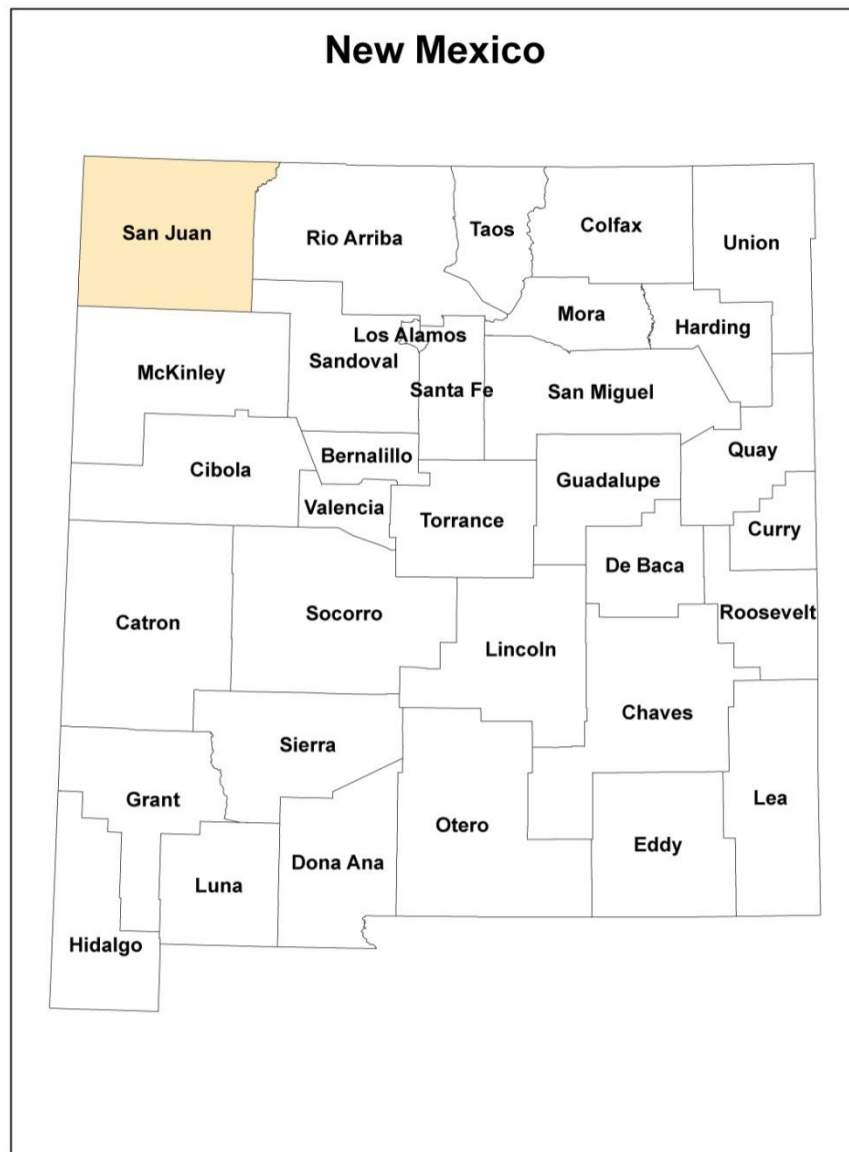




The Economic Base of San Juan County, NM

**PREPARED BY: The Office of Policy Analysis at Arrowhead Center,
New Mexico State University**

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Introduction

This report is one of 35 economic base studies prepared by the Office of Policy Analysis at New Mexico State University's (NMSU) Arrowhead Center. Of the 35 reports, 33 describe the economic base of New Mexico's counties. There are separate reports for the State of New Mexico and for the Albuquerque Metropolitan Statistical Area (MSA). New Mexico has three additional MSAs (Las Cruces, Santa Fe, and Farmington), all of which are single county MSAs; separate reports for these MSAs were not prepared. All 35 reports may be found at <http://arrowheadcenter.nmsu.edu/economic-and-policy-studies/>.

The reports have been prepared under the direction of James Peach, Director of the Office of Policy Analysis. Leonardo Delgado and Noel Martinez, graduate students in the NMSU Doctorate in Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

An economic base study is a descriptive tool used to analyze the composition of local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

- Understand regional economic growth
- Make short and long term forecasts
- Identify potential growth sectors
- Identify potential problem areas

According to economic base theory, any local economy may be divided into basic and non-basic industries. This theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local, (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent

of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

$$LQ = \frac{(\text{Employment in industry } j \text{ in NM} / \text{total employment in NM})}{(\text{Employment in industry } j \text{ in US} / \text{total employment in US})}$$

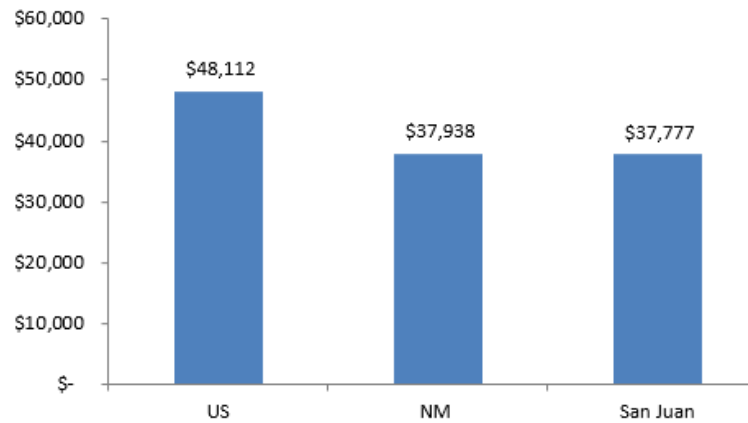
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, an LQ of less than 1.0 indicates that the industry of note employs fewer workers locally as compared to the state or national average. For additional information on LQs, see <http://arrowheadcenter.nmsu.edu/wp-content/uploads/2015/06/WhatisaLocationQuotient.pdf>.

In this report, LQs are calculated for industries within San Juan County with the national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as the benchmark are included (see Table 2). In this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data was available and for the four preceding years (2011-2015). The data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

San Juan County, New Mexico

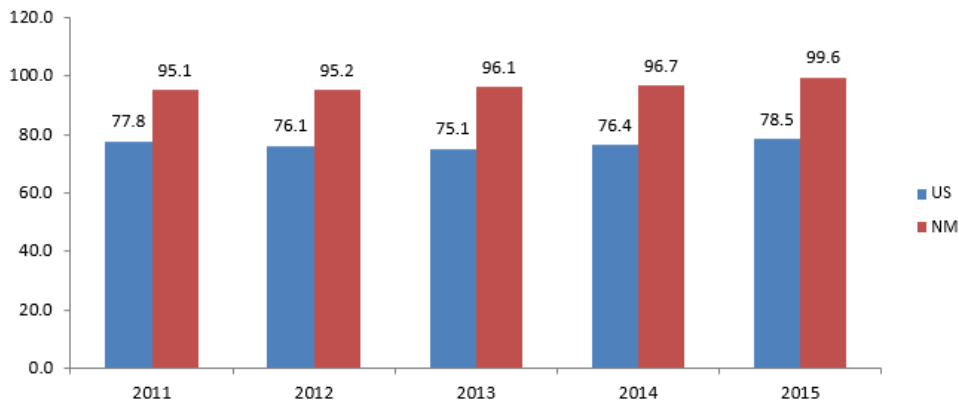
San Juan County is located in the northwestern corner of New Mexico and contains 5,513.07 square miles, or 4.54 percent of the land area in New Mexico. In 2015, the population of San Juan County was 118,737, equivalent to 5.7 percent of the state total population and ranked 5th among New Mexico's counties in terms of population. In 2015, the City of Farmington had a population of 42,850 representing 36.0 percent of the population of the county. Between 2011 and 2015, the population for San Juan County decreased by 7.25 percent, while New Mexico's population increased .33 percent and the nation's population increased by 3.11 percent during the same period.

Figure 1. Per Capita Personal Income: San Juan County (2015)



In 2015, per capita personal income for San Juan County was \$37,777, ranking 11th in the state (See Figure 1). Per capita personal income for San Juan County was 99.6 percent of the state average (\$37,938) and 78.5 percent of the national average (\$48,112) (See Figure 2). Between 2011 and 2015, San Juan County experienced a 14.36 percent growth rate in per capita income, higher than New Mexico (9.24 percent) and the nation (13.33 percent).

Figure 2 : Per Capita Income of San Juan County as Percent of U.S. and New Mexico 2011-2015



In 2015, total employment in San Juan County was 65,503. Between 2011 and 2015, total employment in San Juan County increased by 3.14 percent compared to the employment growth of 2.88 percent and 7.89 percent occurring at the state and national level respectively. The San Juan County employment to population ratio was 0.55, while New Mexico's employment to population ratio was 0.53 and the nation's ratio in 2015 was 0.59.

In 2015, 78.21 percent of all employment in San Juan County was in the Private sector, while 17.76 percent of employment was in Government and government enterprises, and Farm employment was 4.03 percent of total employment. Local government was the largest employer in the public sector with a 14.33 percent of total employment, while Federal/civilian accounted for 2.28 percent of

employment. Military and state government represented small percentages of the total with 0.47 and 0.69 percent, respectively. In the private sector, the industries with the highest percentages of total employment included: Retail trade (11.43), Mining (11.92), Health care and Social assistance (11.28), and Construction (7.21). San Juan County employment by sector is displayed in Table 3.

Basic and Non-Basic Industries in San Juan County, New Mexico

Table 1 contains LQs for San Juan County from 2011 to 2015 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for San Juan County from 2011 to 2015 calculated with respect to the state of New Mexico. For the purposes of this report, an LQ greater than 1.0 with respect to the U.S. employment is considered a basic industry. Sectors with LQs greater than 1.0 have been shaded.

The high importance that the Mining sector represents to the economic base of San Juan County may be observed through a LQ of 15.07 for 2015 and with LQs exceeding 14.36 in all years considered. These LQs are reflective of the prevalence of oil and gas mining, especially in and around the City of Farmington. In 2016, San Juan County was ranked 3rd in oil production and 2nd in gas production (Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, 2016)

Utilities are also to be considered a basic economic activity in San Juan County, with an LQ of 4.25 in 2015 and LQs exceeding 4.25 in all years considered. The large LQs are also directly linked to the importance of oil and gas production. Additionally, the Four Corners Power Plant located in the town of Fruitland within San Juan County is one of the largest coal-fired generating stations in the United States. Retail trade, with an LQ of 1.14 is also considered a basic industry in San Juan County. The Accommodation and food services sector has a large employment base due to the tourism activities around Farmington, including Aztec Ruins National Monument and Navajo Lake State Park, as well as other outdoor recreation areas, however the LQ for 2015 was 1.01 and will be considered a basic industry. The Agricultural sector through Farm employment is also considered a basic industry with an LQ of 2.90 for 2015. Construction also had an LQ larger than 1.0; however, given that the industry is providing support to previously mentioned basic industries, the construction industry is considered as non-basic or support industry.

For the public sector, the entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. In 2015 the government sectors with LQs higher than 1.0 were Local government and Federal/civilian employment. Federal/civilian employment had an LQ of 1.54 in 2015 and LQs exceeding 1.52 in all years considered. These large LQs reflect the employment base of the Navajo Indian Irrigation Project Office, based in

Farmington and the U.S. Indian Health Service, located in the town of Huerfano. Federal civilian employment is to be considered a basic economic activity. Local government had an LQ of 1.94 in 2015; however, given that services provided by the local government including employment are based from local taxpayers, this is to be considered a non-basic economic sector.

The data and analysis for 2015 suggest that the following industries are considered basic industries in San Juan County:

1. Mining, accounted for 7,807 jobs.
2. Utilities, accounted for 862 jobs.
3. Retail trade, accounted for 7,487 jobs.
4. Farm employment, accounted for 2,641 jobs.
5. Federal/civilian employment, accounted for 1,491 jobs.
6. Accommodation and food services, accounted for 4,862 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment by total employment in the basic sectors. In San Juan County, the multiplier is equal to 2.6 (65,503/ 25,150). This ratio suggests that any additional basic sector job in San Juan County would be associated with additional 2.6 non-basic sector jobs. In the case of San Juan County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation. In general terms, this employment multiplier is not to be compared to employment multipliers included in economic impact analysis tools including RIMS, REMI, and IMPLAN.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The development of a community economic development plan is to include the appropriate combination of policies, which often result from public and private sector interaction.

Summary of Changes from Prior Years

This document has been revised to reflect data figures obtained from the BEA for economic data and the U.S. Census for population data. Between 2014 and 2015, the population of San Juan decreased by 4.24 percent, from a total population of 123,990 in 2014 to 118,737 in 2015. The per capita income in San Juan County increased by 6.55 percent between 2014 and 2015 (from \$35,454 to \$37,777).

Tables 1 to 10 appear on pages 6-15

| Table 1: Location Quotients for San Juan County (US Base) 2011-2015 | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| US Base | 2011 | 2012 | 2013 | 2014 | 2015 |
| By type | | | | | |
| Wage and salary employment | 1.03 | 1.04 | 1.04 | 1.05 | 1.05 |
| Proprietors employment | 0.88 | 0.87 | 0.84 | 0.83 | 0.84 |
| Farm proprietors employment | 3.29 | 3.53 | 3.58 | 3.55 | 3.65 |
| Nonfarm proprietors employment | 0.76 | 0.74 | 0.71 | 0.70 | 0.71 |
| By industry | | | | | |
| Farm employment | 2.63 | 2.83 | 2.90 | 2.81 | 2.90 |
| Nonfarm employment | 0.98 | 0.97 | 0.97 | 0.97 | 0.97 |
| Private nonfarm employment | 0.93 | 0.92 | 0.91 | 0.91 | 0.91 |
| Forestry, fishing, and related activities | 0.87 | N/A | N/A | N/A | N/A |
| Mining | 16.72 | 14.59 | 14.36 | 15.28 | 15.07 |
| Utilities | 4.96 | 4.89 | 4.80 | 4.53 | 4.25 |
| Construction | 1.39 | 1.38 | 1.34 | 1.32 | 1.38 |
| Manufacturing | 0.44 | 0.43 | 0.40 | 0.36 | 0.35 |
| Wholesale trade | 0.89 | 0.92 | 0.95 | 0.95 | 0.91 |
| Retail trade | 1.14 | 1.13 | 1.11 | 1.12 | 1.14 |
| Transportation and warehousing | 0.79 | 0.82 | 0.82 | 0.81 | 0.80 |
| Information | 0.33 | N/A | 0.30 | 0.31 | N/A |
| Finance and insurance | 0.40 | 0.40 | 0.40 | 0.42 | 0.43 |
| Real estate and rental and leasing | 0.71 | 0.68 | 0.69 | 0.71 | 0.74 |
| Professional, scientific, and technical services | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| Management of companies and enterprises | 0.31 | 0.33 | 0.35 | 0.35 | 0.37 |
| Administrative and waste management services | 0.46 | 0.45 | 0.44 | 0.43 | 0.43 |
| Educational services | 0.48 | 0.43 | 0.41 | 0.38 | 0.39 |
| Health care and social assistance | 0.99 | 0.96 | 0.98 | 0.98 | 1.01 |
| Arts, entertainment, and recreation | 0.71 | 0.66 | N/A | N/A | 0.60 |
| Accommodation and food services | 0.99 | 0.93 | 0.92 | 0.97 | 1.01 |
| Other services, except public administration | 0.87 | 0.84 | 0.82 | 0.80 | 0.81 |
| Government and government enterprises | 1.28 | 1.33 | 1.38 | 1.38 | 1.40 |
| Federal, civilian | 1.52 | 1.56 | 1.55 | 1.52 | 1.54 |
| Military | 0.48 | 0.48 | 0.48 | 0.46 | 0.46 |
| State and local | 1.33 | 1.39 | 1.45 | 1.46 | 1.47 |
| State government | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 |
| Local government | 1.74 | 1.82 | 1.90 | 1.91 | 1.94 |
| Total employment | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 2: Location Quotients for San Juan County (NM Base) 2011-2015

| NM Based | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|-------------|-------------|-------------|-------------|-------------|
| By type | | | | | |
| Wage and salary employment | 1.02 | 1.03 | 1.03 | 1.04 | 1.04 |
| Proprietors employment | 0.92 | 0.90 | 0.88 | 0.87 | 0.87 |
| Farm proprietors employment | 1.80 | 1.81 | 1.82 | 1.78 | 1.80 |
| Nonfarm proprietors employment | 0.83 | 0.80 | 0.78 | 0.77 | 0.78 |
| By industry | | | | | |
| Farm employment | 1.54 | 1.56 | 1.55 | 1.54 | 1.54 |
| Nonfarm employment | 0.99 | 0.98 | 0.98 | 0.99 | 0.99 |
| Private nonfarm employment | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 |
| Forestry, fishing, and related activities | 0.86 | N/A | N/A | N/A | N/A |
| Mining | 4.43 | 3.94 | 3.69 | 3.71 | 3.64 |
| Utilities | 3.79 | 3.67 | 3.51 | 3.33 | 3.15 |
| Construction | 1.24 | 1.27 | 1.23 | 1.23 | 1.30 |
| Manufacturing | 0.92 | 0.91 | 0.84 | 0.80 | 0.78 |
| Wholesale trade | 1.25 | 1.30 | 1.33 | 1.32 | 1.25 |
| Retail trade | 1.11 | 1.08 | 1.07 | 1.07 | 1.08 |
| Transportation and warehousing | 1.12 | 1.14 | 1.15 | 1.15 | 1.15 |
| Information | 0.39 | N/A | 0.37 | 0.38 | N/A |
| Finance and insurance | 0.65 | 0.66 | 0.67 | 0.67 | 0.68 |
| Real estate and rental and leasing | 0.85 | 0.83 | 0.85 | 0.89 | 0.91 |
| Professional, scientific, and technical services | 0.36 | 0.36 | 0.37 | 0.37 | 0.38 |
| Management of companies and enterprises | 0.71 | 0.78 | 0.84 | 0.86 | 0.89 |
| Administrative and waste management services | 0.55 | 0.55 | 0.54 | 0.54 | 0.54 |
| Educational services | 0.74 | 0.67 | 0.64 | 0.60 | 0.59 |
| Health care and social assistance | 0.95 | 0.93 | 0.95 | 0.95 | 0.95 |
| Arts, entertainment, and recreation | 0.72 | 0.66 | N/A | N/A | 0.59 |
| Accommodation and food services | 0.89 | 0.84 | 0.84 | 0.86 | 0.90 |
| Other services, except public administration | 0.97 | 0.96 | 0.94 | 0.92 | 0.92 |
| Government and government enterprises | 0.88 | 0.90 | 0.93 | 0.92 | 0.93 |
| Federal, civilian | 0.82 | 0.84 | 0.85 | 0.84 | 0.85 |
| Military | 0.33 | 0.32 | 0.32 | 0.30 | 0.30 |
| State and local | 0.95 | 0.98 | 1.01 | 1.00 | 1.01 |
| State government | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| Local government | 1.40 | 1.44 | 1.50 | 1.50 | 1.52 |
| Total employment | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| <i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i> | | | | | |

| Table 3: San Juan County Total Employment by Industry 2015 | | |
|---|-------------------|------------------------------------|
| | Total Jobs | Percent of Total Employment |
| By type | | |
| Wage and salary employment | 53,214 | 81.24 |
| Proprietors employment | 12,289 | 18.76 |
| Farm proprietors employment | 2,292 | 3.50 |
| Nonfarm proprietors employment | 9,997 | 15.26 |
| By industry | | |
| Farm employment | 2,641 | 4.03 |
| Nonfarm employment | 62,862 | 95.97 |
| Private nonfarm employment | 51,227 | 78.21 |
| Forestry, fishing, and related activities | (D) | N/A |
| Mining | 7,807 | 11.92 |
| Utilities | 862 | 1.32 |
| Construction | 4,722 | 7.21 |
| Manufacturing | 1,586 | 2.42 |
| Wholesale trade | 2,129 | 3.25 |
| Retail trade | 7,487 | 11.43 |
| Transportation and warehousing | 1,817 | 2.77 |
| Information | (D) | N/A |
| Finance and insurance | 1,415 | 2.16 |
| Real estate and rental and leasing | 2,211 | 3.38 |
| Professional, scientific, and technical services | 1,754 | 2.68 |
| Management of companies and enterprises | 308 | 0.47 |
| Administrative and waste management services | 1,762 | 2.69 |
| Educational services | 624 | 0.95 |
| Health care and social assistance | 7,392 | 11.28 |
| Arts, entertainment, and recreation | 884 | 1.35 |
| Accommodation and food services | 4,862 | 7.42 |
| Other services, except public administration | 3,060 | 4.67 |
| Government and government enterprises | 11,635 | 17.76 |
| Federal, civilian | 1,491 | 2.28 |
| Military | 308 | 0.47 |
| State and local | 9,836 | 15.02 |
| State government | 451 | 0.69 |
| Local government | 9,385 | 14.33 |
| Total employment | 65,503 | 100.00 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

| Table 4: San Juan County Employment by Industry 2011-2015 | | | | | |
|---|---------------|---------------|---------------|---------------|---------------|
| Number of jobs by industry | 2011 | 2012 | 2013 | 2014 | 2015 |
| By type | | | | | |
| Wage and salary employment | 51,062 | 52,134 | 52,506 | 53,311 | 53,214 |
| Proprietors employment | 12,449 | 12,377 | 12,050 | 11,991 | 12,289 |
| Farm proprietors employment | 2,222 | 2,346 | 2,354 | 2,294 | 2,292 |
| Nonfarm proprietors employment 2/ | 10,227 | 10,031 | 9,696 | 9,697 | 9,997 |
| By industry | | | | | |
| Farm employment | 2,502 | 2,670 | 2,713 | 2,611 | 2,641 |
| Nonfarm employment | 61,009 | 61,841 | 61,843 | 62,691 | 62,862 |
| Private nonfarm employment | 49,813 | 50,299 | 50,121 | 51,035 | 51,227 |
| Forestry, fishing, and related activities | 270 | (D) | (D) | (D) | (D) |
| Mining | 7,492 | 8,151 | 8,161 | 8,540 | 7,807 |
| Utilities | 1,029 | 1,017 | 983 | 923 | 862 |
| Construction | 4,385 | 4,452 | 4,375 | 4,427 | 4,722 |
| Manufacturing | 1,966 | 1,958 | 1,790 | 1,642 | 1,586 |
| Wholesale trade | 1,976 | 2,077 | 2,127 | 2,191 | 2,129 |
| Retail trade | 7,368 | 7,332 | 7,252 | 7,386 | 7,487 |
| Transportation and warehousing | 1,626 | 1,743 | 1,757 | 1,788 | 1,817 |
| Information | 380 | (D) | 352 | 356 | (D) |
| Finance and insurance | 1,391 | 1,405 | 1,399 | 1,403 | 1,415 |
| Real estate and rental and leasing | 2,019 | 1,924 | 1,970 | 2,104 | 2,211 |
| Professional, scientific, and technical services | 1,660 | 1,657 | 1,686 | 1,699 | 1,754 |
| Management of companies and enterprises | 233 | 257 | 277 | 291 | 308 |
| Administrative and waste management services | 1,794 | 1,771 | 1,756 | 1,768 | 1,762 |
| Educational services | 719 | 650 | 633 | 604 | 624 |
| Health care and social assistance | 6,916 | 6,921 | 7,093 | 7,136 | 7,392 |
| Arts, entertainment, and recreation | 995 | 944 | (D) | (D) | 884 |
| Accommodation and food services | 4,395 | 4,241 | 4,289 | 4,601 | 4,862 |
| Other services, except public administration | 3,199 | 3,161 | 3,066 | 3,071 | 3,060 |
| Government and government enterprises | 11,196 | 11,542 | 11,722 | 11,656 | 11,635 |
| Federal, civilian | 1,602 | 1,613 | 1,545 | 1,494 | 1,491 |
| Military | 357 | 354 | 348 | 319 | 308 |
| State and local | 9,237 | 9,575 | 9,829 | 9,843 | 9,836 |
| State government | 457 | 452 | 457 | 462 | 451 |
| Local government | 8,780 | 9,123 | 9,372 | 9,381 | 9,385 |
| Total employment | 63,511 | 64,511 | 64,556 | 65,302 | 65,503 |
| Source: Bureau of Economic Analysis at www.bea.gov , table CA25N | | | | | |

| Table 5: New Mexico Employment by Industry 2011-2015 | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|
| Number of jobs by industry | 2011 | 2012 | 2013 | 2014 | 2015 |
| By type | | | | | |
| Wage and salary employment | 837,281 | 839,789 | 846,896 | 852,861 | 859,738 |
| Proprietors employment | 228,010 | 227,968 | 228,971 | 229,416 | 236,211 |
| Farm proprietors employment | 20,715 | 21,436 | 21,547 | 21,322 | 21,311 |
| Nonfarm proprietors employment | 207,295 | 206,532 | 207,424 | 208,094 | 214,900 |
| By industry | | | | | |
| Farm employment | 27,323 | 28,370 | 29,218 | 28,111 | 28,772 |
| Nonfarm employment | 1,037,968 | 1,039,387 | 1,046,649 | 1,054,166 | 1,067,177 |
| Private nonfarm employment | 824,157 | 827,488 | 835,812 | 844,809 | 858,620 |
| Forestry, fishing, and related activities | 5,237 | 5,138 | 5,247 | 5,682 | 5,884 |
| Mining | 28,362 | 34,232 | 36,831 | 38,198 | 35,898 |
| Utilities | 4,554 | 4,583 | 4,667 | 4,591 | 4,573 |
| Construction | 59,382 | 58,032 | 59,248 | 59,713 | 60,555 |
| Manufacturing | 35,750 | 35,771 | 35,469 | 34,032 | 34,076 |
| Wholesale trade | 26,513 | 26,486 | 26,694 | 27,496 | 28,567 |
| Retail trade | 111,583 | 111,908 | 112,808 | 114,086 | 115,724 |
| Transportation and warehousing | 24,333 | 25,361 | 25,505 | 25,846 | 26,447 |
| Information | 16,508 | 16,473 | 16,059 | 15,723 | 16,006 |
| Finance and insurance | 35,632 | 35,138 | 34,903 | 34,602 | 34,612 |
| Real estate and rental and leasing | 39,760 | 38,275 | 38,513 | 39,253 | 40,479 |
| Professional, scientific, and technical services | 77,591 | 76,152 | 75,940 | 76,094 | 77,546 |
| Management of companies and enterprises | 5,491 | 5,449 | 5,503 | 5,632 | 5,814 |
| Administrative and waste management services | 54,746 | 53,440 | 54,622 | 54,418 | 54,184 |
| Educational services | 16,280 | 16,152 | 16,404 | 16,716 | 17,553 |
| Health care and social assistance | 121,675 | 123,264 | 123,782 | 124,943 | 129,672 |
| Arts, entertainment, and recreation | 23,142 | 23,722 | 23,743 | 24,052 | 24,885 |
| Accommodation and food services | 82,391 | 83,232 | 85,532 | 88,375 | 90,601 |
| Other services, except public administration | 55,227 | 54,680 | 54,342 | 55,357 | 55,544 |
| Government and government enterprises | 213,811 | 211,899 | 210,837 | 209,357 | 208,557 |
| Federal, civilian | 32,611 | 31,631 | 30,389 | 29,462 | 29,200 |
| Military | 18,057 | 18,178 | 18,350 | 17,518 | 16,917 |
| State and local | 163,143 | 162,090 | 162,098 | 162,377 | 162,440 |
| State government | 58,306 | 57,523 | 57,763 | 58,753 | 58,916 |
| Local government | 104,837 | 104,567 | 104,335 | 103,624 | 103,524 |
| Total employment | 1,065,291 | 1,067,757 | 1,075,867 | 1,082,277 | 1,095,949 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 6: United States Employment by Industry 2011-2015

| Number of jobs by industry | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| By type | | | | | |
| Wage and salary employment | 137,105,000 | 139,721,000 | 142,015,000 | 144,811,000 | 147,634,000 |
| Proprietors employment | 39,173,700 | 39,360,700 | 40,393,100 | 41,357,100 | 42,561,400 |
| Farm proprietors employment | 1,876,000 | 1,844,000 | 1,856,000 | 1,842,000 | 1,825,000 |
| Nonfarm proprietors employment | 37,297,700 | 37,516,700 | 38,537,100 | 39,515,100 | 40,736,400 |
| By industry | | | | | |
| Farm employment | 2,639,000 | 2,623,000 | 2,646,000 | 2,645,000 | 2,642,000 |
| Nonfarm employment | 173,639,700 | 176,458,700 | 179,762,100 | 183,523,100 | 187,553,400 |
| Private nonfarm employment | 149,350,700 | 152,356,700 | 155,708,100 | 159,476,100 | 163,411,400 |
| Forestry, fishing, and related activities | 860,600 | 886,400 | 911,100 | 943,000 | 962,000 |
| Mining | 1,244,000 | 1,551,200 | 1,606,000 | 1,593,500 | 1,504,600 |
| Utilities | 575,500 | 577,600 | 578,300 | 580,600 | 588,500 |
| Construction | 8,774,800 | 8,944,800 | 9,251,800 | 9,582,300 | 9,948,900 |
| Manufacturing | 12,385,700 | 12,605,200 | 12,760,200 | 12,905,600 | 13,091,200 |
| Wholesale trade | 6,160,300 | 6,243,500 | 6,345,100 | 6,574,900 | 6,785,600 |
| Retail trade | 17,954,300 | 18,085,800 | 18,383,100 | 18,744,100 | 19,149,000 |
| Transportation and warehousing | 5,684,800 | 5,872,400 | 6,020,800 | 6,273,400 | 6,605,300 |
| Information | 3,230,000 | 3,224,700 | 3,264,600 | 3,327,000 | 3,376,600 |
| Finance and insurance | 9,751,500 | 9,702,300 | 9,816,300 | 9,617,000 | 9,645,700 |
| Real estate and rental and leasing | 7,936,300 | 7,859,200 | 8,060,800 | 8,421,800 | 8,727,200 |
| Professional, scientific, and technical services | 11,970,100 | 12,211,200 | 12,549,300 | 12,867,700 | 13,242,900 |
| Management of companies and enterprises | 2,080,600 | 2,180,200 | 2,265,000 | 2,366,300 | 2,431,800 |
| Administrative and waste management services | 10,753,600 | 11,035,400 | 11,371,900 | 11,730,200 | 12,022,900 |
| Educational services | 4,122,600 | 4,198,200 | 4,329,100 | 4,488,100 | 4,662,000 |
| Health care and social assistance | 19,417,200 | 20,112,500 | 20,514,200 | 20,830,400 | 21,309,800 |
| Arts, entertainment, and recreation | 3,873,300 | 3,980,900 | 4,045,800 | 4,182,300 | 4,289,000 |
| Accommodation and food services | 12,343,400 | 12,670,500 | 13,105,200 | 13,560,900 | 14,032,200 |
| Other services, except public administration | 10,232,100 | 10,414,700 | 10,529,500 | 10,887,000 | 11,036,200 |
| Government and government enterprises | 24,289,000 | 24,102,000 | 24,054,000 | 24,047,000 | 24,142,000 |
| Federal, civilian | 2,918,000 | 2,875,000 | 2,825,000 | 2,793,000 | 2,811,000 |
| Military | 2,081,000 | 2,056,000 | 2,032,000 | 1,975,000 | 1,955,000 |
| State and local | 19,290,000 | 19,171,000 | 19,197,000 | 19,279,000 | 19,376,000 |
| State government | 5,266,000 | 5,254,000 | 5,262,000 | 5,278,000 | 5,297,000 |
| Local government | 14,024,000 | 13,917,000 | 13,935,000 | 14,001,000 | 14,079,000 |
| Total employment | 176,278,700 | 179,081,700 | 182,408,100 | 186,168,100 | 190,195,400 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 7: San Juan County, New Mexico and United States Percent of Employment by Industry 2015

| | United States | New Mexico | San Juan County |
|--|---------------|------------|-----------------|
| By type | | | |
| Wage and salary employment | 77.62 | 78.45 | 81.24 |
| Proprietors employment | 22.38 | 21.55 | 18.76 |
| Farm proprietors employment | 0.96 | 1.94 | 3.50 |
| Nonfarm proprietors employment | 21.42 | 19.61 | 15.26 |
| By industry | | | |
| Farm employment | 1.39 | 2.63 | 4.03 |
| Nonfarm employment | 98.61 | 97.37 | 95.97 |
| Private nonfarm employment | 85.92 | 78.34 | 78.21 |
| Forestry, fishing, and related activities | 0.51 | 0.54 | N/A |
| Mining | 0.79 | 3.28 | 11.92 |
| Utilities | 0.31 | 0.42 | 1.32 |
| Construction | 5.23 | 5.53 | 7.21 |
| Manufacturing | 6.88 | 3.11 | 2.42 |
| Wholesale trade | 3.57 | 2.61 | 3.25 |
| Retail trade | 10.07 | 10.56 | 11.43 |
| Transportation and warehousing | 3.47 | 2.41 | 2.77 |
| Information | 1.78 | 1.46 | N/A |
| Finance and insurance | 5.07 | 3.16 | 2.16 |
| Real estate and rental and leasing | 4.59 | 3.69 | 3.38 |
| Professional, scientific, and technical services | 6.96 | 7.08 | 2.68 |
| Management of companies and enterprises | 1.28 | 0.53 | 0.47 |
| Administrative and waste management services | 6.32 | 4.94 | 2.69 |
| Educational services | 2.45 | 1.60 | 0.95 |
| Health care and social assistance | 11.20 | 11.83 | 11.28 |
| Arts, entertainment, and recreation | 2.26 | 2.27 | 1.35 |
| Accommodation and food services | 7.38 | 8.27 | 7.42 |
| Other services, except public administration | 5.80 | 5.07 | 4.67 |
| Government and government enterprises | 12.69 | 19.03 | 17.76 |
| Federal, civilian | 1.48 | 2.66 | 2.28 |
| Military | 1.03 | 1.54 | 0.47 |
| State and local | 10.19 | 14.82 | 15.02 |
| State government | 2.79 | 5.38 | 0.69 |
| Local government | 7.40 | 9.45 | 14.33 |
| Total employment | 100.00 | 100.00 | 100.00 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 8: San Juan County Percent of Employment by Sectors 2011-2015

| Description | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|--------|--------|--------|--------|--------|
| By type | | | | | |
| Wage and salary employment | 80.40 | 80.81 | 81.33 | 81.64 | 81.24 |
| Proprietors employment | 19.60 | 19.19 | 18.67 | 18.36 | 18.76 |
| Farm proprietors employment | 3.50 | 3.64 | 3.65 | 3.51 | 3.50 |
| Nonfarm proprietors employment | 16.10 | 15.55 | 15.02 | 14.85 | 15.26 |
| By industry | | | | | |
| Farm employment | 3.94 | 4.14 | 4.20 | 4.00 | 4.03 |
| Nonfarm employment | 96.06 | 95.86 | 95.80 | 96.00 | 95.97 |
| Private nonfarm employment | 78.43 | 77.97 | 77.64 | 78.15 | 78.21 |
| Forestry, fishing, and related activities | 0.43 | N/A | N/A | N/A | N/A |
| Mining | 11.80 | 12.64 | 12.64 | 13.08 | 11.92 |
| Utilities | 1.62 | 1.58 | 1.52 | 1.41 | 1.32 |
| Construction | 6.90 | 6.90 | 6.78 | 6.78 | 7.21 |
| Manufacturing | 3.10 | 3.04 | 2.77 | 2.51 | 2.42 |
| Wholesale trade | 3.11 | 3.22 | 3.29 | 3.36 | 3.25 |
| Retail trade | 11.60 | 11.37 | 11.23 | 11.31 | 11.43 |
| Transportation and warehousing | 2.56 | 2.70 | 2.72 | 2.74 | 2.77 |
| Information | 0.60 | N/A | 0.55 | 0.55 | N/A |
| Finance and insurance | 2.19 | 2.18 | 2.17 | 2.15 | 2.16 |
| Real estate and rental and leasing | 3.18 | 2.98 | 3.05 | 3.22 | 3.38 |
| Professional, scientific, and technical services | 2.61 | 2.57 | 2.61 | 2.60 | 2.68 |
| Management of companies and enterprises | 0.37 | 0.40 | 0.43 | 0.45 | 0.47 |
| Administrative and waste management services | 2.82 | 2.75 | 2.72 | 2.71 | 2.69 |
| Educational services | 1.13 | 1.01 | 0.98 | 0.92 | 0.95 |
| Health care and social assistance | 10.89 | 10.73 | 10.99 | 10.93 | 11.28 |
| Arts, entertainment, and recreation | 1.57 | 1.46 | N/A | N/A | 1.35 |
| Accommodation and food services | 6.92 | 6.57 | 6.64 | 7.05 | 7.42 |
| Other services, except public administration | 5.04 | 4.90 | 4.75 | 4.70 | 4.67 |
| Government and government enterprises | 17.63 | 17.89 | 18.16 | 17.85 | 17.76 |
| Federal, civilian | 2.52 | 2.50 | 2.39 | 2.29 | 2.28 |
| Military | 0.56 | 0.55 | 0.54 | 0.49 | 0.47 |
| State and local | 14.54 | 14.84 | 15.23 | 15.07 | 15.02 |
| State government | 0.72 | 0.70 | 0.71 | 0.71 | 0.69 |
| Local government | 13.82 | 14.14 | 14.52 | 14.37 | 14.33 |
| Total employment | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 9: New Mexico Percent of Employment by Industry 2011-2015

| Description | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|
| By type | | | | | |
| Wage and salary employment | 78.60 | 78.65 | 78.72 | 78.80 | 78.45 |
| Proprietors employment | 21.40 | 21.35 | 21.28 | 21.20 | 21.55 |
| Farm proprietors employment | 1.94 | 2.01 | 2.00 | 1.97 | 1.94 |
| Nonfarm proprietors employment | 19.46 | 19.34 | 19.28 | 19.23 | 19.61 |
| By industry | | | | | |
| Farm employment | 2.56 | 2.66 | 2.72 | 2.60 | 2.63 |
| Nonfarm employment | 97.44 | 97.34 | 97.28 | 97.40 | 97.37 |
| Private nonfarm employment | 77.36 | 77.50 | 77.69 | 78.06 | 78.34 |
| Forestry, fishing, and related activities | 0.49 | 0.48 | 0.49 | 0.53 | 0.54 |
| Mining | 2.66 | 3.21 | 3.42 | 3.53 | 3.28 |
| Utilities | 0.43 | 0.43 | 0.43 | 0.42 | 0.42 |
| Construction | 5.57 | 5.43 | 5.51 | 5.52 | 5.53 |
| Manufacturing | 3.36 | 3.35 | 3.30 | 3.14 | 3.11 |
| Wholesale trade | 2.49 | 2.48 | 2.48 | 2.54 | 2.61 |
| Retail trade | 10.47 | 10.48 | 10.49 | 10.54 | 10.56 |
| Transportation and warehousing | 2.28 | 2.38 | 2.37 | 2.39 | 2.41 |
| Information | 1.55 | 1.54 | 1.49 | 1.45 | 1.46 |
| Finance and insurance | 3.34 | 3.29 | 3.24 | 3.20 | 3.16 |
| Real estate and rental and leasing | 3.73 | 3.58 | 3.58 | 3.63 | 3.69 |
| Professional, scientific, and technical services | 7.28 | 7.13 | 7.06 | 7.03 | 7.08 |
| Management of companies and enterprises | 0.52 | 0.51 | 0.51 | 0.52 | 0.53 |
| Administrative and waste management services | 5.14 | 5.00 | 5.08 | 5.03 | 4.94 |
| Educational services | 1.53 | 1.51 | 1.52 | 1.54 | 1.60 |
| Health care and social assistance | 11.42 | 11.54 | 11.51 | 11.54 | 11.83 |
| Arts, entertainment, and recreation | 2.17 | 2.22 | 2.21 | 2.22 | 2.27 |
| Accommodation and food services | 7.73 | 7.80 | 7.95 | 8.17 | 8.27 |
| Other services, except public administration | 5.18 | 5.12 | 5.05 | 5.11 | 5.07 |
| Government and government enterprises | 20.07 | 19.85 | 19.60 | 19.34 | 19.03 |
| Federal, civilian | 3.06 | 2.96 | 2.82 | 2.72 | 2.66 |
| Military | 1.70 | 1.70 | 1.71 | 1.62 | 1.54 |
| State and local | 15.31 | 15.18 | 15.07 | 15.00 | 14.82 |
| State government | 5.47 | 5.39 | 5.37 | 5.43 | 5.38 |
| Local government | 9.84 | 9.79 | 9.70 | 9.57 | 9.45 |
| Total employment | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculations

Table 10: United States Percent of Employment by Industry 2011-2015

| Description | 2011 | 2012 | 2013 | 2014 | 2015 |
|--|---------------|---------------|---------------|---------------|---------------|
| By type | | | | | |
| Wage and salary employment | 77.78 | 78.02 | 77.86 | 77.79 | 77.62 |
| Proprietors employment | 22.22 | 21.98 | 22.14 | 22.21 | 22.38 |
| Farm proprietors employment | 1.06 | 1.03 | 1.02 | 0.99 | 0.96 |
| Nonfarm proprietors employment | 21.16 | 20.95 | 21.13 | 21.23 | 21.42 |
| By industry | | | | | |
| Farm employment | 1.50 | 1.46 | 1.45 | 1.42 | 1.39 |
| Nonfarm employment | 98.50 | 98.54 | 98.55 | 98.58 | 98.61 |
| Private nonfarm employment | 84.72 | 85.08 | 85.36 | 85.66 | 85.92 |
| Forestry, fishing, and related activities | 0.49 | 0.49 | 0.50 | 0.51 | 0.51 |
| Mining | 0.71 | 0.87 | 0.88 | 0.86 | 0.79 |
| Utilities | 0.33 | 0.32 | 0.32 | 0.31 | 0.31 |
| Construction | 4.98 | 4.99 | 5.07 | 5.15 | 5.23 |
| Manufacturing | 7.03 | 7.04 | 7.00 | 6.93 | 6.88 |
| Wholesale trade | 3.49 | 3.49 | 3.48 | 3.53 | 3.57 |
| Retail trade | 10.19 | 10.10 | 10.08 | 10.07 | 10.07 |
| Transportation and warehousing | 3.22 | 3.28 | 3.30 | 3.37 | 3.47 |
| Information | 1.83 | 1.80 | 1.79 | 1.79 | 1.78 |
| Finance and insurance | 5.53 | 5.42 | 5.38 | 5.17 | 5.07 |
| Real estate and rental and leasing | 4.50 | 4.39 | 4.42 | 4.52 | 4.59 |
| Professional, scientific, and technical services | 6.79 | 6.82 | 6.88 | 6.91 | 6.96 |
| Management of companies and enterprises | 1.18 | 1.22 | 1.24 | 1.27 | 1.28 |
| Administrative and waste management services | 6.10 | 6.16 | 6.23 | 6.30 | 6.32 |
| Educational services | 2.34 | 2.34 | 2.37 | 2.41 | 2.45 |
| Health care and social assistance | 11.02 | 11.23 | 11.25 | 11.19 | 11.20 |
| Arts, entertainment, and recreation | 2.20 | 2.22 | 2.22 | 2.25 | 2.26 |
| Accommodation and food services | 7.00 | 7.08 | 7.18 | 7.28 | 7.38 |
| Other services, except public administration | 5.80 | 5.82 | 5.77 | 5.85 | 5.80 |
| Government and government enterprises | 13.78 | 13.46 | 13.19 | 12.92 | 12.69 |
| Federal, civilian | 1.66 | 1.61 | 1.55 | 1.50 | 1.48 |
| Military | 1.18 | 1.15 | 1.11 | 1.06 | 1.03 |
| State and local | 10.94 | 10.71 | 10.52 | 10.36 | 10.19 |
| State government | 2.99 | 2.93 | 2.88 | 2.84 | 2.79 |
| Local government | 7.96 | 7.77 | 7.64 | 7.52 | 7.40 |
| Total employment | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| <i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i> | | | | | |