109.8	0.1	- -	360.6	26.3	675.1
1988	43.3	89.5	4.4	21.6	12.1	4.0	110.0	0.2	- -	271.2	26.8	583.1
1989	32.5	64.9	3.6	22.7	13.0	4.3	122.0	0.1	- -	319.5	31.7	614.3
1990	43.5	81.2	4.6	23.1	14.5	4.8	132.1	0.1	- -	362.6	38.8	705.3
1991	38.3	97.2	5.2	24.2	16.0	5.3	131.8	0.1	- -	290.8	34.7	643.6
1992	43.7	129.6	6.2	26.1	18.0	6.0	137.1	0.1	- -	259.8	33.4	660.0
1993	37.7	184.9	5.7	26.6	21.9	7.3	139.5	0.1	- -	224.2	32.5	680.4
1994	32.3	150.4	5.6	30.1	26.3	8.8	149.6	0.1	- -	193.5	30.3	627.0
1995	26.7	154.5	6.9	33.6	33.4	11.1	150.1	0.1	- -	195.5	30.9	642.8
1996	27.5	149.4	4.9	36.4	43.8	14.6	154.1	0.1	- -	216.2	37.0	684.0
1997	32.8	139.8	7.1	40.2	58.2	19.4	163.9	0.1	- -	190.2	35.2	686.9

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TABLE 2. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 1, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	27.7	129.5	7.7	43.5	78.6	28.7	148.7	0.1	- -	117.6	30.9	613.0
1999	37.2	154.2	9.1	45.1	108.1	46.0	156.4	0.1	- -	152.6	37.5	746.3
2000	40.9	136.1	9.6	47.9	116.7	50.2	189.3	0.1	- -	265.9	58.1	914.8
2001	41.1	143.9	9.5	49.0	122.2	72.5	201.5	0.1	- -	216.1	52.8	908.7
2002	49.5	147.8	11.7	50.0	126.4	78.2	209.5	0.1	- -	226.4	48.0	947.6
2003	51.7	144.5	10.5	53.5	132.8	75.2	227.7	0.1	- -	249.0	59.2	1,004.2
2004	56.3	155.1	10.7	58.7	138.5	78.6	263.1	0.1	- -	335.3	76.9	1,173.3
2005	55.3	167.5	12.9	62.7	148.6	84.3	324.0	0.1	- -	459.3	107.6	1,422.3
2006	52.4	131.7	12.9	65.6	156.1	88.8	330.3	0.1	- -	590.9	- -	1,428.8
2007	50.1	237.3	13.0	68.8	163.4	91.9	285.4	0.1	- -	792.3	- -	1,702.3
2008	48.3	267.2	12.7	73.0	170.4	95.4	310.8	- -	- -	1,281.4	- -	2,259.2
2009	40.0	251.4	15.5	66.5	180.0	98.1	370.4	- -	- -	1,039.8	- -	2,061.7
2010	52.2	233.1	19.4	73.8	190.5	102.8	497.8	- -	- -	2,240.3	- -	3,409.9
2011	62.4	165.7	18.4	80.0	198.1	109.8	750.1	- -	- -	5,069.0	- -	6,453.5
2012	60.6	308.4	15.7	88.0	208.2	113.7	1,193.4	- -	- -	9,592.0	- -	11,580.0
2013	74.0	362.8	14.6	90.1	210.7	116.6	1,350.9	0.5	- -	13,079.9	- -	15,300.1

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 3. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 2, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	24.2	46.9	2.2	7.8	2.5	0.9	31.3	- -	- -	7.3	- -	123.1
1959	22.9	50.1	3.3	7.4	2.8	0.9	29.1	- -	- -	12.5	- -	129.0
1960	18.8	53.0	3.9	8.8	2.3	0.8	33.0	- -	- -	16.8	- -	137.4
1961	23.3	23.2	2.9	9.3	2.7	0.9	39.1	- -	- -	20.9	- -	122.3
1962	21.5	85.4	2.0	8.9	2.9	1.0	78.9	- -	- -	21.7	- -	222.3
1963	22.4	89.0	2.1	10.6	3.4	1.1	69.7	- -	- -	21.6	- -	219.9
1964	23.3	74.7	3.6	11.3	4.0	1.4	124.1	- -	- -	24.0	- -	266.4
1965	27.2	78.2	3.7	11.3	5.1	1.7	71.0	- -	- -	25.4	- -	223.6
1966	28.4	95.8	2.8	12.1	6.9	2.3	91.8	- -	- -	23.6	- -	263.7
1967	29.9	65.6	2.9	13.5	8.4	2.8	68.8	- -	- -	21.5	- -	213.4
1968	26.2	72.5	3.2	14.7	10.7	3.6	89.0	- -	- -	21.5	- -	241.4
1969	26.0	95.8	2.1	23.3	11.7	3.9	102.6	- -	- -	20.0	- -	285.4
1970	28.1	94.2	2.9	21.3	13.2	4.4	129.5	- -	- -	21.5	- -	315.1
1971	35.5	91.7	5.0	23.3	14.4	4.8	131.4	- -	- -	24.4	- -	330.5
1972	39.7	133.6	4.2	24.5	13.3	4.4	120.4	- -	- -	25.8	- -	365.9
1973	49.2	311.3	7.0	34.9	14.6	4.9	146.7	- -	- -	25.6	- -	594.2
1974	45.2	300.8	5.7	43.8	14.3	4.8	178.0	- -	- -	47.9	- -	640.5
1975	46.9	206.6	5.4	44.1	17.3	5.8	297.3	- -	- -	46.5	- -	669.9
1976	52.9	153.6	1.8	67.2	20.7	6.9	198.3	- -	- -	54.9	- -	556.3
1977	54.3	131.9	11.4	58.7	21.1	7.4	213.1	- -	- -	51.0	- -	548.9
1978	59.0	208.7	17.1	62.7	25.4	8.5	226.4	- -	- -	49.3	- -	657.1
1979	74.8	177.4	15.3	75.3	22.7	7.6	285.5	- -	- -	62.1	- -	720.7
1980	80.4	221.4	12.4	80.8	22.3	7.5	349.7	- -	- -	100.1	- -	874.6
1981	63.2	317.2	13.1	88.6	24.7	8.3	433.2	- -	- -	194.0	- -	1,142.3
1982	62.6	306.8	9.3	75.7	25.7	8.6	340.4	- -	- -	188.8	- -	1,017.9
1983	70.5	323.9	13.2	77.2	30.3	10.1	386.9	- -	- -	176.7	- -	1,088.8
1984	72.4	258.8	18.5	82.3	27.2	9.1	425.6	- -	- -	176.8	- -	1,070.7
1985	71.2	339.1	17.0	84.0	29.3	9.7	431.3	- -	- -	156.5	- -	1,138.1
1986	67.9	308.6	16.1	84.5	29.9	9.9	444.9	- -	- -	74.3	- -	1,036.1
1987	79.9	215.0	13.5	87.8	31.9	10.6	452.2	- -	- -	90.4	- -	981.3
1988	87.6	276.4	15.7	94.0	33.8	11.3	470.4	- -	- -	91.0	- -	1,080.2
1989	63.8	209.2	13.0	98.7	36.5	12.2	531.5	- -	- -	120.6	- -	1,085.5
1990	87.3	281.7	16.6	100.5	40.5	13.5	581.5	- -	- -	157.1	- -	1,278.7
1991	73.1	271.2	18.8	105.0	44.7	14.9	589.6	- -	- -	118.7	- -	1,236.0
1992	76.2	337.9	22.5	113.4	50.3	16.8	634.0	- -	- -	100.1	- -	1,351.2
1993	66.7	473.7	20.6	115.5	61.4	20.5	652.4	- -	- -	79.5	- -	1,490.3
1994	59.3	422.4	20.0	130.8	73.7	24.6	713.7	- -	- -	69.8	- -	1,514.3
1995	58.1	417.2	24.8	145.9	93.6	31.2	710.6	- -	- -	79.2	- -	1,560.6
1996	54.0	421.9	17.7	158.3	122.6	40.9	718.4	- -	- -	95.2	- -	1,629.0
1997	61.1	384.0	25.8	174.4	163.0	54.4	803.8	- -	- -	90.7	- -	1,757.2

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TABLE 3. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 2, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	59.3	359.9	27.9	188.9	220.1	126.9	734.2	- -	- -	56.9	- -	1,774.1
1999	72.7	255.1	33.0	195.8	302.6	181.0	739.8	- -	- -	72.2	- -	1,852.2
2000	73.3	340.1	34.7	208.2	326.8	185.2	800.6	- -	- -	114.2	- -	2,083.1
2001	86.9	339.7	34.3	213.0	342.0	246.1	888.6	- -	- -	93.4	- -	2,244.0
2002	96.5	357.2	42.0	217.4	353.8	269.6	929.4	- -	- -	110.3	- -	2,376.2
2003	105.4	411.7	37.9	232.4	371.9	295.6	1,005.3	- -	- -	119.8	- -	2,580.0
2004	108.7	451.9	38.8	255.0	387.9	342.6	1,081.3	- -	- -	147.8	- -	2,814.0
2005	113.6	528.9	46.6	272.6	416.2	305.9	1,157.6	- -	- -	190.8	- -	3,032.2
2006	102.7	433.9	46.4	285.1	437.0	332.8	1,138.5	- -	- -	246.7	- -	3,023.1
2007	112.1	687.2	47.1	298.8	457.6	348.3	1,299.2	- -	- -	410.9	- -	3,661.2
2008	99.5	1,025.5	45.9	317.0	477.2	376.1	1,520.4	- -	- -	1,874.2	- -	5,735.8
2009	89.1	855.8	55.9	289.1	504.1	390.5	1,965.2	- -	- -	2,042.4	- -	6,192.1
2010	108.2	809.6	70.0	320.6	533.4	404.5	2,426.8	- -	- -	3,903.3	- -	8,576.4
2011	127.1	606.8	66.3	347.5	554.7	421.2	2,601.9	- -	- -	5,076.4	- -	9,801.9
2012	130.7	1,057.2	56.6	411.9	583.0	433.4	2,958.8	- -	- -	6,839.8	- -	12,471.4
2013	154.7	1,050.8	52.8	421.1	590.0	459.6	2,951.5	- -	- -	7,611.0	- -	13,291.5

(Note: 1998 – 2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 4. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 3, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	16.6	58.5	1.8	3.3	1.4	0.5	11.5	- -	- -	- -	- -	93.6
1959	16.0	58.2	2.7	2.8	1.6	0.5	13.3	- -	- -	- -	- -	95.1
1960	13.1	42.4	3.3	3.0	1.3	0.4	15.2	- -	- -	- -	- -	78.7
1961	16.0	46.9	2.4	2.9	1.5	0.5	15.4	- -	- -	- -	- -	85.6
1962	15.1	75.3	1.7	2.5	1.6	0.5	16.1	- -	- -	- -	- -	112.8
1963	15.3	75.1	1.7	2.7	1.9	0.6	17.7	- -	- -	- -	- -	115.0
1964	14.8	65.8	3.0	2.9	2.3	0.8	19.9	- -	- -	- -	- -	109.5
1965	17.1	66.7	3.1	2.9	2.8	0.9	20.7	- -	- -	- -	- -	114.2
1966	17.4	75.8	2.3	3.1	3.9	1.3	22.5	- -	- -	- -	- -	126.3
1967	17.9	77.9	2.4	3.4	4.7	1.6	23.6	- -	- -	- -	- -	131.5
1968	16.3	78.7	2.7	3.7	6.0	2.0	25.6	- -	- -	- -	- -	135.0
1969	15.9	81.0	0.9	6.0	6.5	2.2	33.8	- -	- -	- -	- -	146.3
1970	16.1	78.8	0.9	5.5	7.4	2.5	47.0	- -	- -	- -	- -	158.2
1971	17.6	85.1	4.3	6.0	8.1	2.7	48.1	- -	- -	- -	- -	171.9
1972	21.1	114.6	5.2	6.3	7.4	2.5	61.5	- -	- -	- -	- -	218.6
1973	25.9	221.2	6.2	9.0	8.2	2.7	58.6	- -	- -	- -	- -	331.8
1974	24.2	229.1	4.2	11.3	8.0	2.7	81.8	- -	- -	- -	- -	361.3
1975	24.8	216.7	5.1	11.3	9.7	3.2	97.3	- -	- -	- -	- -	368.1
1976	25.7	151.4	3.7	17.3	11.5	3.8	113.2	- -	- -	- -	- -	326.6
1977	24.8	138.9	2.4	15.1	12.3	4.1	114.1	- -	- -	- -	- -	311.7
1978	27.0	182.0	4.7	16.1	14.2	4.7	120.2	- -	- -	- -	- -	368.9
1979	34.8	228.2	3.4	19.4	12.7	4.2	120.2	- -	- -	- -	- -	422.9
1980	38.6	242.0	19.0	20.8	12.4	4.1	135.0	- -	- -	- -	- -	471.9
1981	30.1	298.0	6.6	22.8	13.8	4.6	139.5	- -	- -	- -	- -	515.4
1982	30.3	306.2	4.7	19.5	14.4	4.8	132.6	- -	- -	- -	- -	512.5
1983	33.3	299.5	6.7	19.9	16.9	5.6	182.1	- -	- -	- -	- -	564.0
1984	33.8	276.3	9.4	21.2	15.2	5.1	200.6	- -	- -	- -	- -	561.6
1985	33.7	332.9	8.6	21.6	16.3	5.4	214.8	- -	- -	- -	- -	633.3
1986	32.6	248.1	8.1	21.7	16.7	5.6	223.2	- -	- -	- -	- -	556.0
1987	38.4	268.3	6.8	22.6	17.8	5.9	227.9	- -	- -	- -	- -	587.7
1988	41.1	306.6	8.0	24.2	18.9	6.3	234.7	- -	- -	- -	- -	639.8
1989	31.8	241.9	6.5	25.4	20.4	6.8	263.8	- -	- -	- -	- -	596.6
1990	39.5	200.9	8.4	25.9	22.6	7.6	285.3	- -	- -	- -	- -	662.6
1991	34.1	298.2	9.5	27.0	25.0	8.3	292.7	- -	- -	- -	- -	694.8
1992	38.0	331.1	11.4	29.2	28.1	9.4	319.6	- -	- -	- -	- -	768.8
1993	35.9	246.8	10.4	29.7	34.3	11.4	331.6	- -	- -	- -	- -	700.1
1994	30.1	301.4	10.1	33.7	41.1	13.7	366.3	- -	- -	- -	- -	796.4
1995	27.8	297.6	12.6	37.5	52.2	17.4	361.5	- -	- -	- -	- -	806.6
1996	23.8	325.5	8.9	40.7	68.5	22.8	361.9	- -	- -	- -	- -	852.1
1997	26.3	292.1	13.0	44.9	91.1	30.4	412.2	- -	- -	- -	- -	910.0

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TABLE 4. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 3, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	24.2	271.1	14.1	48.6	122.9	50.3	377.2	- -	- -	- -	- -	908.4
1999	26.6	249.5	16.7	50.4	169.0	70.7	374.8	- -	- -	- -	- -	957.7
2000	26.9	254.8	17.6	53.6	182.5	76.8	395.7	- -	- -	- -	- -	1,007.9
2001	31.9	202.2	17.4	54.8	191.0	86.1	444.7	- -	- -	- -	- -	1,028.1
2002	35.8	275.3	21.3	55.9	197.6	90.0	459.9	- -	- -	- -	- -	1,135.8
2003	40.8	366.0	19.2	59.8	207.7	91.9	496.6	- -	- -	- -	- -	1,282.0
2004	47.3	361.6	19.6	65.6	216.6	88.3	526.2	- -	- -	- -	- -	1,325.2
2005	51.0	363.1	23.6	70.1	232.4	97.6	549.9	- -	- -	- -	- -	1,387.7
2006	45.3	398.9	23.5	73.4	244.0	101.7	533.6	- -	- -	- -	- -	1,420.4
2007	45.4	547.6	23.8	76.9	255.5	111.1	582.7	- -	- -	- -	- -	1,643.0
2008	51.1	982.7	23.2	81.6	266.5	117.0	604.8	- -	- -	- -	- -	2,126.9
2009	47.9	619.8	28.3	74.4	281.5	127.0	693.7	- -	- -	- -	- -	1,872.6
2010	54.9	761.2	35.5	82.5	297.9	133.4	756.6	- -	- -	- -	- -	2,122.0
2011	63.5	813.6	33.6	89.4	309.8	129.8	795.4	- -	- -	- -	- -	2,235.1
2012	60.4	992.4	28.6	119.2	325.6	137.1	767.5	- -	- -	- -	- -	2,430.8
2013	71.1	953.6	26.7	121.7	329.5	139.7	722.2	- -	- -	- -	- -	2,364.5

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 5. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 4, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	11.7	70.4	3.1	6.0	2.3	0.8	36.7	- -	- -	- -	- -	131.0
1959	11.4	77.4	4.6	6.5	2.5	0.8	35.4	- -	- -	- -	- -	138.6
1960	9.6	72.0	5.5	8.7	2.1	0.7	40.1	- -	- -	- -	- -	138.7
1961	11.1	76.7	4.0	9.6	2.4	0.8	46.4	- -	- -	- -	- -	151.0
1962	10.5	60.2	2.8	10.0	2.6	0.9	86.4	- -	- -	- -	- -	173.4
1963	10.5	78.1	2.9	13.6	3.0	1.0	78.0	- -	- -	- -	- -	187.1
1964	10.2	68.7	5.1	14.6	3.6	1.2	133.1	- -	- -	- -	- -	236.5
1965	11.4	114.6	5.2	14.6	4.5	1.5	80.7	- -	- -	- -	- -	232.5
1966	11.7	96.9	3.9	15.7	6.2	2.1	102.3	- -	- -	- -	- -	238.8
1967	11.2	105.1	4.1	17.4	7.5	2.5	79.9	- -	- -	- -	- -	227.7
1968	9.9	97.9	4.5	18.9	10.0	3.2	101.1	- -	- -	- -	- -	245.5
1969	10.2	107.2	11.3	30.1	10.4	3.5	94.4	- -	- -	- -	- -	267.1
1970	8.7	133.3	150.8	27.5	11.7	4.0	107.6	- -	- -	- -	- -	443.6
1971	10.2	117.3	28.5	30.1	12.8	4.3	115.7	- -	- -	- -	- -	318.9
1972	12.6	171.2	41.2	31.6	11.8	4.0	130.8	- -	- -	- -	- -	403.2
1973	15.4	306.2	25.2	45.1	13.0	4.3	158.4	- -	- -	- -	- -	567.6
1974	16.4	380.7	41.4	56.6	12.7	4.3	160.9	- -	- -	- -	- -	673.0
1975	15.2	275.4	24.6	56.9	15.4	5.2	196.4	- -	- -	- -	- -	589.1
1976	18.1	215.4	14.2	86.7	18.4	6.2	274.0	- -	- -	- -	- -	633.0
1977	17.2	221.6	7.7	75.8	19.7	6.6	190.9	- -	- -	- -	- -	539.5
1978	19.0	271.5	4.0	80.9	22.6	7.6	206.6	- -	- -	- -	- -	612.2
1979	24.3	299.8	5.1	97.3	20.2	6.8	221.0	- -	- -	- -	- -	674.5
1980	37.5	344.3	12.1	104.4	19.8	6.7	269.5	- -	- -	- -	- -	794.3
1981	21.4	387.9	11.1	114.5	22.0	7.4	269.5	- -	- -	- -	- -	833.8
1982	21.4	376.1	7.9	97.8	22.9	7.7	256.2	- -	- -	- -	- -	790.0
1983	23.4	512.9	11.2	99.7	26.9	9.0	351.8	- -	- -	- -	- -	1,034.9
1984	22.6	432.1	15.7	106.3	24.2	8.1	387.6	- -	- -	- -	- -	996.6
1985	23.6	450.8	14.5	108.5	26.0	8.7	414.9	- -	- -	- -	- -	1,047.0
1986	23.7	465.5	13.7	109.1	26.5	8.9	431.3	- -	- -	- -	- -	1,078.7
1987	27.9	471.4	11.5	113.5	28.4	9.5	439.7	- -	- -	- -	- -	1,101.9
1988	26.5	646.7	13.4	121.4	30.1	10.0	449.6	- -	- -	- -	- -	1,297.7
1989	42.4	318.2	11.0	127.4	32.5	10.8	503.0	- -	- -	- -	- -	1,045.3
1990	23.8	428.2	14.1	129.7	36.0	12.0	543.0	- -	- -	- -	- -	1,186.8
1991	19.7	465.2	16.0	135.6	39.8	13.3	557.3	- -	- -	- -	- -	1,246.9
1992	22.3	525.5	19.1	146.4	44.8	14.9	609.1	- -	- -	- -	- -	1,382.1
1993	24.8	445.0	17.5	149.1	54.6	18.2	632.6	- -	- -	- -	- -	1,341.8
1994	19.0	452.3	17.0	168.9	65.5	21.8	699.5	- -	- -	- -	- -	1,444.0
1995	17.8	502.4	21.1	188.4	83.2	27.7	690.4	- -	- -	- -	- -	1,531.0
1996	18.3	520.6	15.0	204.4	109.0	36.3	691.1	- -	- -	- -	- -	1,594.7
1997	17.1	498.7	21.9	225.2	145.0	48.3	785.6	- -	- -	- -	- -	1,741.8

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TABLE 5. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 4, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	15.0	557.6	23.7	243.9	195.8	73.9	718.1	- -	- -	- -	- -	1,828.0
1999	19.7	619.5	28.0	252.9	269.2	99.0	714.1	- -	- -	- -	- -	2,002.4
2000	25.5	608.2	29.5	268.8	290.8	107.1	753.3	- -	- -	- -	- -	2,083.2
2001	30.0	575.3	29.2	275.0	304.3	115.6	848.5	- -	- -	- -	- -	2,177.9
2002	28.8	526.7	35.7	280.8	314.8	120.6	877.6	- -	- -	- -	- -	2,185.0
2003	25.9	604.3	32.2	300.2	330.9	145.4	949.0	- -	- -	- -	- -	2,387.9
2004	31.7	569.5	32.9	329.3	345.1	157.5	1,006.1	- -	- -	- -	- -	2,472.1
2005	35.4	513.6	39.6	352.0	370.3	175.1	1,051.7	- -	- -	- -	- -	2,537.7
2006	31.0	610.0	39.5	368.2	388.8	179.7	1,020.3	- -	- -	- -	- -	2,637.5
2007	36.2	674.6	40.0	385.8	407.0	193.0	1,115.2	- -	- -	- -	- -	2,851.8
2008	30.8	1,069.9	38.9	409.4	424.6	196.5	1,157.7	- -	- -	- -	- -	3,327.8
2009	26.2	825.6	47.5	373.4	448.4	204.1	1,331.2	- -	- -	- -	- -	3,256.4
2010	43.4	907.4	59.5	414.1	474.5	211.1	1,452.8	- -	- -	- -	- -	3,562.8
2011	53.0	1,024.1	56.3	448.4	493.4	218.9	1,528.0	- -	- -	- -	- -	3,822.5
2012	32.3	1,119.8	48.0	493.7	518.6	234.4	1,474.3	- -	- -	- -	- -	3,921.1
2013	37.7	1,146.2	44.9	505.6	524.8	234.6	1,387.1	- -	- -	- -	- -	3,880.9

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 6. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 5, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	30.0	74.3	3.7	20.0	3.0	1.0	56.3	- -	- -	- -	- -	188.3
1959	31.0	74.6	5.5	17.9	3.3	1.1	50.8	- -	- -	- -	- -	184.2
1960	26.2	69.5	6.5	20.4	2.8	0.9	34.0	- -	- -	- -	- -	160.3
1961	30.8	90.2	4.8	20.6	3.2	1.1	68.5	- -	- -	- -	- -	219.2
1962	29.7	46.9	3.3	18.7	3.4	1.1	83.1	- -	- -	- -	- -	186.2
1963	29.4	87.6	3.4	21.1	4.0	1.3	85.4	- -	- -	- -	- -	232.2
1964	28.5	63.7	6.1	22.6	4.8	1.6	103.7	- -	- -	- -	- -	231.0
1965	32.6	90.4	6.2	22.6	6.0	2.0	93.5	- -	- -	- -	- -	253.3
1966	35.4	101.6	4.7	24.3	8.2	2.8	105.1	- -	- -	- -	- -	282.1
1967	36.0	98.9	4.9	27.0	10.1	3.3	103.1	- -	- -	- -	- -	283.3
1968	32.3	93.7	5.4	29.3	12.8	4.3	113.2	- -	- -	- -	- -	291.0
1969	33.1	104.0	8.1	46.8	13.9	4.6	105.6	- -	- -	- -	- -	316.1
1970	33.2	112.7	11.5	42.8	15.7	5.2	100.6	- -	- -	- -	- -	321.7
1971	36.0	120.7	12.0	46.8	17.2	5.7	108.5	- -	- -	- -	- -	346.9
1972	44.2	175.9	10.9	49.1	15.8	5.3	117.8	- -	- -	- -	- -	419.0
1973	57.0	358.4	18.2	70.2	17.3	5.8	114.2	- -	- -	- -	- -	641.1
1974	61.8	393.0	12.3	88.0	17.0	5.7	119.3	- -	- -	- -	- -	697.1
1975	55.0	241.3	28.0	88.6	20.6	6.9	142.1	- -	- -	- -	- -	582.5
1976	58.0	228.9	3.1	134.9	24.5	8.2	154.1	- -	- -	- -	- -	611.7
1977	52.4	297.9	7.0	117.9	26.3	8.8	164.6	- -	- -	- -	- -	674.9
1978	58.1	357.7	10.3	125.9	30.2	10.1	194.8	- -	- -	- -	- -	787.1
1979	67.0	377.9	10.3	151.3	27.0	9.0	194.0	- -	- -	- -	- -	836.5
1980	73.8	419.2	16.4	162.4	26.4	8.9	226.9	- -	- -	- -	- -	934.0
1981	57.5	470.4	10.2	178.0	29.4	9.8	215.3	- -	- -	- -	- -	970.6
1982	57.6	436.9	7.2	152.1	30.6	10.2	204.7	- -	- -	- -	- -	899.3
1983	58.7	554.1	10.3	155.1	35.9	12.0	281.0	- -	- -	- -	- -	1,107.1
1984	61.7	495.5	14.4	165.3	32.4	10.8	309.7	- -	- -	- -	- -	1,089.8
1985	61.4	581.2	13.2	168.8	34.8	11.6	331.5	- -	- -	- -	- -	1,202.5
1986	62.4	483.4	12.5	169.8	35.5	11.8	344.6	- -	- -	- -	- -	1,120.0
1987	73.4	519.6	10.5	176.4	37.9	12.7	350.8	- -	- -	- -	- -	1,181.3
1988	68.2	650.7	12.2	188.7	40.2	13.4	356.0	- -	- -	- -	- -	1,329.4
1989	51.9	493.1	10.1	198.2	43.4	14.5	398.4	- -	- -	- -	- -	1,209.6
1990	65.6	551.4	12.9	201.8	48.1	16.0	432.1	- -	- -	- -	- -	1,327.9
1991	56.4	567.1	14.6	210.8	53.2	17.7	443.6	- -	- -	- -	- -	1,363.4
1992	62.7	583.4	17.4	227.7	59.8	19.9	484.9	- -	- -	- -	- -	1,455.8
1993	56.1	490.4	16.0	231.9	73.0	24.3	503.7	- -	- -	- -	- -	1,395.4
1994	52.8	571.6	15.6	262.8	87.6	29.2	557.2	- -	- -	- -	- -	1,576.8
1995	48.7	592.8	19.3	292.9	111.2	37.1	549.9	- -	- -	- -	- -	1,651.9
1996	49.6	744.4	13.7	317.9	145.7	48.6	550.5	- -	- -	- -	- -	1,870.4
1997	52.0	736.4	20.0	350.3	193.7	64.6	626.7	- -	- -	- -	- -	2,043.7

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TABLE 6. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 5, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	50.1	662.5	21.7	397.4	261.5	220.9	572.8	- -	- -	- -	- -	2,186.9
1999	54.4	845.0	25.6	393.3	359.6	266.7	569.6	- -	- -	- -	- -	2,514.2
2000	60.9	796.9	27.0	418.1	388.4	295.6	601.3	- -	- -	- -	- -	2,588.2
2001	63.1	741.5	26.7	427.7	406.4	375.0	676.6	- -	- -	- -	- -	2,717.0
2002	62.6	771.3	32.7	436.7	420.5	394.3	700.0	- -	- -	- -	- -	2,818.1
2003	61.1	862.5	29.4	466.8	441.9	478.7	757.2	- -	- -	- -	- -	3,097.6
2004	73.4	820.1	30.1	512.1	460.9	523.1	802.7	- -	- -	- -	- -	3,222.4
2005	76.0	806.8	36.2	547.4	494.6	582.6	839.3	- -	- -	- -	- -	3,382.9
2006	69.6	894.6	36.1	572.6	519.3	656.4	814.1	- -	- -	- -	- -	3,562.7
2007	79.3	993.5	36.6	600.1	543.7	694.1	890.0	- -	- -	- -	- -	3,837.3
2008	71.5	1,642.8	35.6	636.7	567.1	687.6	923.9	- -	- -	- -	- -	4,565.2
2009	59.7	1,269.4	43.5	580.7	599.0	696.6	1,062.0	- -	- -	- -	- -	4,310.9
2010	67.7	1,532.7	54.4	644.0	633.9	809.3	1,160.1	- -	- -	- -	- -	4,902.1
2011	79.0	1,337.2	51.6	698.0	659.1	833.0	1,221.0	- -	- -	- -	- -	4,878.9
2012	74.7	1,888.1	44.0	772.9	692.7	933.2	1,178.4	- -	- -	- -	- -	5,584.0
2013	87.5	1,820.4	41.1	791.4	701.1	973.5	1,110.5	- -	- -	- -	- -	5,525.5

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 7. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 6, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	45.8	83.1	2.4	8.5	2.4	0.8	14.9	- -	- -	- -	- -	157.9
1959	45.4	64.7	3.5	7.2	2.6	0.9	17.3	- -	- -	- -	- -	141.6
1960	36.8	68.1	4.2	7.8	2.2	0.7	19.7	- -	- -	- -	- -	139.5
1961	44.4	61.9	3.1	7.3	2.5	0.8	19.9	- -	- -	- -	- -	139.9
1962	42.6	83.3	2.1	6.2	2.7	0.9	21.1	- -	- -	- -	- -	158.9
1963	44.6	79.0	2.2	6.5	3.1	1.0	23.1	- -	- -	- -	- -	159.5
1964	46.1	71.7	3.9	6.9	3.8	1.3	26.3	- -	- -	- -	- -	160.0
1965	52.9	81.9	4.0	6.9	4.7	1.6	27.0	- -	- -	- -	- -	179.0
1966	57.5	93.3	3.0	7.5	6.4	2.2	29.4	- -	- -	- -	- -	199.3
1967	59.3	89.1	3.2	8.3	7.8	2.6	30.6	- -	- -	- -	- -	200.9
1968	55.3	104.3	3.5	9.0	10.0	3.3	33.6	- -	- -	- -	- -	219.0
1969	54.9	110.1	2.7	14.4	10.8	3.6	44.6	- -	- -	- -	- -	241.1
1970	56.3	107.9	8.7	13.2	12.2	4.1	51.2	- -	- -	- -	- -	253.6
1971	60.7	118.1	1.9	14.4	13.4	4.5	58.1	- -	- -	- -	- -	271.1
1972	75.7	158.5	2.7	15.1	12.3	4.1	58.9	- -	- -	- -	- -	327.3
1973	95.2	221.3	2.3	21.6	13.5	4.6	65.5	- -	- -	- -	- -	424.0
1974	86.9	322.6	1.5	27.1	13.2	4.4	68.1	- -	- -	- -	- -	523.8
1975	91.9	277.9	3.7	27.2	16.1	5.3	77.7	- -	- -	- -	- -	499.8
1976	102.0	184.9	6.7	41.5	19.2	6.4	85.1	- -	- -	- -	- -	445.8
1977	99.0	204.7	4.2	36.2	20.5	6.8	95.0	- -	- -	- -	- -	466.4
1978	110.4	286.7	5.4	38.7	23.6	7.8	106.7	- -	- -	- -	- -	579.3
1979	145.5	320.0	7.6	46.5	21.1	7.0	107.8	- -	- -	- -	- -	655.5
1980	138.0	278.8	6.8	49.9	20.7	6.8	130.7	- -	- -	- -	- -	631.7
1981	127.2	448.1	7.4	54.7	22.9	7.6	120.5	- -	- -	- -	- -	788.4
1982	130.0	444.4	5.3	46.7	23.9	7.9	114.6	- -	- -	- -	- -	772.8
1983	140.0	442.8	7.6	47.7	28.1	9.3	157.3	- -	- -	- -	- -	832.8
1984	143.6	445.9	10.6	50.8	25.3	8.4	173.3	- -	- -	- -	- -	857.9
1985	146.7	442.0	9.7	51.9	27.2	9.1	185.6	- -	- -	- -	- -	872.2
1986	142.0	375.7	9.2	52.2	27.7	9.2	192.9	- -	- -	- -	- -	808.9
1987	167.0	378.0	7.7	54.2	29.6	9.9	198.6	- -	- -	- -	- -	845.0
1988	173.5	372.0	9.0	58.0	31.4	10.5	206.8	- -	- -	- -	- -	861.2
1989	139.2	313.9	7.4	60.9	33.9	11.3	235.6	- -	- -	- -	- -	802.2
1990	169.3	453.9	9.5	62.0	37.6	12.5	259.2	- -	- -	- -	- -	1,004.0
1991	149.3	442.8	10.7	64.8	41.5	13.8	265.6	- -	- -	- -	- -	988.5
1992	157.1	503.4	12.8	70.0	46.7	15.6	288.7	- -	- -	- -	- -	1,094.3
1993	150.9	468.4	11.7	71.3	57.0	19.0	299.2	- -	- -	- -	- -	1,077.5
1994	134.0	479.5	11.3	80.8	68.4	22.8	329.1	- -	- -	- -	- -	1,125.9
1995	116.6	484.0	14.0	90.1	86.9	29.0	325.0	- -	- -	- -	- -	1,145.6
1996	107.2	594.4	10.0	97.7	113.8	37.9	325.3	- -	- -	- -	- -	1,286.3
1997	117.7	519.9	14.6	107.7	151.4	50.4	371.3	- -	- -	- -	- -	1,333.0

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TABLE 7. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 6, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	105.1	540.3	15.8	116.7	204.4	83.3	341.1	- -	- -	- -	- -	1,406.7
1999	116.1	486.5	18.7	120.9	281.0	110.5	338.4	- -	- -	- -	- -	1,472.1
2000	111.5	575.3	19.6	128.5	303.5	124.0	355.7	- -	- -	- -	- -	1,618.1
2001	134.3	572.5	19.4	131.5	317.6	133.8	397.4	- -	- -	- -	- -	1,706.5
2002	136.4	532.5	23.8	134.3	328.6	139.4	411.3	- -	- -	- -	- -	1,706.3
2003	157.6	703.0	21.5	143.5	345.3	160.2	442.9	- -	- -	- -	- -	1,974.0
2004	168.2	698.0	22.0	157.4	360.2	169.1	468.5	- -	- -	- -	- -	2,043.4
2005	176.0	778.1	26.4	168.3	386.5	163.6	488.8	- -	- -	- -	- -	2,187.7
2006	160.0	705.6	26.3	176.0	405.8	175.7	474.7	- -	- -	- -	- -	2,124.1
2007	180.6	1,018.3	26.6	184.5	424.9	192.6	517.3	- -	- -	- -	- -	2,544.8
2008	174.5	1,534.2	26.0	195.8	443.1	210.4	536.8	- -	- -	- -	- -	3,120.8
2009	152.0	1,279.8	31.7	178.5	468.1	216.2	609.6	- -	- -	- -	- -	2,935.9
2010	175.0	1,400.2	39.7	198.0	495.3	223.1	663.7	- -	- -	- -	- -	3,195.0
2011	206.6	1,478.4	37.6	214.6	515.0	237.5	695.9	- -	- -	- -	- -	3,385.6
2012	207.7	1,854.5	32.0	291.8	541.3	235.4	671.7	- -	- -	- -	- -	3,834.4
2013	245.8	1,790.8	29.9	297.2	547.8	240.1	633.5	- -	- -	- -	- -	3,785.1

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 8. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 7, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	54.3	50.2	3.4	11.7	2.8	0.9	24.3	0.6	- -	- -	38.8	187.0
1959	53.3	31.0	5.1	10.3	3.0	1.0	27.0	0.5	- -	- -	38.2	169.4
1960	41.6	40.7	6.0	11.6	2.5	0.8	30.7	0.6	- -	- -	37.1	171.6
1961	52.5	14.1	4.5	11.6	2.9	1.0	32.1	0.8	- -	- -	37.4	156.9
1962	47.4	63.7	3.0	10.5	3.2	1.1	40.3	0.9	- -	- -	37.2	207.3
1963	50.7	54.9	3.2	11.7	3.7	1.2	41.3	0.8	- -	- -	37.1	204.6
1964	53.2	52.5	5.6	12.6	4.4	1.5	54.5	1.1	- -	- -	37.9	223.3
1965	62.2	60.7	5.7	12.6	5.5	1.8	46.4	1.3	- -	- -	40.0	236.2
1966	71.6	66.5	4.3	13.5	7.6	2.5	53.1	1.2	4.4	- -	42.0	266.7
1967	73.5	54.6	4.5	15.0	9.2	3.1	50.7	1.8	8.4	- -	43.9	264.7
1968	72.0	61.0	5.0	16.3	11.7	3.9	57.9	2.1	12.3	- -	44.2	286.4
1969	72.5	67.0	6.4	25.9	12.8	4.3	77.3	2.2	11.7	- -	44.8	324.9
1970	76.2	63.4	4.7	23.7	14.5	4.8	83.8	2.9	13.8	- -	45.7	333.5
1971	83.1	64.3	4.2	25.9	15.8	5.3	97.3	3.2	17.5	- -	47.3	363.9
1972	103.4	96.7	4.8	27.2	14.6	4.9	113.1	2.9	21.4	- -	50.2	439.2
1973	131.7	148.4	2.1	38.9	16.0	5.3	130.5	3.7	19.3	- -	56.8	552.7
1974	119.7	156.9	4.4	48.7	15.6	5.2	141.4	4.4	22.4	- -	67.3	586.0
1975	121.7	161.3	13.7	49.0	19.0	6.3	169.2	5.1	20.6	- -	74.2	640.1
1976	139.4	106.1	10.9	74.7	22.7	7.5	173.8	8.2	38.6	- -	80.4	662.3
1977	133.7	73.5	14.0	65.2	24.3	8.0	219.5	9.8	46.3	- -	87.0	681.3
1978	146.8	139.5	13.7	69.7	27.9	9.2	215.4	13.1	65.4	- -	93.5	794.2
1979	196.2	134.2	31.4	83.8	24.9	8.3	278.0	19.5	91.6	- -	143.8	1,011.7
1980	243.9	93.1	33.6	89.9	24.4	8.1	331.2	30.5	120.1	- -	228.8	1,203.6
1981	172.6	211.7	22.6	98.5	27.1	9.0	396.6	36.7	140.8	- -	406.6	1,522.2
1982	182.4	216.6	16.1	84.2	28.3	9.3	320.8	41.2	162.0	- -	374.0	1,434.9
1983	199.8	223.5	23.0	85.8	33.2	11.1	371.6	60.3	196.4	- -	347.9	1,552.6
1984	210.1	209.5	32.1	91.6	29.9	9.9	425.6	75.5	226.3	- -	337.4	1,647.9
1985	212.2	257.2	29.5	93.4	32.1	10.7	418.8	112.9	261.5	- -	313.9	1,742.2
1986	203.4	211.0	27.9	94.0	32.8	10.9	430.0	109.5	261.3	- -	251.1	1,631.9
1987	239.3	185.9	23.5	97.7	35.0	11.7	435.8	103.6	498.6	- -	271.1	1,902.2
1988	266.5	94.9	27.3	104.5	37.1	12.4	446.6	108.2	569.8	- -	276.6	1,943.9
1989	180.0	111.7	22.5	109.7	40.1	13.4	499.2	127.2	535.6	- -	323.2	1,962.6
1990	251.5	126.2	28.9	111.7	44.4	14.8	540.9	123.4	543.6	- -	389.0	2,174.4
1991	214.2	155.6	32.6	116.7	49.1	16.4	555.7	119.1	565.5	- -	349.6	2,174.5
1992	230.1	222.4	39.0	126.0	55.2	18.4	603.8	127.7	623.3	- -	338.8	2,384.7
1993	218.3	286.0	35.7	128.4	67.4	22.5	623.0	136.8	655.7	- -	328.9	2,502.7
1994	194.1	242.8	34.7	145.5	80.9	27.0	682.8	138.9	660.5	- -	311.4	2,518.6
1995	173.3	263.0	43.1	162.2	102.7	34.2	679.8	145.2	649.5	- -	319.4	2,572.4
1996	162.8	297.0	30.6	176.0	134.5	44.8	695.2	151.4	698.5	- -	376.1	2,766.9
1997	187.8	280.5	44.7	193.9	178.9	59.6	786.1	151.5	694.4	- -	363.2	2,940.6

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TABLE 8. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 7, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	175.7	288.5	48.3	210.0	241.5	138.9	718.5	149.7	739.9	- -	321.8	3,032.8
1999	197.9	295.2	57.2	217.7	332.1	169.9	725.9	155.4	735.5	- -	383.7	3,270.5
2000	189.0	311.6	60.2	231.5	358.7	185.9	786.2	154.8	907.2	- -	577.1	3,762.2
2001	219.7	340.3	59.6	236.8	375.3	267.0	864.4	156.1	914.0	- -	529.1	3,962.3
2002	247.6	215.5	72.9	241.8	388.3	279.7	895.0	160.2	933.5	- -	482.3	3,916.8
2003	274.3	299.0	65.7	258.4	408.1	318.9	969.8	165.5	975.7	- -	593.1	4,328.5
2004	289.5	388.9	67.3	283.5	425.6	319.8	1,061.1	182.0	957.4	- -	758.6	4,733.7
2005	304.9	406.2	80.9	303.1	456.7	329.8	1,149.5	191.5	1,298.0	- -	1,030.5	5,551.1
2006	267.1	216.1	80.6	317.0	479.6	342.0	1,145.6	223.9	1,333.8	- -	1,205.1	5,610.8
2007	281.1	468.6	81.6	332.2	502.1	331.8	1,247.4	232.0	1,340.1	- -	1,314.8	6,131.7
2008	274.0	526.5	79.6	352.5	523.7	364.3	1,197.1	258.5	1,558.9	- -	1,702.8	6,837.9
2009	233.2	717.4	97.0	321.5	553.2	372.4	1,355.6	288.5	1,365.1	- -	1,061.4	6,365.3
2010	282.6	730.6	121.5	356.5	585.4	393.3	1,490.9	284.6	1,367.4	28.0	1,318.3	6,959.1
2011	333.5	852.2	115.1	386.4	608.7	398.9	1,596.7	292.6	1,409.3	67.7	1,763.0	7,824.1
2012	321.2	1,006.3	98.1	465.0	639.7	421.3	1,634.5	288.0	1,445.4	146.5	2,083.2	8,549.2
2013	383.3	994.8	91.6	497.0	647.4	427.2	1,574.9	278.0	1,384.5	114.7	2,288.1	8,681.5

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

TABLE 9. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 8, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1958	27.4	40.7	1.0	2.6	1.2	0.4	6.2	0.3	- -	0.8	- -	80.6
1959	27.5	24.5	1.5	2.6	1.3	0.4	7.2	0.3	- -	0.7	- -	66.0
1960	21.3	26.0	1.8	3.2	1.1	0.4	8.2	0.3	- -	1.2	- -	63.5
1961	25.8	18.2	1.3	3.6	1.3	0.4	8.3	0.3	- -	2.3	- -	61.5
1962	23.3	33.6	0.9	3.7	1.4	0.5	8.7	0.4	- -	3.6	- -	76.1
1963	24.7	43.2	0.9	4.6	1.6	0.5	9.5	0.3	- -	4.1	- -	89.4
1964	26.3	29.9	1.6	4.9	1.9	0.6	10.7	0.3	- -	4.0	- -	80.2
1965	30.9	35.4	1.7	4.9	2.4	0.8	11.2	0.2	- -	5.4	- -	92.9
1966	35.2	46.6	1.3	5.3	3.3	1.1	12.1	0.2	- -	8.2	- -	113.3
1967	38.3	49.0	1.3	4.0	4.0	1.3	12.1	0.2	- -	11.0	- -	121.2
1968	38.3	36.0	1.5	6.4	5.1	1.7	13.9	0.3	- -	16.9	- -	120.1
1969	38.6	36.7	2.2	10.2	5.5	1.8	22.3	0.2	- -	14.5	- -	132.0
1970	38.9	42.4	2.0	9.3	6.2	2.1	29.3	0.3	- -	16.9	- -	147.4
1971	43.7	42.5	4.1	10.2	6.8	2.3	23.1	0.3	- -	14.7	- -	147.7
1972	58.2	64.9	1.4	10.7	6.3	2.1	23.9	0.4	- -	15.0	- -	182.9
1973	74.7	113.6	0.4	15.3	6.9	2.3	27.2	0.4	- -	18.1	- -	258.9
1974	70.9	161.0	1.8	19.2	6.8	2.3	29.2	0.5	- -	37.6	- -	329.3
1975	73.3	91.6	1.8	19.3	8.2	2.7	35.7	2.0	- -	45.1	- -	279.7
1976	62.4	83.4	2.5	29.4	9.8	3.3	37.4	7.8	- -	55.6	- -	291.6
1977	75.5	59.4	2.3	25.7	10.5	3.5	43.5	8.4	- -	66.4	- -	295.3
1978	79.6	89.5	7.0	27.4	12.0	4.0	50.1	8.9	- -	80.2	- -	358.7
1979	110.4	84.5	2.5	32.9	10.8	3.6	64.3	12.7	- -	160.8	- -	482.5
1980	124.2	41.6	2.5	35.4	10.6	3.5	88.1	17.6	- -	375.3	- -	698.8
1981	91.0	101.7	4.1	38.8	11.7	3.9	100.9	17.7	- -	890.3	- -	1,260.1
1982	89.4	119.6	2.9	33.1	12.2	4.1	78.8	16.5	- -	820.8	- -	1,177.4
1983	102.3	141.0	4.1	33.8	14.3	4.8	86.8	16.3	- -	746.9	- -	1,150.3
1984	110.6	142.2	5.8	36.0	12.9	4.3	95.9	20.7	- -	651.6	- -	1,080.0
1985	115.3	131.4	5.3	36.8	13.9	4.6	96.2	23.7	- -	555.3	- -	982.5
1986	110.9	120.8	5.0	37.0	14.1	4.7	98.3	17.9	- -	249.4	- -	658.1
1987	130.4	119.8	4.2	38.4	15.1	5.0	100.1	16.5	- -	272.9	- -	702.4
1988	143.5	53.3	4.9	41.1	16.0	5.3	104.9	10.0	- -	192.7	- -	571.7
1989	100.6	187.5	4.1	43.2	17.3	5.8	120.4	17.7	- -	212.0	- -	708.6
1990	133.0	73.4	5.2	43.9	19.2	6.4	132.4	18.7	- -	259.7	- -	691.9
1991	114.1	93.5	5.9	45.9	21.2	7.1	136.0	21.8	- -	236.3	- -	681.8
1992	124.8	146.6	7.0	49.6	23.9	7.9	146.5	19.0	- -	217.7	- -	743.0
1993	116.1	196.3	6.5	50.5	29.1	9.7	151.1	20.2	- -	186.7	- -	766.2
1994	105.7	144.3	6.3	57.2	34.9	11.6	164.2	21.7	- -	162.9	- -	708.8
1995	96.7	172.8	7.8	63.8	44.4	14.8	164.2	20.6	- -	223.0	- -	808.1
1996	95.4	190.8	5.5	69.2	58.1	19.4	169.2	2.3	- -	350.0	- -	959.9
1997	102.9	172.2	8.1	76.3	77.3	25.8	190.0	- -	- -	421.3	- -	1,073.9

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TABLE 9. SALES FOR FINAL DEMAND, BY ECONOMIC SECTOR, NORTH DAKOTA REGION 8, MILLION DOLLARS (CURRENT DOLLARS), 1958-2013 cont.

Year	(1) Ag Lvstk	(2) Ag Crops	(4) Constr	(7) Ag Proc & Misc Mfg	(8) Retail Trade	(10) Bus & Pers Serv	(12) Households	(14) Coal Mining	(15) Coal Conversion	(16) Pet/NG Exp/Ext	(17) Pet Refining	Total
1998	97.6	159.0	8.7	82.6	104.3	46.3	174.5	- -	- -	269.3	- -	942.3
1999	108.7	161.2	10.3	85.7	143.4	59.6	177.1	0.3	- -	340.4	- -	1,086.7
2000	111.4	197.2	10.9	91.0	154.9	64.2	191.7	0.3	- -	503.5	- -	1,325.1
2001	119.7	216.3	10.8	93.1	162.1	72.7	207.6	0.3	- -	380.7	- -	1,263.3
2002	140.3	101.8	13.2	95.1	167.7	75.8	215.0	0.4	- -	391.1	- -	1,200.4
2003	153.4	168.3	11.9	101.7	176.3	77.4	232.3	0.5	- -	443.7	- -	1,365.5
2004	163.2	174.5	12.1	111.5	183.9	80.9	256.6	1.0	- -	638.6	- -	1,622.3
2005	176.9	235.7	14.6	119.2	197.3	86.7	281.2	1.0	- -	1,096.1	- -	2,208.7
2006	164.3	150.6	14.5	124.7	207.1	92.4	283.2	1.5	- -	1,510.1	- -	2,548.4
2007	171.9	299.2	14.7	130.7	216.9	95.7	307.6	1.5	- -	1,860.9	- -	3,099.1
2008	162.7	178.8	14.4	138.6	226.2	99.6	286.5	1.6	- -	2,693.2	- -	3,801.6
2009	136.5	476.1	17.5	126.5	239.0	88.8	321.3	2.0	- -	1,710.0	- -	3,117.7
2010	171.0	434.1	21.9	140.3	252.9	93.8	353.0	1.0	- -	2,553.1	- -	4,021.1
2011	202.5	392.2	20.8	152.0	262.9	98.2	378.3	1.8	- -	3,611.3	- -	5,120.0
2012	202.6	526.3	17.7	169.3	276.3	103.9	393.1	1.5	- -	5,238.8	- -	6,929.5
2013	239.8	640.9	16.6	173.3	279.7	105.5	383.1	1.8	- -	6,328.4	- -	8,169.1

(Note:1998-2013 Bus & Pers Serv Sector includes exportable services component)

APPENDIX C

North Dakota Economic Base by Industrial Category

Table 1. North Dakota's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	----------million current dollars----------								
1990	3,082.8	698.6	685.8	599.9	350.5	- -	5,417.6	2,887.7	8,305.3
1995	3,450.0	1,014.4	815.4	505.9	810.1	- -	6,595.8	3,678.1	10,273.9
2000	3,859.6	1,447.6	1,062.4	1,010.2	2,829.7	381.6	10,591.1	4,037.1	14,628.2
2005	4,789.0	1,895.4	1,490.6	2,104.5	3,603.5	924.7	14,807.7	5,598.3	20,406.0
2009	7,079.9	2,010.6	1,655.6	2,775.1	4,364.4	1,102.6	18,988.2	7,051.0	26,039.2
2010	7,763.9	2,229.8	1,653.0	4,608.8	4,618.4	1,216.7	22,090.6	7,746.8	29,837.4
2011	7,797.8	2,416.7	1,703.7	7,162.2	4,802.3	1,246.7	25,129.4	8,098.9	33,228.3
2012	9,843.2	2,811.8	1,734.9	14,607.1	5,047.2	1,350.6	35,394.8	7,768.7	43,163.5
2013	10,054.2	2,897.4	1,664.8	17,445.3	5,108.0	1,419.8	38,589.5	7,309.4	45,898.9
	----------million constant 2013 dollars----------								
1990	4,915.2	1,113.9	1,093.4	956.5	558.8	- -	8,637.8	4,637.8	13,241.9
1995	4,876.3	1,433.8	1,152.5	715.1	1,145.0	- -	9,322.7	5,198.7	14,521.4
2000	5,023.5	1,884.2	1,382.8	1,314.8	3,683.1	496.7	13,785.1	5,254.6	19,039.7
2005	5,549.2	2,196.3	1,727.2	2,438.6	4,175.6	1,071.5	17,158.4	6,487.0	23,645.4
2009	7,546.3	2,143.0	1,764.7	2,957.9	4,651.9	1,175.2	20,239.0	7,515.4	27,754.4
2010	8,176.8	2,348.4	1,740.9	4,853.9	4,864.1	1,281.4	23,265.5	8,158.8	31,424.3
2011	8,053.9	2,496.1	1,759.7	7,397.4	4,960.0	1,287.7	25,954.8	8,364.9	34,319.7
2012	9,992.1	2,854.3	1,761.2	14,828.0	5,123.6	1,371.0	35,930.2	7,886.2	43,816.4
2013	10,054.2	2,897.4	1,664.8	17,445.3	5,108.0	1,419.8	38,589.5	7,309.4	45,898.9
Percent Change:									
2012-2013	0.6	1.5	-5.5	17.7	-0.3	3.6	7.4	-7.3	4.8
2000-2013	100.1	53.8	20.4	1,226.8	38.7	185.9	179.9	39.1	141.1

Table 2. North Dakota State Region 1's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

	Industry								
Year	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	----------million current dollars----------								
1990	124.7	23.1	0.1	441.0	19.3	- -	608.2	97.1	705.3
1995	181.2	33.6	0.1	260.3	44.5	- -	519.7	123.1	642.8
2000	177.0	47.9	0.1	389.4	155.6	11.3	781.3	133.5	914.8
2005	222.8	62.7	0.1	720.5	198.1	34.8	1,239.0	183.3	1,422.3
2009	291.4	66.5	- -	1,194.6	240.0	38.1	1,830.6	231.1	2,061.7
2010	285.3	73.8	- -	2,503.0	254.0	39.3	3,155.4	254.5	3,409.9
2011	228.1	80.0	- -	5,572.1	264.1	43.8	6,188.1	265.4	6,453.5
2012	369.0	88.0	- -	10,547.2	277.6	44.3	11,326.1	253.9	11,580.0
2013	436.8	90.1	0.5	14,207.0	280.9	46.4	15,061.7	238.4	15,300.1
	----------million constant 2013 dollars----------								
1990	198.8	36.8	0.2	703.1	30.8	- -	969.7	154.8	1,124.5
1995	256.1	47.5	0.2	367.9	62.9	- -	734.6	174.0	908.6
2000	230.4	62.4	0.1	506.8	202.5	14.7	1,016.9	173.8	1,190.7
2005	258.2	72.7	0.1	834.9	229.5	40.3	1,435.7	212.4	1,648.1
2009	310.6	70.9	- -	1,273.3	255.8	40.6	1,951.2	246.3	2,197.5
2010	300.5	77.7	- -	2,636.1	267.5	41.4	3,323.2	268.0	3,591.2
2011	235.6	82.6	- -	5,755.1	272.8	45.2	6,391.3	274.1	6,665.4
2012	374.6	89.3	- -	10,706.7	281.8	45.0	11,497.4	257.7	11,755.1
2013	436.8	90.1	0.5	14,207.0	280.9	46.4	15,061.7	238.4	15,300.1
Percent Change:									
2012-2013	16.6	0.9	- -	32.7	-0.3	3.1	31.0	-7.5	30.2
2000-2013	89.6	44.4	400.0	2,703.3	38.7	215.6	1,381.1	37.2	1,185.0

Table 3. North Dakota State Region 2's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	million current dollars								
1990	369.0	100.5	- -	204.9	54.0	- -	728.4	550.3	1,278.7
1995	475.3	145.9	- -	113.9	124.8	- -	859.9	700.7	1,560.6
2000	413.4	208.2	- -	185.2	435.7	76.3	1,318.8	764.3	2,083.1
2005	642.5	272.6	- -	333.7	554.9	167.2	1,970.9	1,061.3	3,032.2
2009	944.9	289.1	- -	2,723.7	672.1	222.5	4,852.3	1,339.8	6,192.1
2010	917.8	320.6	- -	4,928.6	711.2	226.7	7,104.9	1,471.5	8,576.4
2011	733.9	347.5	- -	6,205.3	739.6	236.3	8,262.6	1,539.3	9,801.9
2012	1,187.4	411.9	- -	8,377.2	777.3	239.1	10,993.4	1,478.0	12,471.4
2013	1,205.5	421.1	- -	9,225.3	786.7	262.9	11,901.5	1,390.0	13,291.5
	million constant 2013 dollars								
1990	588.3	160.2	- -	326.7	86.1	- -	1,161.3	877.4	2,038.7
1995	671.8	206.2	- -	161.0	176.4	- -	1,215.4	990.4	2,205.8
2000	538.1	271.0	- -	241.0	567.1	99.3	1,716.5	994.8	2,711.3
2005	744.5	315.9	- -	386.7	643.0	193.7	2,283.8	1,229.8	3,513.6
2009	1,007.1	308.1	- -	2,903.1	716.4	237.2	5,171.9	1,428.1	6,600.0
2010	966.6	337.7	- -	5,190.7	749.0	238.8	7,482.8	1,549.8	9,032.6
2011	758.0	358.9	- -	6,409.1	763.9	244.1	8,534.0	1,589.9	10,123.9
2012	1,205.9	418.1	- -	8,503.9	789.1	242.7	11,159.7	1,500.4	12,660.1
2013	1,205.5	421.1	- -	9,225.3	786.7	262.9	11,901.5	1,390.0	13,291.5
Percent Change:									
2012-2013	-0.0	0.7	- -	8.5	-0.3	8.3	6.6	-7.4	5.0
2000-2013	124.0	55.4	- -	3,727.9	38.7	164.8	593.4	39.7	390.2

Table 4. North Dakota State Region 3's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	million current dollars								
1990	312.8	25.9	- -	- -	30.2	- -	368.9	293.7	662.6
1995	325.4	37.5	- -	- -	69.6	- -	432.5	374.1	806.6
2000	281.7	53.6	- -	- -	243.3	16.0	594.6	413.3	1,007.9
2005	414.1	70.1	- -	- -	309.9	20.1	814.2	573.5	1,387.7
2009	667.7	74.4	- -	- -	375.3	33.2	1,150.6	722.0	1,872.6
2010	816.1	82.5	- -	- -	397.2	34.1	1,329.9	792.1	2,122.0
2011	877.1	89.4	- -	- -	413.1	26.5	1,406.1	829.0	2,235.1
2012	1,052.8	119.2	- -	- -	434.1	28.6	1,634.7	796.1	2,430.8
2013	1,024.7	121.7	- -	- -	439.3	29.9	1,615.6	748.9	2,364.5
	million constant 2013 dollars								
1990	498.7	41.3	- -	- -	48.2	- -	588.2	468.3	1,056.5
1995	459.9	53.0	- -	- -	98.4	- -	611.3	528.8	1,140.1
2000	366.6	69.8	- -	- -	316.7	20.8	773.9	537.9	1,311.8
2005	479.9	81.2	- -	- -	359.1	23.3	943.5	664.5	1,608.0
2009	711.7	79.3	- -	- -	400.0	35.4	1,226.4	769.6	1,996.0
2010	859.5	86.9	- -	- -	418.3	35.9	1,400.6	834.2	2,234.8
2011	905.9	92.3	- -	- -	426.7	27.4	1,452.3	856.2	2,308.5
2012	1,068.7	121.0	- -	- -	440.7	29.0	1,659.4	808.2	2,467.6
2013	1,024.7	121.7	- -	- -	439.3	29.9	1,615.6	748.9	2,364.5
Percent Change:									
2012-2013									
2000-2013	-4.1	0.6	- -	- -	-0.3	3.1	-2.6	-7.3	-4.2
	179.5	74.4	- -	- -	38.7	43.8	108.8	39.2	80.2

Table 5. North Dakota State Region 4's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	million current dollars								
1990	452.0	129.7	- -	- -	48.0	- -	629.7	557.1	1,186.8
1995	520.2	188.4	- -	- -	110.9	- -	819.5	711.5	1,531.0
2000	633.7	268.8	- -	- -	387.7	10.2	1,300.4	782.8	2,083.2
2005	549.0	352.0	- -	- -	493.7	51.7	1,446.4	1,091.3	2,537.7
2009	851.8	373.4	- -	- -	597.9	54.6	1,877.7	1,378.7	3,256.4
2010	950.8	414.1	- -	- -	632.7	52.9	2,050.5	1,512.3	3,562.8
2011	1,077.1	448.8	- -	- -	657.9	54.4	2,238.2	1,584.3	3,822.5
2012	1,152.1	493.7	- -	- -	691.5	61.5	2,398.8	1,522.3	3,921.1
2013	1,183.9	505.6	- -	- -	699.8	59.6	2,448.9	1,432.0	3,880.9
	million constant 2013 dollars								
1990	720.7	206.8	- -	- -	76.5	- -	1,004.0	888.2	1,892.2
1995	735.3	266.3	- -	- -	156.7	- -	1,158.3	1,005.7	2,164.0
2000	824.8	349.9	- -	- -	504.6	13.3	1,692.6	1,018.9	2,711.5
2005	636.1	407.9	- -	- -	572.1	59.9	1,676.0	1,264.5	2,940.5
2009	907.9	398.0	- -	- -	637.3	58.2	2,001.4	1,469.5	3,470.9
2010	1,001.4	436.1	- -	- -	666.4	55.7	2,159.6	1,592.7	3,752.3
2011	1,112.5	463.5	- -	- -	679.5	56.2	2,311.7	1,636.3	3,948.0
2012	1,169.5	501.2	- -	- -	702.0	62.4	2,435.1	1,545.3	3,980.4
2013	1,183.9	505.6	- -	- -	699.8	59.6	2,448.9	1,432.0	3,880.9
Percent Change:									
2012-2013	1.2	0.9	- -	- -	-0.3	4.5	0.6	-7.3	-2.5
2000-2013	43.5	44.5	- -	- -	38.7	348.1	44.7	40.5	43.1

Table 6. North Dakota State Region 5's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	million current dollars								
1990	617.0	201.8	- -	- -	64.1	- -	882.9	445.0	1,327.9
1995	641.5	292.9	- -	- -	148.3	- -	1,082.7	569.2	1,651.9
2000	857.8	418.1	- -	- -	517.9	166.1	1,959.9	628.3	2,588.2
2005	882.8	547.4	- -	- -	659.5	417.7	2,507.4	875.5	3,382.9
2009	1,329.1	580.7	- -	- -	798.7	496.9	3,205.4	1,105.5	4,310.9
2010	1,600.4	644.0	- -	- -	845.2	598.0	3,687.6	1,214.5	4,902.1
2011	1,416.2	698.0	- -	- -	878.8	613.3	3,606.3	1,272.6	4,878.9
2012	1,962.8	772.9	- -	- -	923.6	702.3	4,361.6	1,222.4	5,584.0
2013	1,907.9	791.4	- -	- -	934.8	739.8	4,373.9	1,151.6	5,525.5
	million constant 2013 dollars								
1990	983.7	321.8	- -	- -	102.2	- -	1,107.7	709.5	2,117.2
1995	906.7	414.0	- -	- -	209.6	- -	1,530.3	804.5	2,334.8
2000	1,116.5	544.2	- -	- -	674.1	216.2	2,551.0	817.8	3,368.8
2005	1,002.9	634.3	- -	- -	764.2	484.0	2,905.4	1,014.5	3,919.9
2009	1,416.7	619.0	- -	- -	851.3	529.6	3,416.6	1,178.3	4,594.9
2010	1,685.5	678.3	- -	- -	890.1	629.8	3,883.7	1,279.1	5,162.8
2011	1,462.7	720.9	- -	- -	907.7	633.4	3,724.7	1,314.4	5,039.1
2012	1,992.5	784.6	- -	- -	937.6	712.9	4,427.6	1,240.9	5,668.5
2013	1,907.9	791.4	- -	- -	934.8	739.8	4,373.9	1,151.6	5,525.5
Percent Change:									
2012-2013	-4.2	0.9	- -	- -	-0.3	3.8	-1.2	-7.2	-2.5
2000-2013	70.9	45.4	- -	- -	38.7	242.2	71.5	40.8	64.0

Table 7. North Dakota State Region 6's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	million current dollars								
1990	623.2	62.0	- -	- -	50.1	- -	735.3	268.7	1,004.0
1995	600.6	90.1	- -	- -	115.9	- -	806.6	339.0	1,145.6
2000	686.8	128.5	- -	- -	404.7	22.8	1,242.8	375.3	1,618.1
2005	954.1	168.3	- -	- -	515.3	34.8	1,672.5	515.2	2,187.7
2009	1,431.8	178.5	- -	- -	624.1	60.2	2,294.6	641.3	2,935.9
2010	1,575.2	198.0	- -	- -	660.4	58.0	2,491.6	703.4	3,195.0
2011	1,685.0	214.6	- -	- -	686.7	65.8	2,652.1	733.5	3,385.6
2012	2,062.2	291.8	- -	- -	721.7	55.0	3,130.7	703.7	3,834.4
2013	2,036.6	297.2	- -	- -	730.4	57.5	3,121.7	663.4	3,785.1
	million constant 2013 dollars								
1990	993.6	98.9	- -	- -	79.9	- -	1,172.4	428.4	1,600.8
1995	848.9	127.4	- -	- -	163.8	- -	1,140.1	479.1	1,619.2
2000	893.9	167.3	- -	- -	526.7	29.7	1,617.6	488.5	2,106.1
2005	1,105.6	195.0	- -	- -	597.1	40.3	1,938.0	597.0	2,535.0
2009	1,526.1	190.3	- -	- -	665.2	64.2	2,445.8	683.5	3,129.3
2010	1,659.0	208.5	- -	- -	695.5	61.1	2,624.1	740.8	3,364.9
2011	1,740.3	221.6	- -	- -	709.3	68.0	2,739.2	757.6	3,496.8
2012	2,093.4	296.2	- -	- -	732.6	55.9	3,178.1	714.3	3,892.4
2013	2,036.6	297.2	- -	- -	730.4	57.5	3,121.7	663.4	3,785.1
Percent Change:									
2012-2013	-2.7	0.3	- -	- -	-0.3	2.9	-1.8	-2.8	-2.8
2000-2013	127.8	77.7	- -	- -	38.7	93.6	93.0	35.8	79.7

Table 8. North Dakota State Region 7's Economic Base, by Industrial Categories, Selected Years, 1990 – 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	----------million current dollars----------								
1990	377.7	111.7	667.0	412.9	59.2	- -	1,628.5	545.9	2,174.4
1995	436.3	162.2	794.7	345.3	136.9	- -	1,875.4	697.0	2,572.4
2000	500.6	231.5	1,062.0	659.3	478.3	66.3	2,998.0	764.2	3,762.2
2005	711.1	303.1	1,489.5	1,201.7	609.0	177.5	4,491.9	1,059.2	5,551.1
2009	950.6	321.5	1,653.6	1,180.8	737.6	188.0	5,032.1	1,333.2	6,365.3
2010	1,013.2	356.5	1,652.0	1,488.8	780.5	198.2	5,489.2	1,469.9	6,959.1
2011	1,185.7	386.4	1,701.9	2,009.6	811.6	196.0	6,291.2	1,532.9	7,824.1
2012	1,327.5	465.0	1,733.4	2,497.0	853.0	208.0	7,083.9	1,465.3	8,549.2
2013	1,378.1	497.0	1,662.5	2,691.7	863.2	211.4	7,303.9	1,377.6	8,681.5
	----------million constant 2013 dollars----------								
1990	602.2	178.1	1,063.5	658.3	94.4	- -	2,596.5	870.4	3,466.9
1995	616.7	229.3	1,123.2	488.0	193.5	- -	2,650.7	985.2	3,635.9
2000	651.6	301.3	1,382.3	858.1	622.5	86.3	3,902.1	994.7	4,896.8
2005	824.0	351.2	1,726.0	1,392.5	705.7	205.7	5,205.0	1,227.3	6,432.3
2009	1,013.2	342.7	1,762.5	1,258.6	786.2	200.4	5,363.6	1,421.0	6,784.6
2010	1,067.1	375.4	1,739.9	1,568.0	822.0	208.7	5,781.1	1,548.1	7,329.2
2011	1,224.6	399.1	1,757.8	2,075.6	838.3	202.4	6,497.8	1,583.3	8,081.1
2012	1,347.6	472.0	1,759.6	2,534.8	865.9	211.1	7,191.0	1,487.5	8,678.5
2013	1,378.1	497.0	1,662.5	2,691.7	863.2	211.4	7,303.9	1,377.6	8,681.5
Percent Change:									
2012-2013	2.3	5.3	-5.5	6.2	-0.3	0.1	1.6	-7.4	0.0
2000-2013	111.5	65.0	20.3	213.7	38.7	145.0	87.2	38.5	77.3

Table 9. North Dakota State Region 8's Economic Base, by Industrial Categories, Selected Years, 1990 - 2013

Year	Industry								
	Agriculture	Manufacturing	Coal Mining & Conversion	Oil/NG Exp., Ext. & Refining	Tourism	Exported Services	All Primary Industries	Federal Payments	Total
	----------million current dollars----------								
1990	206.4	43.9	18.7	267.4	25.6	- -	562.0	129.9	691.9
1995	269.5	63.8	20.6	231.5	59.2	- -	644.6	163.5	808.1
2000	308.6	91.0	0.3	530.7	206.5	12.6	1,149.7	175.4	1,325.1
2005	412.6	119.2	1.0	1,152.9	263.1	20.9	1,969.7	239.0	2,208.7
2009	612.6	126.5	2.0	1,749.4	318.7	9.1	2,818.3	299.4	3,117.7
2010	605.1	140.3	1.0	2,599.4	337.2	9.5	3,692.5	328.6	4,021.1
2011	594.7	152.0	1.8	3,668.5	350.5	10.6	4,778.1	341.9	5,120.0
2012	728.9	169.3	1.5	5,322.6	368.4	11.8	6,602.5	327.0	6,929.5
2013	880.7	173.3	1.8	6,420.6	372.9	12.3	7,861.6	307.5	8,169.1
	----------million constant 2013 dollars----------								
1990	329.1	70.0	29.8	426.4	40.8	- -	896.1	207.1	1,103.2
1995	380.9	90.2	29.1	327.2	83.7	- -	911.1	231.1	1,142.2
2000	401.7	118.4	0.4	690.7	268.8	16.4	1,496.4	228.3	1,724.7
2005	478.1	138.1	1.2	1,335.9	304.9	24.2	2,282.4	276.9	2,559.3
2009	653.0	134.8	2.1	1,864.7	339.7	9.7	3004.0	319.1	3,323.1
2010	637.3	147.8	1.1	2,737.6	355.1	10.0	3,888.9	346.1	4,235.0
2011	614.2	157.0	1.9	3,789.0	362.0	11.0	4,935.1	353.1	5,288.2
2012	739.9	171.9	1.5	5,403.1	374.0	12.0	6,702.4	331.9	7,034.3
2013	880.7	173.3	1.8	6,420.6	372.9	12.3	7,861.6	307.5	8,169.1
Percent Change:									
2012-1213	19.0	0.8	20.0	18.8	-0.3	2.5	17.3	-7.4	16.1
2000-2013	119.2	46.4	350.0	829.6	38.7	-25.0	425.4	34.7	373.7