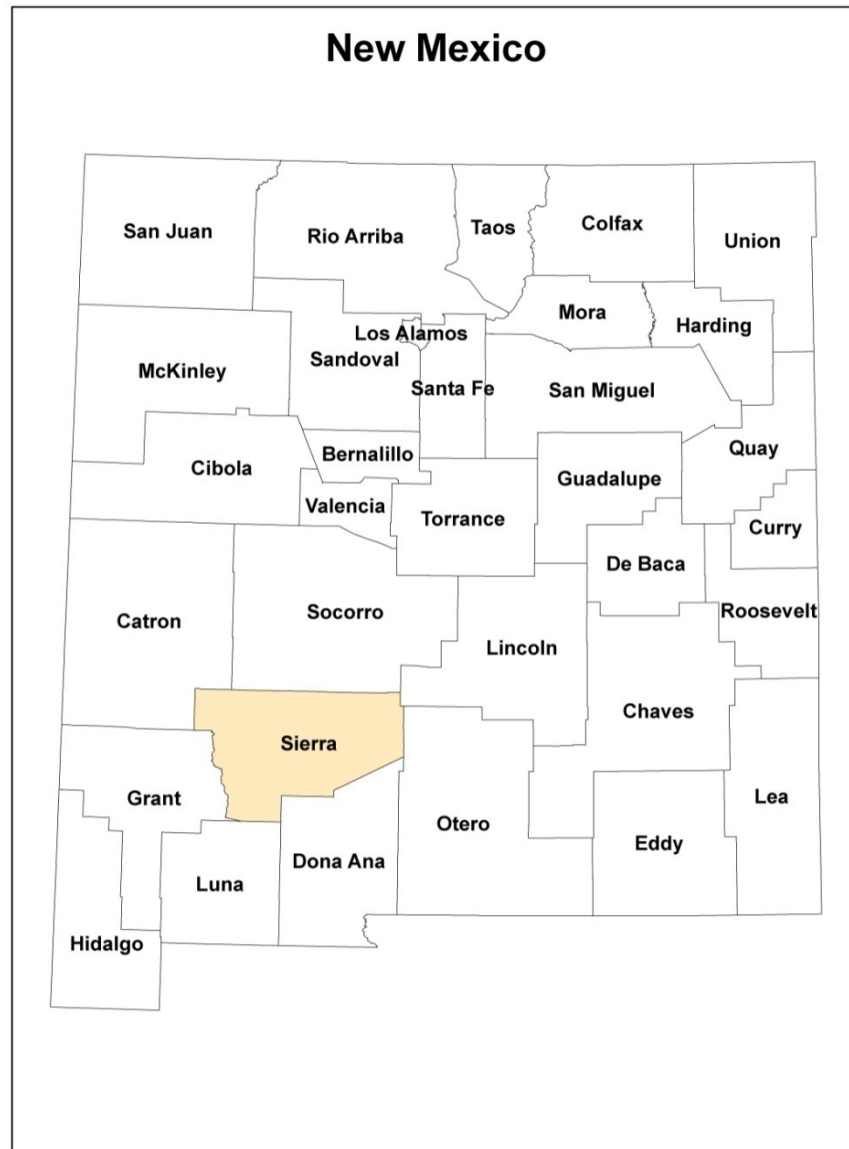




The Economic Base of Sierra County, NM

**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. 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. 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:

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

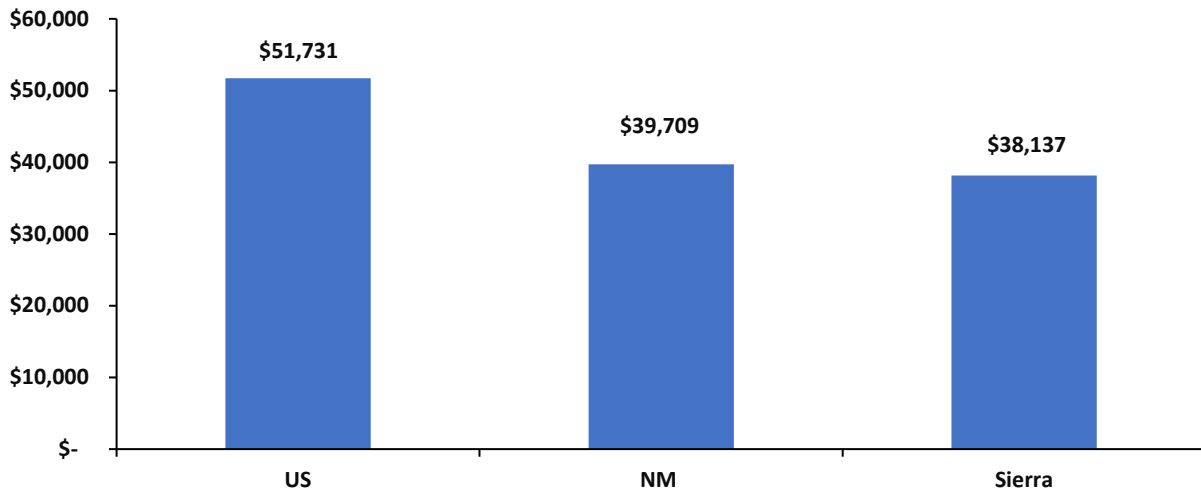
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national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

Sierra County, New Mexico

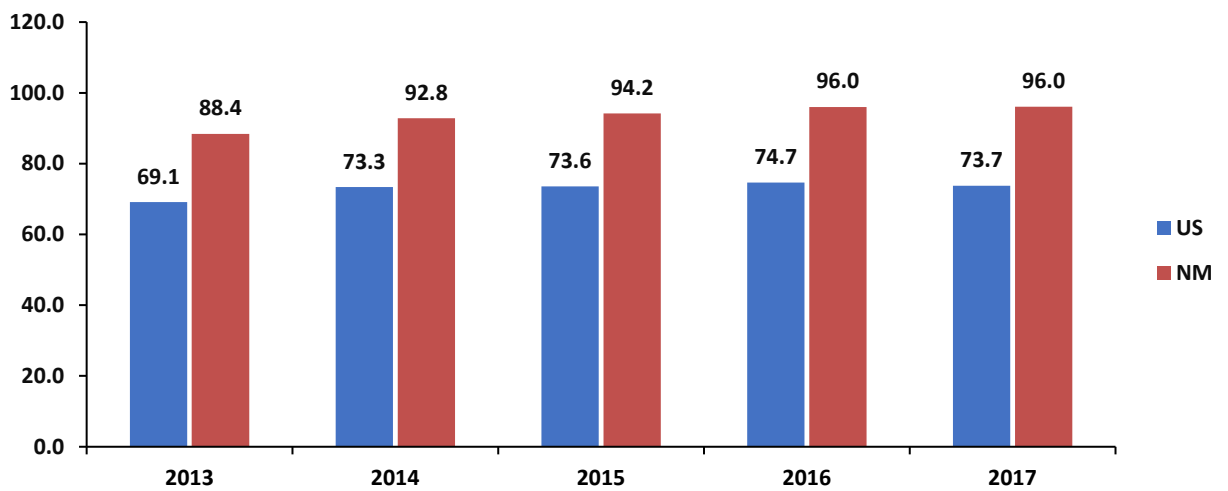
Sierra County is located in southwestern New Mexico and contains 4,178.96 square miles, or 3.45 percent of the land area in New Mexico. In 2017, Sierra County ranked 25th in the state in terms of population with 11,116 habitants, 53 percent of the state's total population. The City of Truth or Consequences as the main city in Sierra County had a population 5,948 in 2017, representing 53.51 percent of Sierra County total population. Between 2013 and 2017, the population in Sierra County decreased by 3.54 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: Sierra County (2017)



In 2017, per capita personal income for Sierra County was \$38,137 ranking 14th in the state in terms of per capita personal income (See Figure 1). Per capita personal income in Sierra County for 2017 was 96.04 percent of the corresponding state figure of \$39,709 and 73.72 percent of the national average of \$51,731 (See Figure 2). The 23 percent growth of per capita income for Sierra County between 2013 and 2017 was significantly higher compared to the state’s growth of 13.21 percent and the nation’s per capita income growth of 15.34 percent.

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



Total employment in Sierra County was 4,999 in 2017. Total employment in Sierra County increased by 3.74 percent between 2013 and 2017 compared to the increase experienced statewide (2.08 percent) and nationwide (7.57 percent). The Sierra County employment to population ratio was 0.45. This ratio is much lower compared to New Mexico (0.52) and the United States (0.60).

In 2017, 74.95 percent of total employment in Sierra County was in the Private sector. Government and government enterprises accounted for 18.34 percent and Farm employment accounted for 6.70 percent of total employment. Local and state governments were the largest employers in the public sector with 9.78 and 6.28 percent of total employment, respectively. Federal / civilian employment accounted for 1.72 percent; Military employment represented 0.56 percent of total employment in the county. In the private sector, the industries with the highest percentages of total employment included: Retail trade (12.14 percent), Accommodations and food services (10.04), and Construction (6.52). Sierra County employment by sector is displayed in Table 3.

Basic and Non-Basic Industries in Sierra County, New Mexico

Table 1 contains LQs for Sierra County from 2013 to 2017 calculated using data for the United States as basis for comparison. Table 2 contains LQs for Sierra County from 2013 to 2017 calculated with respect to the state of New Mexico. For the purposes of this report, a LQ greater than 1.0 with respect to the U.S. employment is considered as a basic industry. Sectors with LQs greater than 1.0 have been shaded.

Within the private sector, the great importance of agriculture in Sierra County as an exporting industry is reflected in its LQs for this sector. In 2017, its LQ was 5.00 with LQs greater than 4.70 for all years considered. The importance of the tourism industry is reflected in the large LQs from Accommodation and food services, Arts, entertainment, and recreation. These two sectors are to be considered as basic industries given that the services are likely to be provided to visitors from outside the Sierra, reflecting the large tourism bases of Elephant Butte Lake State Park and the mineral hot springs of Truth or Consequences. Accommodation and food services sector had a LQ of 1.34 in 2017. Arts, entertainment, and recreation had LQs of 1.01 for 2017.

Other industries in the private sector with LQs above 1.0 in 2017 included: Construction with an LQ of 1.20, Utilities with an LQ of 2.60, and Retail trade with a LQ of 1.24. However, given that these industries are providing support to previous mentioned basic industries, they are considered as non-basic or support industries.

For the public sector, the entry labeled government and government enterprises is the aggregate figure of all government levels listed as government categories. All of the government sectors, with the exception of military employment, have LQs greater than 1.0 in 2017. State government, Local government, and Federal / civilian had LQs of 2.30, 1.35, and 1.18 in 2017 respectively. However, local government is generally categorized as non-basic given that all local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Sierra County will be considered as a non-basic industry.

The data for 2017 suggest that in Sierra County, the following industries are to be considered basic:

1. Accommodation and food services, accounted for 502 jobs.
2. The Agriculture industry with Farm employment, accounted for 335 jobs.
3. State government, accounted for 314 jobs.
4. Arts, entertainment, and recreation, accounted for 115 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 Sierra County, the multiplier is equal to 3.95 (4,999/1,266). This ratio suggests that any additional basic sector job in Sierra County would be associated with additional 3.95 non-basic sector jobs. The export base multiplier (3.95) calculated above reinforces the importance of basic (exporting) industries to the economy of Sierra County. 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. In the case of Sierra County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

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.

Changes from Prior Year

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 in Sierra County decreased by 0.16 percent. The 2.39 percent growth of per capita income for Sierra County between 2016 and 2017 was slightly higher than the state percent growth of 2.36 percent but also slightly lower than the nation's per capita income percent growth of 3.70 percent during the same time period. Per capita personal income went from \$37,248 in 2016 to \$38,137 in 2017. Due to unavailable employment data in the Mining sector, we were not able to calculate a LQ and it was not included as a basic industry for this update.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Sierra County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.90	0.90	0.91	0.91	0.91
Proprietors employment	1.37	1.35	1.30	1.30	1.31
Farm proprietors employment	4.48	4.60	4.73	4.73	4.81
Nonfarm proprietors employment	1.22	1.20	1.15	1.15	1.17
By industry					
Farm employment	4.85	4.73	4.97	5.17	5.00
Nonfarm employment	0.94	0.95	0.94	0.94	0.95
Private nonfarm employment	0.87	0.87	0.87	0.87	0.87
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	1.77	2.06	2.15	2.25	2.60
Construction	1.37	1.34	1.33	1.18	1.20
Manufacturing	0.37	0.38	0.35	0.40	0.40
Wholesale trade	0.15	0.18	0.20	0.13	0.13
Retail trade	1.15	1.20	1.15	1.19	1.24
Transportation and warehousing	0.44	0.37	0.38	0.33	0.34
Information	0.43	0.39	0.34	0.36	0.36
Finance and insurance	0.40	0.43	0.38	0.44	0.43
Real estate and rental and leasing	0.89	0.83	0.82	0.74	0.75
Professional, scientific, and technical services	0.46	0.43	0.39	0.39	0.38
Management of companies and enterprises	0.00	0.29	0.35	0.48	N/A
Administrative and waste management services	0.25	0.18	0.24	0.25	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	1.02	0.92	1.16	1.24	1.01
Accommodation and food services	1.35	1.39	1.42	1.31	1.34
Other services, except public administration	0.99	1.01	0.95	0.95	0.98
Government and government enterprises	1.41	1.46	1.43	1.45	1.47
Federal, civilian	1.46	1.49	1.31	1.17	1.18
Military	0.58	0.55	0.58	0.56	0.57
State and local	1.49	1.55	1.53	1.57	1.61
State government	1.93	2.02	2.08	2.22	2.30
Local government	1.33	1.37	1.32	1.33	1.35
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 2: Location Quotients for Sierra County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.89	0.89	0.90	0.90	0.90
Proprietors employment	1.42	1.41	1.38	1.38	1.38
Farm proprietors employment	2.28	2.30	2.32	2.29	2.28
Nonfarm proprietors employment	1.33	1.32	1.28	1.29	1.29
By industry					
Farm employment	2.59	2.58	2.62	2.60	2.57
Nonfarm employment	0.96	0.96	0.96	0.96	0.96
Private nonfarm employment	0.96	0.95	0.96	0.96	0.95
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	1.30	1.51	1.57	1.61	1.90
Construction	1.26	1.26	1.26	1.14	1.14
Manufacturing	0.79	0.84	0.78	0.90	0.91
Wholesale trade	0.21	0.24	0.27	0.18	0.18
Retail trade	1.10	1.14	1.10	1.14	1.20
Transportation and warehousing	0.61	0.52	0.56	0.52	0.54
Information	0.51	0.48	0.41	0.42	0.44
Finance and insurance	0.67	0.69	0.63	0.71	0.69
Real estate and rental and leasing	1.10	1.04	1.03	0.93	0.95
Professional, scientific, and technical services	0.44	0.42	0.38	0.38	0.37
Management of companies and enterprises	0.00	0.72	0.83	1.11	N/A
Administrative and waste management services	0.31	0.23	0.31	0.32	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	1.02	0.93	1.16	1.26	1.02
Accommodation and food services	1.22	1.24	1.27	1.15	1.18
Other services, except public administration	1.14	1.16	1.09	1.08	1.11
Government and government enterprises	0.95	0.97	0.95	0.95	0.98
Federal, civilian	0.80	0.82	0.73	0.64	0.64
Military	0.38	0.36	0.38	0.36	0.35
State and local	1.04	1.07	1.05	1.07	1.10
State government	1.05	1.06	1.08	1.14	1.20
Local government	1.04	1.07	1.03	1.03	1.05
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 3: Sierra County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	3,514	70.29
Proprietors employment	1,485	29.71
Farm proprietors employment	222	4.44
Nonfarm proprietors employment	1,263	25.27
By industry		
Farm employment	335	6.70
Nonfarm employment	4,664	93.30
Private nonfarm employment	3,747	74.95
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	44	0.88
Construction	326	6.52
Manufacturing	137	2.74
Wholesale trade	21	0.42
Retail trade	607	12.14
Transportation and warehousing	66	1.32
Information	31	0.62
Finance and insurance	115	2.30
Real estate and rental and leasing	175	3.50
Professional, scientific, and technical services	133	2.66
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	(D)	N/A
Educational services	(D)	N/A
Health care and social assistance	(D)	N/A
Arts, entertainment, and recreation	115	2.30
Accommodation and food services	502	10.04
Other services, except public administration	280	5.60
Government and government enterprises	917	18.34
Federal, civilian	86	1.72
Military	28	0.56
State and local	803	16.06
State government	314	6.28
Local government	489	9.78
Total employment	4,999	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 4: Sierra County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	3361	3384	3466	3524	3514
Proprietors employment	1458	1452	1433	1458	1485
Farm proprietors employment	220	220	223	222	222
Nonfarm proprietors employment 2/	1238	1232	1210	1236	1263
By industry					
Farm employment	339	325	339	352	335
Nonfarm employment	4480	4511	4560	4630	4664
Private nonfarm employment	3582	3600	3672	3724	3747
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	(D)	(D)	(D)	(D)	(D)
Utilities	27	31	33	36	44
Construction	335	334	338	313	326
Manufacturing	126	127	119	136	137
Wholesale trade	25	31	35	21	21
Retail trade	558	581	566	591	607
Transportation and warehousing	70	60	68	63	66
Information	37	34	29	31	31
Finance and insurance	105	107	97	116	115
Real estate and rental and leasing	190	181	184	169	175
Professional, scientific, and technical services	151	144	133	135	133
Management of companies and enterprises	0	18	22	32	(D)
Administrative and waste management services	75	56	74	78	(D)
Educational services	(D)	(D)	(D)	(D)	(D)
Health care and social assistance	(D)	(D)	(D)	(D)	(D)
Arts, entertainment, and recreation	109	101	126	139	115
Accommodation and food services	469	489	512	486	502
Other services, except public administration	276	285	273	272	280
Government and government enterprises	898	911	888	906	917
Federal, civilian	109	108	95	86	86
Military	31	28	29	28	28
State and local	758	775	764	792	803
State government	271	279	287	306	314
Local government	487	496	477	486	489
Total employment	4819	4836	4899	4982	4999

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 5: New Mexico Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
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
By industry					
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
Total employment	1075465	1083392	1091873	1092406	1097872

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 6: United States Employment by Industry 2012-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
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
By industry					
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
Total employment	182,325,100.00	186,235,800.00	190,317,800.00	193,368,900.00	196,132,200.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 7: Sierra County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Sierra County
By type			
Wage and salary employment	77.41	78.54	70.29
Proprietors employment	22.59	21.46	29.71
Farm proprietors employment	0.92	1.95	4.44
Nonfarm proprietors employment	21.67	19.51	25.27
By industry			
Farm employment	1.34	2.61	6.70
Nonfarm employment	98.66	97.39	93.30
Private nonfarm employment	86.22	78.60	74.95
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	0.88
Construction	5.42	5.70	6.52
Manufacturing	6.78	3.03	2.74
Wholesale trade	3.30	2.27	0.42
Retail trade	9.80	10.15	12.14
Transportation and warehousing	3.91	2.46	1.32
Information	1.73	1.40	0.62
Finance and insurance	5.36	3.35	2.30
Real estate and rental and leasing	4.64	3.70	3.50
Professional, scientific, and technical services	7.00	7.25	2.66
Management of companies and enterprises	1.36	0.59	N/A
Administrative and waste management services	6.16	5.04	N/A
Educational services	2.39	1.55	N/A
Health care and social assistance	11.32	12.27	N/A
Arts, entertainment, and recreation	2.27	2.26	2.30
Accommodation and food services	7.49	8.47	10.04
Other services, except public administration	5.69	5.05	5.60
Government and government enterprises	12.44	18.79	18.34
Federal, civilian	1.46	2.67	1.72
Military	0.98	1.58	0.56
State and local	10.00	14.54	16.06
State government	2.74	5.25	6.28
Local government	7.27	9.29	9.78
Total employment	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 8: Sierra County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	69.74	69.98	70.75	70.73	70.29
Proprietors employment	30.26	30.02	29.25	29.27	29.71
Farm proprietors employment	4.57	4.55	4.55	4.46	4.44
Nonfarm proprietors employment	25.69	25.48	24.70	24.81	25.27
By industry					
Farm employment	7.03	6.72	6.92	7.07	6.70
Nonfarm employment	92.97	93.28	93.08	92.93	93.30
Private nonfarm employment	74.33	74.44	74.95	74.75	74.95
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	0.56	0.64	0.67	0.72	0.88
Construction	6.95	6.91	6.90	6.28	6.52
Manufacturing	2.61	2.63	2.43	2.73	2.74
Wholesale trade	0.52	0.64	0.71	0.42	0.42
Retail trade	11.58	12.01	11.55	11.86	12.14
Transportation and warehousing	1.45	1.24	1.39	1.26	1.32
Information	0.77	0.70	0.59	0.62	0.62
Finance and insurance	2.18	2.21	1.98	2.33	2.30
Real estate and rental and leasing	3.94	3.74	3.76	3.39	3.50
Professional, scientific, and technical services	3.13	2.98	2.71	2.71	2.66
Management of companies and enterprises	0.00	0.37	0.45	0.64	N/A
Administrative and waste management services	1.56	1.16	1.51	1.57	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	2.26	2.09	2.57	2.79	2.30
Accommodation and food services	9.73	10.11	10.45	9.76	10.04
Other services, except public administration	5.73	5.89	5.57	5.46	5.60
Government and government enterprises	18.63	18.84	18.13	18.19	18.34
Federal, civilian	2.26	2.23	1.94	1.73	1.72
Military	0.64	0.58	0.59	0.56	0.56
State and local	15.73	16.03	15.60	15.90	16.06
State government	5.62	5.77	5.86	6.14	6.28
Local government	10.11	10.26	9.74	9.76	9.78
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at 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
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculations

Table 10: United States Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation