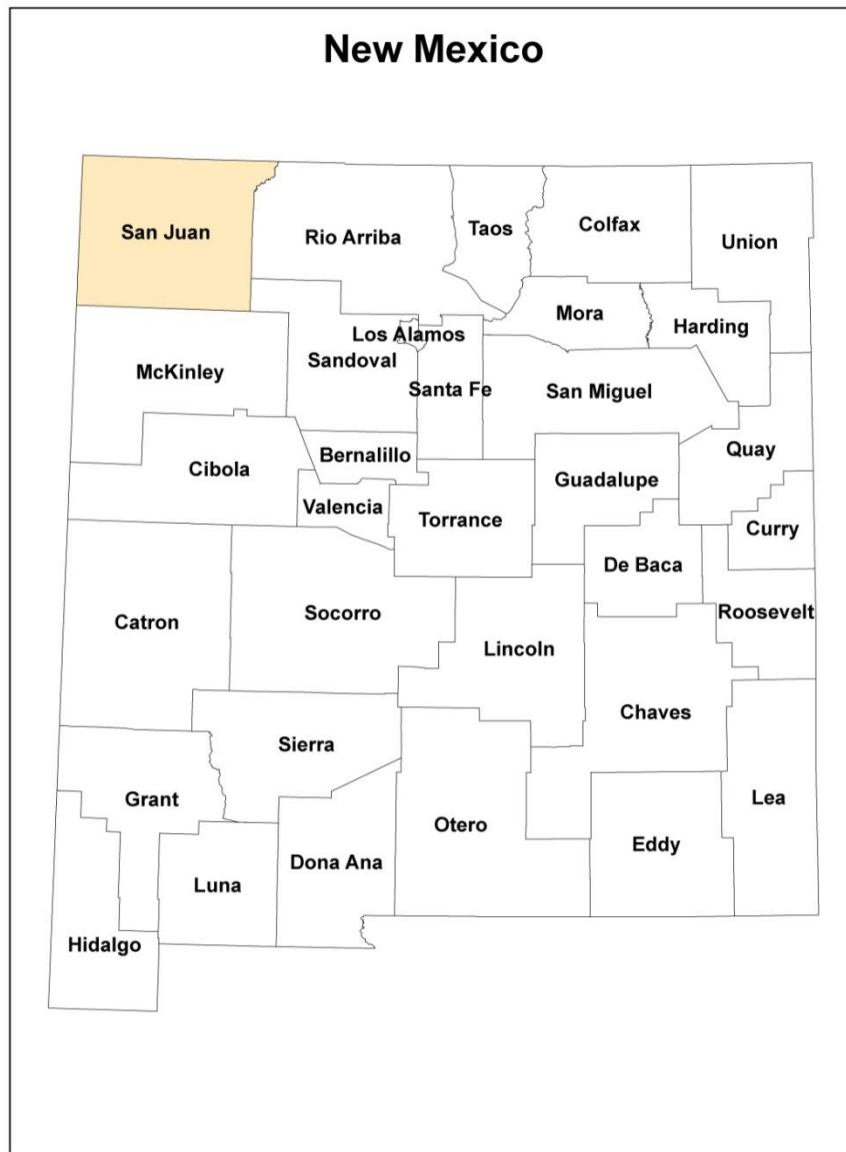




The Economic Base of San Juan County, NM

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

DATE: July 2016



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, 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:

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

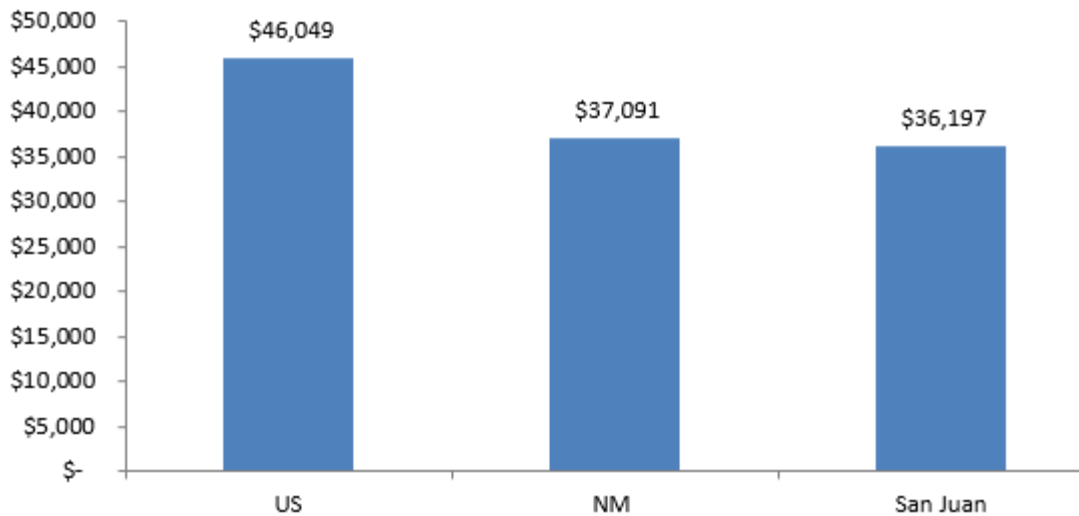
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, 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 (2010-2014). 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

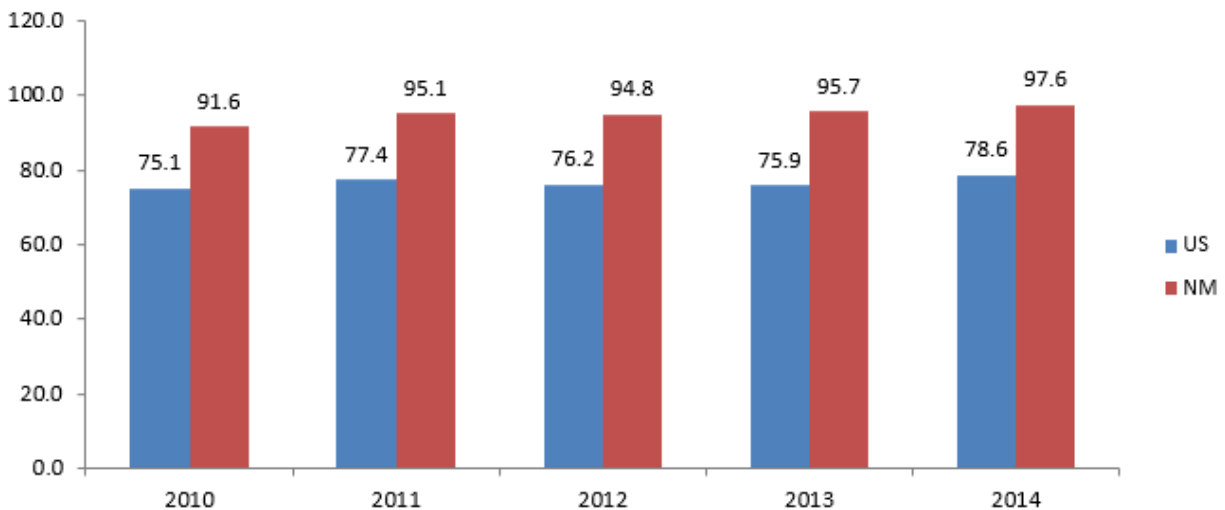
San Juan County is located in the northwestern corner of New Mexico and contains 5,513.07 square miles, or 4.54 percent of the land area in New Mexico. In 2014, the population of San Juan County was 123,785, equivalent to 5.9 percent of the state total population and ranked 5th among New Mexico's counties in terms of population. In 2014, the City of Farmington had a population of 44,593 representing 36.0 percent of the population of the county. Between 2010 and 2014, the population for San Juan County decreased by 4.89 percent, while New Mexico's population increased 1.0 percent and the nation's population increased by 3.07 percent during the same period.

Figure 1. Per Capita Personal Income 2014



In 2014, per capita personal income for San Juan County was \$36,197, ranking 13th in the state (See Figure 1). Per capita personal income for San Juan County was 97.6 percent of the state average (\$37,091) and 78.6 percent of the national average (\$46,049) (See Figure 2). Between 2010 and 2014, San Juan County experienced a 19.7 percent growth rate in per capita income, higher than New Mexico (12.33 percent) and the nation (14.33 percent).

Figure 2: Per Capita Income of San Juan County as Percent of U.S. and New Mexico, 2010-2014



In 2014, total employment in San Juan County was 65,343. Between 2010 and 2014, total employment in San Juan County increased by 4.75 percent compared to the employment growth of 2.20 percent and 7.38 percent occurring at the state and national level respectively. The San Juan County

employment to population ratio was 0.53, while New Mexico's employment to population ratio was 0.52 and the nation's ratio in 2014 was 0.58.

In 2014, 78.08 percent of all employment in San Juan County was in the Private sector, while 17.84 percent of employment was in Government and government enterprises, and Farm employment was 4.07 percent of total employment. Local government was the largest employer in the public sector with a 14.36 percent of total employment, while Federal/civilian accounted for 2.29 percent of employment. Military and state government represented small percentages of the total with 0.49 and 0.71 percent, respectively. In the private sector, the industries with the highest percentages of total employment included: Retail trade (11.30), Mining (12.84), Health care and Social assistance (10.97), and Construction (6.83). 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 2010 to 2014 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for San Juan County from 2010 to 2014 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 14.10 for 2014 and with LQs exceeding 14.15 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 2015, San Juan County was ranked 3rd in oil production and 1st in gas production (Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, 2015)

Utilities are also to be considered a basic economic activity in San Juan County, with an LQ of 4.49 in 2014 and LQs exceeding 4.49 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 1.12 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 2014 was below 1.0 and will not be considered a basic industry. The Agricultural sector through Farm employment is also considered a basic industry with an LQ of 2.86 for 2014. 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 2014 the government sectors with LQs higher than 1.0 were Local government and Federal/civilian employment. Federal/civilian employment had an LQ of 1.52 in 2014 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 1.91 in 2014; 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 2014 suggest that the following industries are considered basic industries in San Juan County:

1. Mining, accounted for 8,390 jobs.
2. Utilities, accounted for 919 jobs.
3. Retail trade, accounted for 7,386 jobs.
4. Farm employment, accounted for 2,661 jobs.
5. Federal/civilian employment, accounted for 1,496 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 3.13 ($65,343 / 20,852$). This ratio suggests that any additional basic sector job in San Juan County would be associated with additional 3.13 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 2013 and 2014, the population of San Juan decreased by 2.11 percent, from a total population of 126,448 in 2013 to 123,785 in 2014. The per capita income in San Juan County increased by 7.31 percent between 2013 and 2014 (from \$33,732 to \$36,197) while New Mexico's per capital income increased by 5.21 percent and the nation's per capita income increased by 3.63 percent within the same period. Basic industries remain unchanged.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for San Juan County (US Base) 2010-2014					
US Base	2010	2011	2012	2013	2014
By type					
Wage and salary employment	1.03	1.04	1.04	1.05	1.05
Proprietors employment	0.88	0.87	0.85	0.83	0.83
Farm proprietors employment	2.94	3.30	3.55	3.60	3.62
Nonfarm proprietors employment	0.77	0.74	0.72	0.69	0.70
By industry					
Farm employment	2.36	2.64	2.84	2.91	2.86
Nonfarm employment	0.98	0.98	0.97	0.97	0.97
Private nonfarm employment	0.92	0.92	0.92	0.91	0.91
Forestry, fishing, and related activities	N/A	0.85	N/A	N/A	N/A
Mining	14.55	16.36	14.33	14.15	14.10
Utilities	5.32	4.97	4.91	4.80	4.49
Construction	1.50	1.40	1.39	1.34	1.32
Manufacturing	0.40	0.44	0.43	0.40	0.40
Wholesale trade	0.90	0.89	0.92	0.94	0.95
Retail trade	1.14	1.14	1.13	1.12	1.12
Transportation and warehousing	0.76	0.79	0.81	0.81	0.82
Information	N/A	0.33	N/A	0.30	0.29
Finance and insurance	0.41	0.40	0.40	0.40	0.40
Real estate and rental and leasing	N/A	0.68	0.66	0.68	0.68
Professional, scientific, and technical services	0.40	0.38	0.38	0.38	0.38
Management of companies and enterprises	0.35	0.32	0.33	0.34	0.34
Administrative and waste management services	0.51	0.47	0.45	0.44	0.44
Educational services	0.49	0.48	0.43	0.41	0.38
Health care and social assistance	0.93	1.00	0.96	0.98	0.98
Arts, entertainment, and recreation	0.75	0.71	0.66	N/A	N/A
Accommodation and food services	0.99	0.99	0.93	0.93	0.97
Other services, except public administration	0.99	0.88	0.85	0.83	0.82
Government and government enterprises	1.30	1.28	1.34	1.38	1.38
Federal, civilian	1.56	1.53	1.57	1.55	1.52
Military	0.47	0.48	0.48	0.48	0.46
State and local	1.35	1.33	1.39	1.45	1.45
State government	0.25	0.24	0.24	0.25	0.25
Local government	1.76	1.75	1.83	1.91	1.91
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 2: Location Quotients for San Juan County (NM Base) 2010-2014					
NM Based	2010	2011	2012	2013	2014
By type					
Wage and salary employment	1.02	1.03	1.03	1.04	1.04
Proprietors employment	0.91	0.90	0.88	0.87	0.86
Farm proprietors employment	1.78	1.80	1.82	1.83	1.81
Nonfarm proprietors employment	0.83	0.81	0.79	0.77	0.76
By industry					
Farm employment	1.49	1.54	1.56	1.55	1.56
Nonfarm employment	0.99	0.99	0.98	0.98	0.98
Private nonfarm employment	1.01	1.01	1.01	1.00	1.00
Forestry, fishing, and related activities	N/A	0.84	N/A	N/A	N/A
Mining	4.18	4.33	3.87	3.63	3.53
Utilities	4.16	3.83	3.72	3.54	3.30
Construction	1.32	1.25	1.28	1.24	1.23
Manufacturing	0.86	0.92	0.91	0.84	0.88
Wholesale trade	1.23	1.25	1.31	1.35	1.36
Retail trade	1.11	1.11	1.09	1.07	1.08
Transportation and warehousing	1.09	1.11	1.12	1.13	1.14
Information	N/A	0.39	N/A	0.36	0.36
Finance and insurance	0.67	0.66	0.66	0.66	0.65
Real estate and rental and leasing	N/A	0.81	0.80	0.84	0.84
Professional, scientific, and technical services	0.37	0.36	0.36	0.37	0.37
Management of companies and enterprises	0.80	0.73	0.79	0.83	0.84
Administrative and waste management services	0.60	0.56	0.55	0.54	0.55
Educational services	0.74	0.74	0.67	0.64	0.59
Health care and social assistance	0.91	0.96	0.94	0.96	0.95
Arts, entertainment, and recreation	0.76	0.72	0.66	N/A	N/A
Accommodation and food services	0.90	0.90	0.85	0.84	0.87
Other services, except public administration	1.10	0.98	0.96	0.95	0.93
Government and government enterprises	0.90	0.88	0.90	0.93	0.93
Federal, civilian	0.86	0.83	0.85	0.85	0.84
Military	0.35	0.33	0.32	0.32	0.30
State and local	0.97	0.95	0.98	1.01	1.01
State government	0.13	0.13	0.13	0.13	0.13
Local government	1.44	1.41	1.45	1.50	1.50
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 3: San Juan County Total Employment by Industry 2014		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	53,400	81.72
Proprietors employment	11,943	18.28
Farm proprietors employment	2,344	3.59
Nonfarm proprietors employment	9,599	14.69
By industry		
Farm employment	2,661	4.07
Nonfarm employment	62,682	95.93
Private nonfarm employment	51,022	78.08
Forestry, fishing, and related activities	(D)	N/A
Mining	8,390	12.84
Utilities	919	1.41
Construction	4,466	6.83
Manufacturing	1,840	2.82
Wholesale trade	2,139	3.27
Retail trade	7,386	11.30
Transportation and warehousing	1,800	2.75
Information	339	0.52
Finance and insurance	1,389	2.13
Real estate and rental and leasing	1,952	2.99
Professional, scientific, and technical services	1,720	2.63
Management of companies and enterprises	278	0.43
Administrative and waste management services	1,807	2.77
Educational services	598	0.92
Health care and social assistance	7,171	10.97
Arts, entertainment, and recreation	(D)	N/A
Accommodation and food services	4,596	7.03
Other services, except public administration	3,128	4.79
Government and government enterprises	11,660	17.84
Federal, civilian	1,496	2.29
Military	321	0.49
State and local	9,843	15.06
State government	461	0.71
Local government	9,382	14.36
Total employment	65,343	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 2010-2014

Number of jobs by industry	2010	2011	2012	2013	2014
By type					
Wage and salary employment	50,468	51,062	52,134	52,491	53,400
Proprietors employment	11,909	12,175	12,035	11,748	11,943
Farm proprietors employment	1,994	2,222	2,346	2,354	2,344
Nonfarm proprietors employment 2/	9,915	9,953	9,689	9,394	9,599
By industry					
Farm employment	2,243	2,502	2,670	2,713	2,661
Nonfarm employment	60,134	60,735	61,499	61,526	62,682
Private nonfarm employment	48,586	49,539	49,957	49,806	51,022
Forestry, fishing, and related activities	(D)	261	(D)	(D)	(D)
Mining	6,650	7,302	7,964	8,000	8,390
Utilities	1,117	1,027	1,016	978	919
Construction	4,769	4,402	4,452	4,379	4,466
Manufacturing	1,746	1,944	1,945	1,777	1,840
Wholesale trade	1,945	1,962	2,060	2,107	2,139
Retail trade	7,199	7,369	7,325	7,228	7,386
Transportation and warehousing	1,504	1,607	1,704	1,717	1,800
Information	(D)	378	(D)	346	339
Finance and insurance	1,371	1,396	1,395	1,378	1,389
Real estate and rental and leasing	(D)	1,928	1,860	1,937	1,952
Professional, scientific, and technical services	1,698	1,653	1,659	1,690	1,720
Management of companies and enterprises	256	238	258	273	278
Administrative and waste management services	1,901	1,807	1,775	1,766	1,807
Educational services	728	715	649	626	598
Health care and social assistance	6,411	6,936	6,934	7,091	7,171
Arts, entertainment, and recreation	1,027	991	943	(D)	(D)
Accommodation and food services	4,276	4,402	4,243	4,291	4,596
Other services, except public administration	3,482	3,221	3,160	3,076	3,128
Government and government enterprises	11,548	11,196	11,542	11,720	11,660
Federal, civilian	1,704	1,602	1,613	1,545	1,496
Military	353	357	354	347	321
State and local	9,491	9,237	9,575	9,828	9,843
State government	474	457	452	458	461
Local government	9,017	8,780	9,123	9,370	9,382
Total employment	62,377	63,237	64,169	64,239	65,343

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

Table 5: New Mexico Employment by Industry 2010-2014					
Number of jobs by industry	2010	2011	2012	2013	2014
By type					
Wage and salary employment	837,320	837,281	839,789	846,885	853,031
Proprietors employment	222,287	226,512	226,191	226,600	229,851
Farm proprietors employment	19,083	20,715	21,436	21,547	21,470
Nonfarm proprietors employment	203,204	205,797	204,755	205,053	208,381
By industry					
Farm employment	25,630	27,323	28,370	29,218	28,250
Nonfarm employment	1,033,977	1,036,470	1,037,610	1,044,267	1,054,632
Private nonfarm employment	816,542	822,659	825,711	833,413	845,765
Forestry, fishing, and related activities	5,215	5,237	5,149	5,260	5,641
Mining	27,022	28,356	34,227	36,850	39,435
Utilities	4,565	4,508	4,542	4,623	4,612
Construction	61,238	59,293	57,937	59,216	59,945
Manufacturing	34,537	35,613	35,664	35,444	34,774
Wholesale trade	26,801	26,373	26,083	26,136	26,159
Retail trade	110,226	111,331	111,668	112,557	113,598
Transportation and warehousing	23,351	24,281	25,294	25,408	26,133
Information	17,114	16,469	16,468	16,070	15,567
Finance and insurance	34,550	35,451	35,046	34,666	35,153
Real estate and rental and leasing	39,916	39,833	38,412	38,437	38,678
Professional, scientific, and technical services	78,331	77,473	76,057	75,807	76,505
Management of companies and enterprises	5,406	5,504	5,457	5,514	5,504
Administrative and waste management services	54,266	54,742	53,383	54,572	54,708
Educational services	16,734	16,208	16,094	16,326	16,855
Health care and social assistance	119,378	121,489	123,078	123,434	125,250
Arts, entertainment, and recreation	22,981	23,007	23,586	23,621	23,803
Accommodation and food services	81,122	82,309	83,126	85,409	87,918
Other services, except public administration	53,789	55,182	54,440	54,063	55,527
Government and government enterprises	217,435	213,811	211,899	210,854	208,867
Federal, civilian	33,728	32,611	31,631	30,389	29,538
Military	17,136	18,057	18,178	18,350	17,563
State and local	166,571	163,143	162,090	162,115	161,766
State government	60,408	58,306	57,523	57,775	58,152
Local government	106,163	104,837	104,567	104,340	103,614
Total employment	1,059,607	1,063,793	1,065,980	1,073,485	1,082,882

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

Table 6: United States Employment by Industry 2010-2014					
Number of jobs by industry	2010	2011	2012	2013	2014
By type					
Wage and salary employment	135,526,000	137,105,000	139,721,000	141,997,000	144,891,000
Proprietors employment	37,508,700	39,173,700	39,360,700	40,393,100	40,907,800
Farm proprietors employment	1,882,000	1,876,000	1,844,000	1,856,000	1,841,000
Nonfarm proprietors employment 2/	35,626,700	37,297,700	37,516,700	38,537,100	39,066,800
By industry					
Farm employment	2,636,000	2,639,000	2,623,000	2,646,000	2,643,000
Nonfarm employment	170,398,700	173,639,700	176,458,700	179,744,100	183,155,800
Private nonfarm employment	145,726,700	149,350,700	152,356,700	155,707,100	159,125,800
Forestry, fishing, and related activities	855,400	860,600	886,400	913,100	937,000
Mining	1,268,000	1,244,000	1,551,200	1,605,000	1,692,000
Utilities	582,200	575,500	577,600	578,300	582,400
Construction	8,793,700	8,774,800	8,944,800	9,260,800	9,610,400
Manufacturing	12,102,900	12,385,700	12,605,200	12,765,200	12,993,400
Wholesale trade	6,024,000	6,160,300	6,243,500	6,342,100	6,419,700
Retail trade	17,591,600	17,954,300	18,085,800	18,391,100	18,710,900
Transportation and warehousing	5,474,200	5,684,800	5,872,400	6,004,800	6,225,000
Information	3,222,600	3,230,000	3,224,700	3,266,600	3,302,000
Finance and insurance	9,202,400	9,751,500	9,702,300	9,817,300	9,833,100
Real estate and rental and leasing	7,697,000	7,936,300	7,859,200	8,062,800	8,135,100
Professional, scientific, and technical services	11,755,800	11,970,100	12,211,200	12,540,300	12,822,700
Management of companies and enterprises	2,019,400	2,080,600	2,180,200	2,264,000	2,336,000
Administrative and waste management services	10,402,200	10,753,600	11,035,400	11,380,900	11,734,900
Educational services	4,089,900	4,122,600	4,198,200	4,325,100	4,439,000
Health care and social assistance	19,089,900	19,417,200	20,112,500	20,486,200	20,832,900
Arts, entertainment, and recreation	3,788,400	3,873,300	3,980,900	4,048,800	4,149,400
Accommodation and food services	11,986,300	12,343,400	12,670,500	13,103,200	13,476,300
Other services, except public administration	9,780,800	10,232,100	10,414,700	10,551,500	10,893,600
Government and government enterprises	24,672,000	24,289,000	24,102,000	24,037,000	24,030,000
Federal, civilian	3,035,000	2,918,000	2,875,000	2,825,000	2,790,000
Military	2,100,000	2,081,000	2,056,000	2,032,000	1,982,000
State and local	19,537,000	19,290,000	19,171,000	19,180,000	19,258,000
State government	5,293,000	5,266,000	5,254,000	5,263,000	5,280,000
Local government	14,244,000	14,024,000	13,917,000	13,917,000	13,978,000
Total employment	173,034,700	176,278,700	179,081,700	182,390,100	185,798,800

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 2014			
	United States	New Mexico	San Juan County
By type			
Wage and salary employment	77.98	78.77	81.72
Proprietors employment	22.02	21.23	18.28
Farm proprietors employment	0.99	1.98	3.59
Nonfarm proprietors employment	21.03	19.24	14.69
By industry			
Farm employment	1.42	2.61	4.07
Nonfarm employment	98.58	97.39	95.93
Private nonfarm employment	85.64	78.10	78.08
Forestry, fishing, and related activities	0.50	0.52	N/A
Mining	0.91	3.64	12.84
Utilities	0.31	0.43	1.41
Construction	5.17	5.54	6.83
Manufacturing	6.99	3.21	2.82
Wholesale trade	3.46	2.42	3.27
Retail trade	10.07	10.49	11.30
Transportation and warehousing	3.35	2.41	2.75
Information	1.78	1.44	0.52
Finance and insurance	5.29	3.25	2.13
Real estate and rental and leasing	4.38	3.57	2.99
Professional, scientific, and technical services	6.90	7.06	2.63
Management of companies and enterprises	1.26	0.51	0.43
Administrative and waste management services	6.32	5.05	2.77
Educational services	2.39	1.56	0.92
Health care and social assistance	11.21	11.57	10.97
Arts, entertainment, and recreation	2.23	2.20	N/A
Accommodation and food services	7.25	8.12	7.03
Other services, except public administration	5.86	5.13	4.79
Government and government enterprises	12.93	19.29	17.84
Federal, civilian	1.50	2.73	2.29
Military	1.07	1.62	0.49
State and local	10.36	14.94	15.06
State government	2.84	5.37	0.71
Local government	7.52	9.57	14.36
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 2010-2014

Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	80.91	80.75	81.24	81.71	81.72
Proprietors employment	19.09	19.25	18.76	18.29	18.28
Farm proprietors employment	3.20	3.51	3.66	3.66	3.59
Nonfarm proprietors employment	15.90	15.74	15.10	14.62	14.69
By industry					
Farm employment	3.60	3.96	4.16	4.22	4.07
Nonfarm employment	96.40	96.04	95.84	95.78	95.93
Private nonfarm employment	77.89	78.34	77.85	77.53	78.08
Forestry, fishing, and related activities	N/A	0.41	N/A	N/A	N/A
Mining	10.66	11.55	12.41	12.45	12.84
Utilities	1.79	1.62	1.58	1.52	1.41
Construction	7.65	6.96	6.94	6.82	6.83
Manufacturing	2.80	3.07	3.03	2.77	2.82
Wholesale trade	3.12	3.10	3.21	3.28	3.27
Retail trade	11.54	11.65	11.42	11.25	11.30
Transportation and warehousing	2.41	2.54	2.66	2.67	2.75
Information	N/A	0.60	N/A	0.54	0.52
Finance and insurance	2.20	2.21	2.17	2.15	2.13
Real estate and rental and leasing	N/A	3.05	2.90	3.02	2.99
Professional, scientific, and technical services	2.72	2.61	2.59	2.63	2.63
Management of companies and enterprises	0.41	0.38	0.40	0.42	0.43
Administrative and waste management services	3.05	2.86	2.77	2.75	2.77
Educational services	1.17	1.13	1.01	0.97	0.92
Health care and social assistance	10.28	10.97	10.81	11.04	10.97
Arts, entertainment, and recreation	1.65	1.57	1.47	N/A	N/A
Accommodation and food services	6.86	6.96	6.61	6.68	7.03
Other services, except public administration	5.58	5.09	4.92	4.79	4.79
Government and government enterprises	18.51	17.70	17.99	18.24	17.84
Federal, civilian	2.73	2.53	2.51	2.41	2.29
Military	0.57	0.56	0.55	0.54	0.49
State and local	15.22	14.61	14.92	15.30	15.06
State government	0.76	0.72	0.70	0.71	0.71
Local government	14.46	13.88	14.22	14.59	14.36
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 2010-2014					
Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	79.02	78.71	78.78	78.89	78.77
Proprietors employment	20.98	21.29	21.22	21.11	21.23
Farm proprietors employment	1.80	1.95	2.01	2.01	1.98
Nonfarm proprietors employment	19.18	19.35	19.21	19.10	19.24
By industry					
Farm employment	2.42	2.57	2.66	2.72	2.61
Nonfarm employment	97.58	97.43	97.34	97.28	97.39
Private nonfarm employment	77.06	77.33	77.46	77.64	78.10
Forestry, fishing, and related activities	0.49	0.49	0.48	0.49	0.52
Mining	2.55	2.67	3.21	3.43	3.64
Utilities	0.43	0.42	0.43	0.43	0.43
Construction	5.78	5.57	5.44	5.52	5.54
Manufacturing	3.26	3.35	3.35	3.30	3.21
Wholesale trade	2.53	2.48	2.45	2.43	2.42
Retail trade	10.40	10.47	10.48	10.49	10.49
Transportation and warehousing	2.20	2.28	2.37	2.37	2.41
Information	1.62	1.55	1.54	1.50	1.44
Finance and insurance	3.26	3.33	3.29	3.23	3.25
Real estate and rental and leasing	3.77	3.74	3.60	3.58	3.57
Professional, scientific, and technical services	7.39	7.28	7.13	7.06	7.06
Management of companies and enterprises	0.51	0.52	0.51	0.51	0.51
Administrative and waste management services	5.12	5.15	5.01	5.08	5.05
Educational services	1.58	1.52	1.51	1.52	1.56
Health care and social assistance	11.27	11.42	11.55	11.50	11.57
Arts, entertainment, and recreation	2.17	2.16	2.21	2.20	2.20
Accommodation and food services	7.66	7.74	7.80	7.96	8.12
Other services, except public administration	5.08	5.19	5.11	5.04	5.13
Government and government enterprises	20.52	20.10	19.88	19.64	19.29
Federal, civilian	3.18	3.07	2.97	2.83	2.73
Military	1.62	1.70	1.71	1.71	1.62
State and local	15.72	15.34	15.21	15.10	14.94
State government	5.70	5.48	5.40	5.38	5.37
Local government	10.02	9.86	9.81	9.72	9.57
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 2010-2014					
Description	2010	2011	2012	2013	2014
By type					
Wage and salary employment	78.32	77.78	78.02	77.85	77.98
Proprietors employment	21.68	22.22	21.98	22.15	22.02
Farm proprietors employment	1.09	1.06	1.03	1.02	0.99
Nonfarm proprietors employment	20.59	21.16	20.95	21.13	21.03
By industry					
Farm employment	1.52	1.50	1.46	1.45	1.42
Nonfarm employment	98.48	98.50	98.54	98.55	98.58
Private nonfarm employment	84.22	84.72	85.08	85.37	85.64
Forestry, fishing, and related activities	0.49	0.49	0.49	0.50	0.50
Mining	0.73	0.71	0.87	0.88	0.91
Utilities	0.34	0.33	0.32	0.32	0.31
Construction	5.08	4.98	4.99	5.08	5.17
Manufacturing	6.99	7.03	7.04	7.00	6.99
Wholesale trade	3.48	3.49	3.49	3.48	3.46
Retail trade	10.17	10.19	10.10	10.08	10.07
Transportation and warehousing	3.16	3.22	3.28	3.29	3.35
Information	1.86	1.83	1.80	1.79	1.78
Finance and insurance	5.32	5.53	5.42	5.38	5.29
Real estate and rental and leasing	4.45	4.50	4.39	4.42	4.38
Professional, scientific, and technical services	6.79	6.79	6.82	6.88	6.90
Management of companies and enterprises	1.17	1.18	1.22	1.24	1.26
Administrative and waste management services	6.01	6.10	6.16	6.24	6.32
Educational services	2.36	2.34	2.34	2.37	2.39
Health care and social assistance	11.03	11.02	11.23	11.23	11.21
Arts, entertainment, and recreation	2.19	2.20	2.22	2.22	2.23
Accommodation and food services	6.93	7.00	7.08	7.18	7.25
Other services, except public administration	5.65	5.80	5.82	5.79	5.86
Government and government enterprises	14.26	13.78	13.46	13.18	12.93
Federal, civilian	1.75	1.66	1.61	1.55	1.50
Military	1.21	1.18	1.15	1.11	1.07
State and local	11.29	10.94	10.71	10.52	10.36
State government	3.06	2.99	2.93	2.89	2.84
Local government	8.23	7.96	7.77	7.63	7.52
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