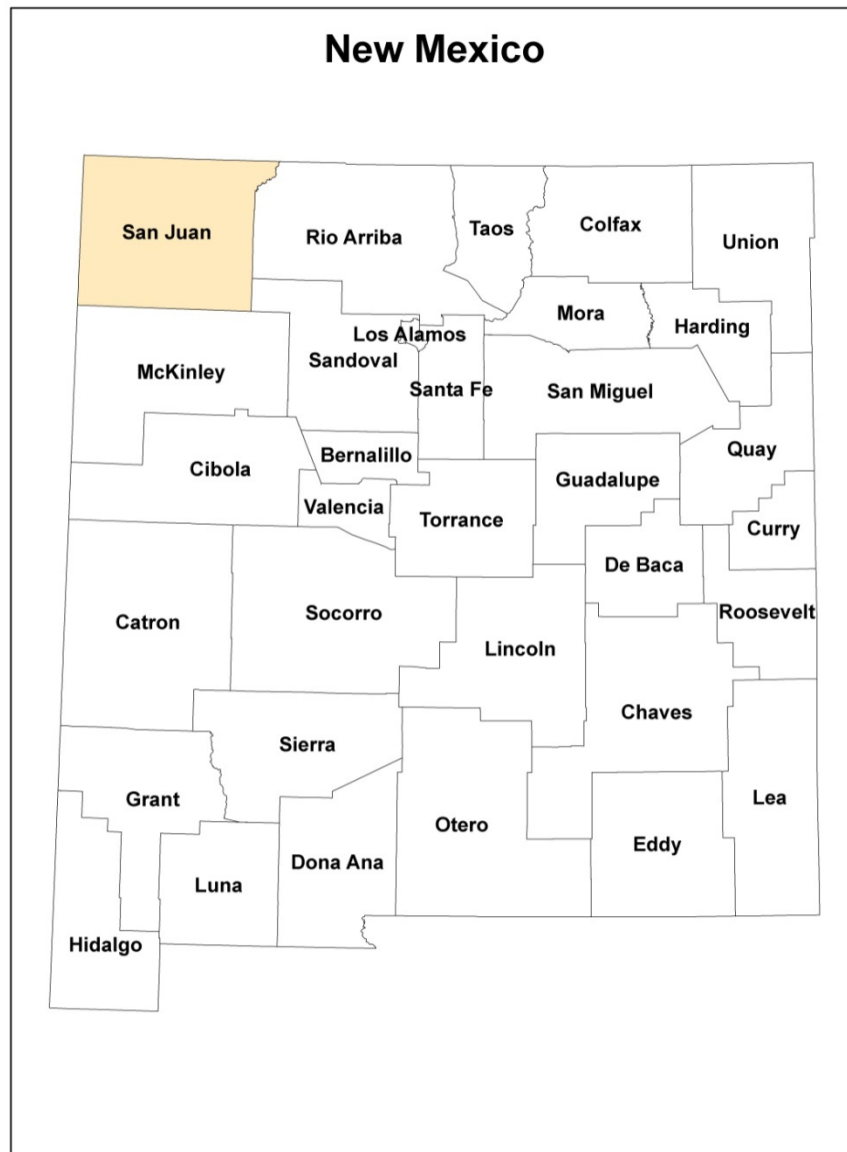




**The Economic Base of San Juan County, NM**

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

**DATE: July 2019**



## The Economic Base of San Juan County, New Mexico

### 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. Theophilus Djaba and Erin Sumner, graduate students in the NMSU Doctorate of 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](mailto: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:

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

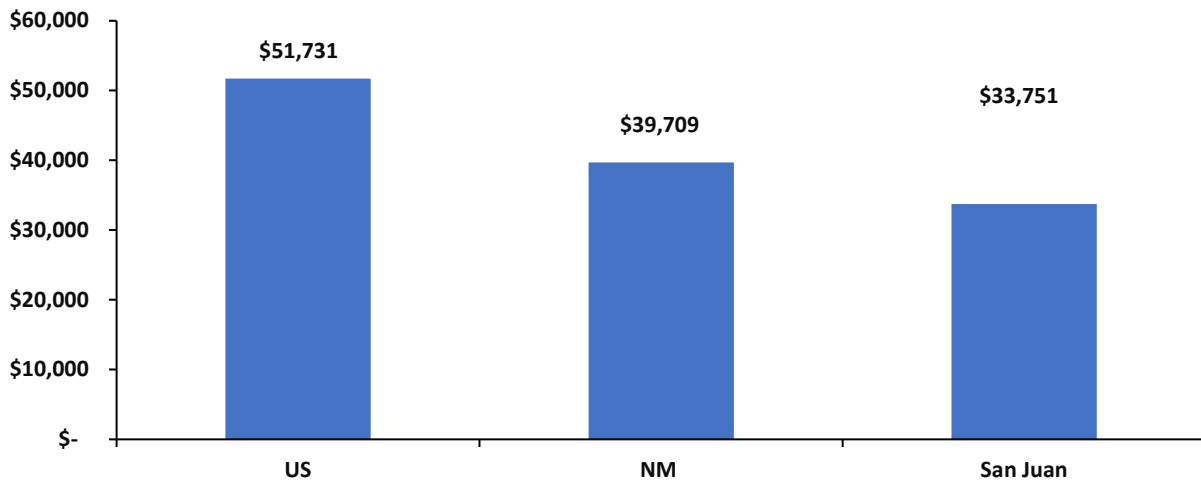
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, a 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 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 were available and for the four preceding years (2013-2017). 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](http://www.bea.gov).

### **San Juan County, New Mexico**

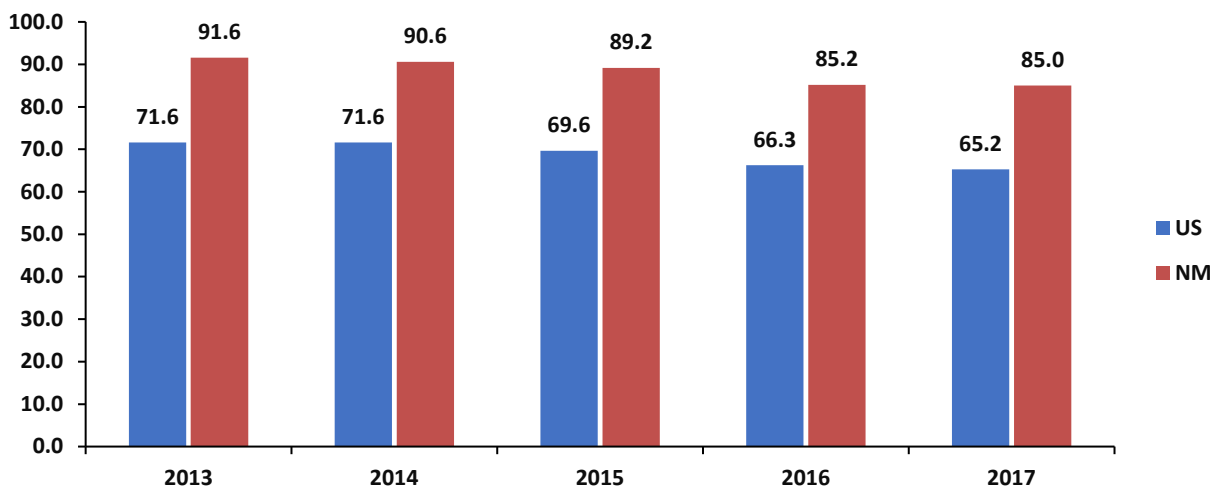
San Juan County is located in the northwestern corner of New Mexico and contains 5,513.07 square miles, or 4.54 percent of the land area in New Mexico. In 2017, the population of San Juan County was 126,926, equivalent to 6.06 percent of the state total population and ranked 5<sup>th</sup> among New Mexico's counties in terms of population. In 2017, the City of Farmington had a population of 45,450 representing 35.81 percent of the population of the county. Between 2013 and 2017, the population for San Juan County decreased by 1.85 percent, while New Mexico's population increased 0.03 percent and the nation's population increased by 2.88 percent during the same period.

**Figure 1. Per Capita Personal Income: San Juan County (2017)**



In 2017, per capita personal income for San Juan County was \$33,751, ranking 23<sup>rd</sup> in the state (See Figure 1). Per capita personal income for San Juan County was 85.00 percent of the state average (\$39,709) and 65.24 percent of the national average (\$51,731) (See Figure 2). Between 2013 and 2017, San Juan County experienced a 5.04 percent growth rate in per capita income, lower than New Mexico (13.21 percent) and the nation (15.34 percent).

**Figure 2. Per Capita Personal Income of San Juan County as a Percent of U.S. and New Mexico 2013-2017**



In 2017, total employment in San Juan County was 62,716. Between 2013 and 2017, total employment in San Juan County decreased by 2.82 percent compared to the employment growth of 2.08 percent and 7.57 percent occurring at the state and national level respectively. The San Juan

County employment to population ratio was 0.49, while New Mexico's employment to population ratio was 0.52 and the nation's ratio in 2017 was 0.60.

In 2017, 77.49 percent of all employment in San Juan County was in the Private sector, while 18.29 percent of employment was in Government and government enterprises, and Farm employment was 4.22 percent of total employment. Local government was the largest employer in the public sector with a 14.63 percent of total employment, while Federal/civilian accounted for 2.41 percent of employment. Military and state government represented small percentages of the total with 0.52 and 0.73 percent, respectively. In the private sector, the industries with the highest percentages of total employment included: Retail trade (11.11), Mining (10.86), Accommodation and food services (7.93), Health care and Social assistance (12.22), and Construction (7.02). 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 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for San Juan County from 2013 to 2017 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 14.09 for 2017 and with LQs exceeding 14.05 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 2018, San Juan County was ranked 3<sup>rd</sup> in oil production and 2<sup>nd</sup> in gas production (Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, 2018)

Utilities are also to be considered a basic economic activity in San Juan County, with an LQ of 4.00 in 2017 and LQs exceeding 4.00 in the prior years. 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 and Health care and social assistance, with an LQ of 1.13 and 1.08 respectively are also both considered basic industries in San Juan County. The Accommodation and food services sector is also considered a basic industry, with an LQ of 1.06 in 2017. This 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. The Agricultural sector through Farm

employment is also considered a basic industry with an LQ of 3.14 for 2017. 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 2017 the government sectors with LQs higher than 1.0 were Local government and Federal/civilian employment. Federal/civilian employment had an LQ of 1.65 in 2017 and LQs exceeding 1.50 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 2.01 in 2017; 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 2017 suggest that the following industries are considered basic industries in San Juan County:

1. Mining, accounted for 6,808 jobs.
2. Utilities, accounted for 848 jobs.
3. Retail trade, accounted for 6,965 jobs.
4. Farm employment, accounted for 2,645 jobs.
5. Health care and social assistance, accounted for 7,666 jobs.
6. Federal/civilian employment, accounted for 1,510 jobs.
7. Accommodation and food services, accounted for 4,971 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 2.00 (62,716/ 31,413). This ratio suggests that any additional basic sector job in San Juan County would be associated with additional 2.00 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 2016 and 2017, the population of San Juan decreased by 0.66 percent, from a total population of 127,772 in 2016 to 126,926 in 2017. The per capita income in San Juan County increased by 2.11 percent between 2016 and 2017 (from \$33,053 to \$33,751) while New Mexico's per capital income increased by 2.36 percent and the nation's per capita income increased by 3.70 percent within the same period.

**Tables 1 to 10 appear on pages 7-16**

<b>Table 1: Location Quotients for San Juan County (US Base) 2013-2017</b>					
<b>US Base</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	1.04	1.05	1.06	1.05	1.05
Proprietors employment	0.84	0.83	0.81	0.83	0.84
Farm proprietors employment	3.58	3.62	3.68	3.90	3.98
Nonfarm proprietors employment	0.71	0.70	0.68	0.69	0.70
<b>By industry</b>					
Farm employment	2.90	2.86	2.93	3.14	3.14
Nonfarm employment	0.97	0.97	0.97	0.97	0.97
Private nonfarm employment	0.91	0.91	0.91	0.90	0.90
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	14.36	15.23	14.64	14.52	14.09
Utilities	4.80	4.53	4.25	4.23	4.00
Construction	1.33	1.32	1.38	1.17	1.30
Manufacturing	0.40	0.36	0.34	0.29	0.33
Wholesale trade	0.95	0.95	0.92	0.86	0.88
Retail trade	1.11	1.12	1.14	1.15	1.13
Transportation and warehousing	0.82	0.81	0.76	0.65	0.64
Information	0.30	0.30	N/A	N/A	N/A
Finance and insurance	0.40	0.42	0.41	0.41	0.40
Real estate and rental and leasing	0.69	0.71	0.72	0.73	0.73
Professional, scientific, and technical services	0.38	0.38	0.38	0.39	0.38
Management of companies and enterprises	0.35	0.35	0.38	0.37	0.36
Administrative and waste management services	0.44	0.43	0.42	0.41	0.41
Educational services	0.41	0.38	0.39	0.42	0.43
Health care and social assistance	0.98	0.98	1.01	1.08	1.08
Arts, entertainment, and recreation	N/A	N/A	0.59	0.61	0.62
Accommodation and food services	0.92	0.97	1.01	1.08	1.06
Other services, except public administration	0.82	0.80	0.82	0.86	0.85
Government and government enterprises	1.38	1.38	1.41	1.48	1.47
Federal, civilian	1.55	1.52	1.55	1.63	1.65
Military	0.49	0.48	0.50	0.53	0.53
State and local	1.45	1.45	1.48	1.56	1.54
State government	0.24	0.25	0.25	0.27	0.27
Local government	1.91	1.91	1.96	2.04	2.01
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation



<b>Table 2: Location Quotients for San Juan County (NM Base) 2013-2017</b>					
<b>NM Based</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	1.03	1.04	1.04	1.03	1.03
Proprietors employment	0.88	0.87	0.85	0.88	0.88
Farm proprietors employment	1.82	1.81	1.81	1.88	1.89
Nonfarm proprietors employment	0.78	0.77	0.76	0.77	0.78
<b>By industry</b>					
Farm employment	1.55	1.56	1.54	1.58	1.62
Nonfarm employment	0.98	0.99	0.99	0.98	0.98
Private nonfarm employment	1.00	1.00	1.00	0.99	0.99
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	3.69	3.70	3.56	3.75	3.53
Utilities	3.52	3.33	3.11	3.03	2.91
Construction	1.23	1.23	1.31	1.14	1.23
Manufacturing	0.84	0.80	0.74	0.66	0.73
Wholesale trade	1.33	1.29	1.26	1.24	1.27
Retail trade	1.07	1.07	1.08	1.10	1.09
Transportation and warehousing	1.15	1.15	1.11	1.02	1.01
Information	0.37	0.38	N/A	N/A	N/A
Finance and insurance	0.67	0.67	0.68	0.66	0.64
Real estate and rental and leasing	0.85	0.89	0.91	0.92	0.92
Professional, scientific, and technical services	0.37	0.37	0.37	0.38	0.37
Management of companies and enterprises	0.84	0.85	0.90	0.87	0.84
Administrative and waste management services	0.54	0.54	0.54	0.51	0.50
Educational services	0.64	0.60	0.61	0.65	0.66
Health care and social assistance	0.95	0.95	0.95	0.99	1.00
Arts, entertainment, and recreation	N/A	N/A	0.59	0.63	0.63
Accommodation and food services	0.84	0.86	0.90	0.95	0.94
Other services, except public administration	0.94	0.92	0.94	0.97	0.96
Government and government enterprises	0.93	0.92	0.94	0.98	0.97
Federal, civilian	0.85	0.84	0.86	0.89	0.90
Military	0.32	0.31	0.33	0.34	0.33
State and local	1.01	1.00	1.02	1.06	1.06
State government	0.13	0.13	0.13	0.14	0.14
Local government	1.50	1.50	1.52	1.58	1.57
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 3: San Juan County Total Employment by Industry 2017</b>		
	<b>Total Jobs</b>	<b>Percent of Total Employment</b>
<b>By type</b>		
Wage and salary employment	50,877	81.12
Proprietors employment	11,839	18.88
Farm proprietors employment	2,305	3.68
Nonfarm proprietors employment	9,534	15.20
<b>By industry</b>		
Farm employment	2,645	4.22
Nonfarm employment	60,071	95.78
Private nonfarm employment	48,599	77.49
Forestry, fishing, and related activities	(D)	N/A
Mining	6,808	10.86
Utilities	848	1.35
Construction	4,405	7.02
Manufacturing	1,387	2.21
Wholesale trade	1,816	2.90
Retail trade	6,965	11.11
Transportation and warehousing	1,562	2.49
Information	(D)	N/A
Finance and insurance	1,334	2.13
Real estate and rental and leasing	2,126	3.39
Professional, scientific, and technical services	1,673	2.67
Management of companies and enterprises	311	0.50
Administrative and waste management services	1,582	2.52
Educational services	646	1.03
Health care and social assistance	7,666	12.22
Arts, entertainment, and recreation	890	1.42
Accommodation and food services	4,971	7.93
Other services, except public administration	3,048	4.86
Government and government enterprises	11,472	18.29
Federal, civilian	1,510	2.41
Military	327	0.52
State and local	9,635	15.36
State government	457	0.73
Local government	9,178	14.63
<b>Total employment</b>	<b>62,716</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 4: San Juan County Employment by Industry 2013-2017</b>					
<b>Number of jobs by industry</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	52486	53299	53294	50925	50877
Proprietors employment	12047	12102	11806	11600	11839
Farm proprietors employment	2354	2344	2307	2296	2305
Nonfarm proprietors employment 2/	9693	9758	9499	9304	9534
<b>By industry</b>					
Farm employment	2713	2661	2656	2687	2645
Nonfarm employment	61820	62740	62444	59838	60071
Private nonfarm employment	50090	51072	50784	48183	48599
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	8168	8546	7776	6820	6808
Utilities	983	923	868	850	848
Construction	4363	4419	4656	3915	4405
Manufacturing	1792	1642	1504	1250	1387
Wholesale trade	2126	2250	2140	1801	1816
Retail trade	7249	7376	7428	7131	6965
Transportation and warehousing	1755	1792	1806	1552	1562
Information	352	356	(D)	(D)	(D)
Finance and insurance	1398	1403	1392	1356	1334
Real estate and rental and leasing	1962	2097	2144	2088	2126
Professional, scientific, and technical services	1685	1699	1727	1702	1673
Management of companies and enterprises	277	290	316	314	311
Administrative and waste management services	1756	1767	1699	1579	1582
Educational services	633	605	622	632	646
Health care and social assistance	7090	7128	7354	7638	7666
Arts, entertainment, and recreation	(D)	(D)	850	865	890
Accommodation and food services	4286	4597	4839	5037	4971
Other services, except public administration	3060	3069	3142	3083	3048
Government and government enterprises	11730	11668	11660	11655	11472
Federal, civilian	1547	1494	1490	1505	1510
Military	356	332	334	331	327
State and local	9827	9842	9836	9819	9635
State government	457	462	451	462	457
Local government	9370	9380	9385	9357	9178
<b>Total employment</b>	<b>64533</b>	<b>65401</b>	<b>65100</b>	<b>62525</b>	<b>62716</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

<b>Table 5: New Mexico Employment by Industry 2013-2017</b>					
<b>Number of jobs by industry</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	846495	852348	860023	861222	862272
Proprietors employment	228970	231044	231850	231184	235600
Farm proprietors employment	21547	21473	21405	21291	21372
Nonfarm proprietors employment	207423	209571	210445	209893	214228
<b>By industry</b>					
Farm employment	29208	28262	28866	29641	28633
Nonfarm employment	1046257	1055130	1063007	1062765	1069239
Private nonfarm employment	835402	845778	854438	854243	862954
Forestry, fishing, and related activities	5235	5675	5540	5819	5658
Mining	36857	38222	36655	31808	33725
Utilities	4652	4591	4684	4900	5099
Construction	59142	59584	59709	60012	62633
Manufacturing	35463	34022	34158	33188	33239
Wholesale trade	26688	28856	28502	25379	24946
Retail trade	112726	113923	114888	113636	111443
Transportation and warehousing	25502	25903	27243	26672	27060
Information	16059	15725	15588	16001	15339
Finance and insurance	35010	34783	34461	35684	36737
Real estate and rental and leasing	38414	39111	39660	39866	40634
Professional, scientific, and technical services	75919	76116	77542	77751	79601
Management of companies and enterprises	5502	5631	5877	6337	6449
Administrative and waste management services	54597	54370	52998	53887	55307
Educational services	16426	16736	16965	17026	17020
Health care and social assistance	123737	124796	129720	134269	134712
Arts, entertainment, and recreation	23734	24225	24245	24151	24831
Accommodation and food services	85494	88296	90192	92521	93037
Other services, except public administration	54245	55213	55811	55336	55484
Government and government enterprises	210855	209352	208569	208522	206285
Federal, civilian	30400	29452	29188	29385	29288
Military	18350	17518	16923	17159	17348
State and local	162105	162382	162458	161978	159649
State government	57772	58752	58962	58703	57617
Local government	104333	103630	103496	103275	102032
<b>Total employment</b>	<b>1075465</b>	<b>1083392</b>	<b>1091873</b>	<b>1092406</b>	<b>1097872</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

**Table 6: United States Employment by Industry 2013-2017**

Number of jobs by industry	2013	2014	2015	2016	2017
<b>By type</b>					
Wage and salary employment	141,932,000.00	144,722,000.00	147,635,000.00	149,904,000.00	151,825,000.00
Proprietors employment	40,393,100.00	41,513,800.00	42,682,800.00	43,464,900.00	44,307,200.00
Farm proprietors employment	1,856,000.00	1,842,000.00	1,832,000.00	1,823,000.00	1,812,000.00
Nonfarm proprietors employment	38,537,100.00	39,671,800.00	40,850,800.00	41,641,900.00	42,495,200.00
<b>By industry</b>					
Farm employment	2,645,000.00	2,645,000.00	2,649,000.00	2,643,000.00	2,631,000.00
Nonfarm employment	179,680,100.00	183,590,800.00	187,668,800.00	190,725,900.00	193,501,200.00
Private nonfarm employment	155,625,100.00	159,536,800.00	163,523,800.00	166,427,900.00	169,096,200.00
Forestry, fishing, and related activities	909,100.00	941,000.00	915,900.00	935,200.00	926,400.00
Mining	1,607,000.00	1,597,500.00	1,553,300.00	1,452,200.00	1,511,100.00
Utilities	578,300.00	580,600.00	597,400.00	622,000.00	663,500.00
Construction	9,237,800.00	9,564,300.00	9,844,900.00	10,322,100.00	10,634,600.00
Manufacturing	12,761,200.00	12,908,600.00	13,076,600.00	13,131,900.00	13,304,800.00
Wholesale trade	6,343,100.00	6,720,600.00	6,819,100.00	6,464,400.00	6,478,900.00
Retail trade	18,369,100.00	18,713,100.00	19,095,300.00	19,199,500.00	19,222,200.00
Transportation and warehousing	6,012,800.00	6,282,400.00	6,929,700.00	7,413,200.00	7,663,800.00
Information	3,264,600.00	3,327,000.00	3,316,400.00	3,384,900.00	3,384,400.00
Finance and insurance	9,815,300.00	9,621,000.00	9,844,600.00	10,187,400.00	10,510,200.00
Real estate and rental and leasing	8,056,800.00	8,405,800.00	8,668,300.00	8,868,200.00	9,105,900.00
Professional, scientific, and technical services	12,544,300.00	12,864,700.00	13,333,200.00	13,496,900.00	13,721,000.00
Management of companies and enterprises	2,265,000.00	2,360,300.00	2,425,500.00	2,603,800.00	2,667,400.00
Administrative and waste management services	11,366,900.00	11,719,200.00	11,770,600.00	12,033,600.00	12,088,500.00
Educational services	4,339,100.00	4,498,100.00	4,610,900.00	4,641,800.00	4,691,200.00
Health care and social assistance	20,499,200.00	20,798,400.00	21,351,100.00	21,817,100.00	22,201,200.00
Arts, entertainment, and recreation	4,043,800.00	4,223,300.00	4,220,100.00	4,363,100.00	4,455,500.00
Accommodation and food services	13,099,200.00	13,548,900.00	13,977,700.00	14,399,000.00	14,697,400.00
Other services, except public administration	10,512,500.00	10,862,000.00	11,173,200.00	11,091,600.00	11,168,200.00
Government and government enterprises	24,055,000.00	24,054,000.00	24,145,000.00	24,298,000.00	24,405,000.00
Federal, civilian	2,826,000.00	2,792,000.00	2,810,000.00	2,847,000.00	2,857,000.00
Military	2,032,000.00	1,975,000.00	1,956,000.00	1,927,000.00	1,929,000.00
State and local	19,197,000.00	19,287,000.00	19,379,000.00	19,524,000.00	19,619,000.00
State government	5,306,000.00	5,330,000.00	5,349,000.00	5,351,000.00	5,365,000.00
Local government	13,891,000.00	13,957,000.00	14,030,000.00	14,173,000.00	14,254,000.00
<b>Total employment</b>	<b>182,325,100.00</b>	<b>186,235,800.00</b>	<b>190,317,800.00</b>	<b>193,368,900.00</b>	<b>196,132,200.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

<b>Table 7: San Juan County, New Mexico and United States Percent of Employment by Industry 2017</b>			
	<b>United States</b>	<b>New Mexico</b>	<b>San Juan County</b>
<b>By type</b>			
Wage and salary employment	77.41	78.54	81.12
Proprietors employment	22.59	21.46	18.88
Farm proprietors employment	0.92	1.95	3.68
Nonfarm proprietors employment	21.67	19.51	15.20
<b>By industry</b>			
Farm employment	1.34	2.61	4.22
Nonfarm employment	98.66	97.39	95.78
Private nonfarm employment	86.22	78.60	77.49
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	10.86
Utilities	0.34	0.46	1.35
Construction	5.42	5.70	7.02
Manufacturing	6.78	3.03	2.21
Wholesale trade	3.30	2.27	2.90
Retail trade	9.80	10.15	11.11
Transportation and warehousing	3.91	2.46	2.49
Information	1.73	1.40	N/A
Finance and insurance	5.36	3.35	2.13
Real estate and rental and leasing	4.64	3.70	3.39
Professional, scientific, and technical services	7.00	7.25	2.67
Management of companies and enterprises	1.36	0.59	0.50
Administrative and waste management services	6.16	5.04	2.52
Educational services	2.39	1.55	1.03
Health care and social assistance	11.32	12.27	12.22
Arts, entertainment, and recreation	2.27	2.26	1.42
Accommodation and food services	7.49	8.47	7.93
Other services, except public administration	5.69	5.05	4.86
Government and government enterprises	12.44	18.79	18.29
Federal, civilian	1.46	2.67	2.41
Military	0.98	1.58	0.52
State and local	10.00	14.54	15.36
State government	2.74	5.25	0.73
Local government	7.27	9.29	14.63
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 8: San Juan County Percent of Employment by Sectors 2013-2017</b>					
<b>Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	81.33	81.50	81.86	81.45	81.12
Proprietors employment	18.67	18.50	18.14	18.55	18.88
Farm proprietors employment	3.65	3.58	3.54	3.67	3.68
Nonfarm proprietors employment	15.02	14.92	14.59	14.88	15.20
<b>By industry</b>					
Farm employment	4.20	4.07	4.08	4.30	4.22
Nonfarm employment	95.80	95.93	95.92	95.70	95.78
Private nonfarm employment	77.62	78.09	78.01	77.06	77.49
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	12.66	13.07	11.94	10.91	10.86
Utilities	1.52	1.41	1.33	1.36	1.35
Construction	6.76	6.76	7.15	6.26	7.02
Manufacturing	2.78	2.51	2.31	2.00	2.21
Wholesale trade	3.29	3.44	3.29	2.88	2.90
Retail trade	11.23	11.28	11.41	11.41	11.11
Transportation and warehousing	2.72	2.74	2.77	2.48	2.49
Information	0.55	0.54	N/A	N/A	N/A
Finance and insurance	2.17	2.15	2.14	2.17	2.13
Real estate and rental and leasing	3.04	3.21	3.29	3.34	3.39
Professional, scientific, and technical services	2.61	2.60	2.65	2.72	2.67
Management of companies and enterprises	0.43	0.44	0.49	0.50	0.50
Administrative and waste management services	2.72	2.70	2.61	2.53	2.52
Educational services	0.98	0.93	0.96	1.01	1.03
Health care and social assistance	10.99	10.90	11.30	12.22	12.22
Arts, entertainment, and recreation	N/A	N/A	1.31	1.38	1.42
Accommodation and food services	6.64	7.03	7.43	8.06	7.93
Other services, except public administration	4.74	4.69	4.83	4.93	4.86
Government and government enterprises	18.18	17.84	17.91	18.64	18.29
Federal, civilian	2.40	2.28	2.29	2.41	2.41
Military	0.55	0.51	0.51	0.53	0.52
State and local	15.23	15.05	15.11	15.70	15.36
State government	0.71	0.71	0.69	0.74	0.73
Local government	14.52	14.34	14.42	14.97	14.63
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

**Table 9: New Mexico Percent of Employment by Industry 2013-2017**

Description	2013	2014	2015	2016	2017
<b>By type</b>					
Wage and salary employment	78.71	78.67	78.77	78.84	78.54
Proprietors employment	21.29	21.33	21.23	21.16	21.46
Farm proprietors employment	2.00	1.98	1.96	1.95	1.95
Nonfarm proprietors employment	19.29	19.34	19.27	19.21	19.51
<b>By industry</b>					
Farm employment	2.72	2.61	2.64	2.71	2.61
Nonfarm employment	97.28	97.39	97.36	97.29	97.39
Private nonfarm employment	77.68	78.07	78.25	78.20	78.60
Forestry, fishing, and related activities	0.49	0.52	0.51	0.53	0.52
Mining	3.43	3.53	3.36	2.91	3.07
Utilities	0.43	0.42	0.43	0.45	0.46
Construction	5.50	5.50	5.47	5.49	5.70
Manufacturing	3.30	3.14	3.13	3.04	3.03
Wholesale trade	2.48	2.66	2.61	2.32	2.27
Retail trade	10.48	10.52	10.52	10.40	10.15
Transportation and warehousing	2.37	2.39	2.50	2.44	2.46
Information	1.49	1.45	1.43	1.46	1.40
Finance and insurance	3.26	3.21	3.16	3.27	3.35
Real estate and rental and leasing	3.57	3.61	3.63	3.65	3.70
Professional, scientific, and technical services	7.06	7.03	7.10	7.12	7.25
Management of companies and enterprises	0.51	0.52	0.54	0.58	0.59
Administrative and waste management services	5.08	5.02	4.85	4.93	5.04
Educational services	1.53	1.54	1.55	1.56	1.55
Health care and social assistance	11.51	11.52	11.88	12.29	12.27
Arts, entertainment, and recreation	2.21	2.24	2.22	2.21	2.26
Accommodation and food services	7.95	8.15	8.26	8.47	8.47
Other services, except public administration	5.04	5.10	5.11	5.07	5.05
Government and government enterprises	19.61	19.32	19.10	19.09	18.79
Federal, civilian	2.83	2.72	2.67	2.69	2.67
Military	1.71	1.62	1.55	1.57	1.58
State and local	15.07	14.99	14.88	14.83	14.54
State government	5.37	5.42	5.40	5.37	5.25
Local government	9.70	9.57	9.48	9.45	9.29
<b>Total employment</b>	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculations



<b>Table 10: United States Percent of Employment by Industry 2013-2017</b>					
<b>Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	77.85	77.71	77.57	77.52	77.41
Proprietors employment	22.15	22.29	22.43	22.48	22.59
Farm proprietors employment	1.02	0.99	0.96	0.94	0.92
Nonfarm proprietors employment	21.14	21.30	21.46	21.53	21.67
<b>By industry</b>					
Farm employment	1.45	1.42	1.39	1.37	1.34
Nonfarm employment	98.55	98.58	98.61	98.63	98.66
Private nonfarm employment	85.36	85.66	85.92	86.07	86.22
Forestry, fishing, and related activities	0.50	0.51	0.48	0.48	0.47
Mining	0.88	0.86	0.82	0.75	0.77
Utilities	0.32	0.31	0.31	0.32	0.34
Construction	5.07	5.14	5.17	5.34	5.42
Manufacturing	7.00	6.93	6.87	6.79	6.78
Wholesale trade	3.48	3.61	3.58	3.34	3.30
Retail trade	10.07	10.05	10.03	9.93	9.80
Transportation and warehousing	3.30	3.37	3.64	3.83	3.91
Information	1.79	1.79	1.74	1.75	1.73
Finance and insurance	5.38	5.17	5.17	5.27	5.36
Real estate and rental and leasing	4.42	4.51	4.55	4.59	4.64
Professional, scientific, and technical services	6.88	6.91	7.01	6.98	7.00
Management of companies and enterprises	1.24	1.27	1.27	1.35	1.36
Administrative and waste management services	6.23	6.29	6.18	6.22	6.16
Educational services	2.38	2.42	2.42	2.40	2.39
Health care and social assistance	11.24	11.17	11.22	11.28	11.32
Arts, entertainment, and recreation	2.22	2.27	2.22	2.26	2.27
Accommodation and food services	7.18	7.28	7.34	7.45	7.49
Other services, except public administration	5.77	5.83	5.87	5.74	5.69
Government and government enterprises	13.19	12.92	12.69	12.57	12.44
Federal, civilian	1.55	1.50	1.48	1.47	1.46
Military	1.11	1.06	1.03	1.00	0.98
State and local	10.53	10.36	10.18	10.10	10.00
State government	2.91	2.86	2.81	2.77	2.74
Local government	7.62	7.49	7.37	7.33	7.27
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation