

October 2017

Pioneer Technology Center

Economy Overview



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40053	Grant County, OK
40071	Kay County, OK
40103	Noble County, OK
40113	Osage County, OK

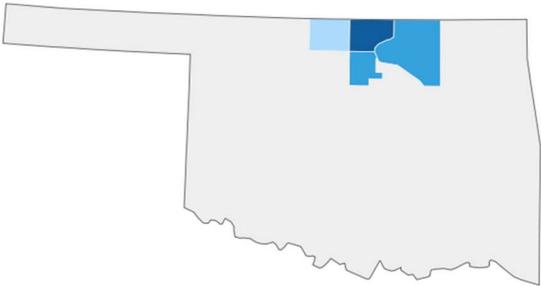
Timeframe

2001 - 2016

Datarun

2017.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Economy Overview



Population (2016)	108.6K
Jobs (2016)	34.7K
Average Earnings (2016)	\$46.6K
Unemployed (1/2017)	2.7K
Completions (2016)	1.0K
GRP (2016)	\$3.6B
Exports (2016)	\$5.5B
Imports (2016)	\$6.6B

Population

108.6K 2016 Population 2.8% of State	-1.4% Population Growth for the Last 5 Years State Growth 3.6%
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Age Group	2016 Population	% of Population	
Under 5 years	6,470	6.0%	
5 to 9 years	7,317	6.7%	
10 to 14 years	7,454	6.9%	
15 to 19 years	7,117	6.6%	
20 to 24 years	6,150	5.7%	
25 to 29 years	6,231	5.7%	
30 to 34 years	6,331	5.8%	
35 to 39 years	6,177	5.7%	
40 to 44 years	5,875	5.4%	
45 to 49 years	6,261	5.8%	
50 to 54 years	7,340	6.8%	
55 to 59 years	7,807	7.2%	
60 to 64 years	7,193	6.6%	
65 to 69 years	6,668	6.1%	
70 to 74 years	5,082	4.7%	
75 to 79 years	3,833	3.5%	
80 to 84 years	2,778	2.6%	
85 years and over	2,511	2.3%	

Jobs by Industry

34,652 Total Jobs (2016)		56.5% Male (National: 51.4%)		43.5% Female (National: 48.6%)	
NAICS	Industry	2016 Jobs			
11	Crop and Animal Production	400			
21	Mining, Quarrying, and Oil and Gas Extraction	1,033			
22	Utilities	224			
23	Construction	2,648			
31	Manufacturing	3,786			
42	Wholesale Trade	740			
44	Retail Trade	3,526			
48	Transportation and Warehousing	814			
51	Information	302			
52	Finance and Insurance	803			
53	Real Estate and Rental and Leasing	266			
54	Professional, Scientific, and Technical Services	953			
55	Management of Companies and Enterprises	852			
56	Administrative and Support and Waste Management and Remediation Services	1,200			
61	Educational Services	117			
62	Health Care and Social Assistance	3,497			
71	Arts, Entertainment, and Recreation	413			
72	Accommodation and Food Services	2,325			
81	Other Services (except Public Administration)	1,571			
90	Government	9,183			
99	Unclassified Industry	0			

Average Earnings by Industry

\$46.6K

Avg. Earnings (2016)

75% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$33,175	
21	Mining, Quarrying, and Oil and Gas Extraction	\$70,687	
22	Utilities	\$113,577	
23	Construction	\$52,914	
31	Manufacturing	\$63,795	
42	Wholesale Trade	\$55,868	
44	Retail Trade	\$28,825	
48	Transportation and Warehousing	\$60,727	
51	Information	\$48,291	
52	Finance and Insurance	\$53,302	
53	Real Estate and Rental and Leasing	\$38,703	
54	Professional, Scientific, and Technical Services	\$61,755	
55	Management of Companies and Enterprises	\$142,226	
56	Administrative and Support and Waste Management and Remediation Services	\$31,790	
61	Educational Services	\$19,619	
62	Health Care and Social Assistance	\$37,780	
71	Arts, Entertainment, and Recreation	\$22,232	
72	Accommodation and Food Services	\$15,176	
81	Other Services (except Public Administration)	\$26,301	
90	Government	\$46,079	
99	Unclassified Industry	\$0	

Unemployment by Industry

2,664

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	4	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	70	3%	■
22	Utilities	11	0%	
23	Construction	216	8%	■
31	Manufacturing	219	8%	■
42	Wholesale Trade	26	1%	■
44	Retail Trade	356	13%	■
48	Transportation and Warehousing	31	1%	■
51	Information	14	1%	■
52	Finance and Insurance	31	1%	■
53	Real Estate and Rental and Leasing	18	1%	■
54	Professional, Scientific, and Technical Services	45	2%	■
55	Management of Companies and Enterprises	11	0%	
56	Administrative and Support and Waste Management and Remediation Services	63	2%	■
61	Educational Services	7	0%	
62	Health Care and Social Assistance	173	6%	■
71	Arts, Entertainment, and Recreation	61	2%	■
72	Accommodation and Food Services	195	7%	■
81	Other Services (except Public Administration)	75	3%	■
90	Government	559	21%	■
99	No Previous Work Experience/Unspecified	480	18%	■

Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	264	
24	Liberal arts and sciences, general studies and humanities	144	
52	Business, management, marketing, and related support services	130	
45	Social sciences	89	
13	Education	71	
12	Personal and culinary services	38	
50	Visual and performing arts	37	
19	Family and consumer sciences/human sciences	36	
15	Engineering technologies and engineering-related fields	34	
26	Biological and biomedical sciences	28	

Gross Regional Product (GRP)

\$2,023.2M	\$1,381.6M	\$211.6M	\$3,616.4M
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$223,305,108.73	6% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$454,976,595.79	13% 
22	Utilities	\$94,562,665.01	3% 
23	Construction	\$223,484,154.62	6% 
31	Manufacturing	\$442,554,383.46	12% 
42	Wholesale Trade	\$100,396,242.45	3% 
44	Retail Trade	\$166,840,840.53	5% 
48	Transportation and Warehousing	\$73,704,889.80	2% 
51	Information	\$39,654,022.91	1% 
52	Finance and Insurance	\$125,879,250.27	3% 
53	Real Estate and Rental and Leasing	\$60,699,842.10	2% 
54	Professional, Scientific, and Technical Services	\$84,701,001.79	2% 
55	Management of Companies and Enterprises	\$163,621,570.34	5% 
56	Administrative and Support and Waste Management and Remediation Services	\$60,234,957.53	2% 

NAICS	Industry	GRP (2016)	% of Total
61	Educational Services	\$2,983,550.96	0%
62	Health Care and Social Assistance	\$152,820,364.05	4% 
71	Arts, Entertainment, and Recreation	\$14,337,964.70	0%
72	Accommodation and Food Services	\$63,336,340.93	2% 
81	Other Services (except Public Administration)	\$58,377,022.45	2% 
90	Government	\$491,949,195.74	14% 
	Other Non-Industries	\$517,954,638.16	14% 

Region Exports

\$5.5B

Exports (2016)

80% of Supply

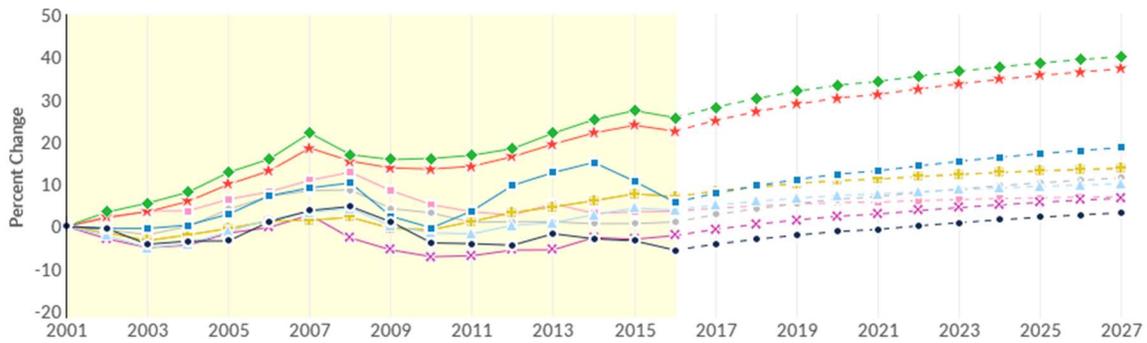
NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	\$558,368,855	
21	Mining, Quarrying, and Oil and Gas Extraction	\$543,512,752	
22	Utilities	\$94,250,911	
23	Construction	\$268,975,687	
31	Manufacturing	\$1,224,489,433	
42	Wholesale Trade	\$96,661,304	
44	Retail Trade	\$208,419,580	
48	Transportation and Warehousing	\$99,447,970	
51	Information	\$77,139,644	
52	Finance and Insurance	\$166,620,599	
53	Real Estate and Rental and Leasing	\$96,590,091	
54	Professional, Scientific, and Technical Services	\$74,048,856	
55	Management of Companies and Enterprises	\$279,050,820	
56	Administrative and Support and Waste Management and Remediation Services	\$67,022,862	
61	Educational Services	\$902,522	
62	Health Care and Social Assistance	\$149,315,905	
71	Arts, Entertainment, and Recreation	\$9,923,839	
72	Accommodation and Food Services	\$119,854,501	
81	Other Services (except Public Administration)	\$39,831,938	
90	Government	\$1,300,772,221	

Region Imports

\$6.6B Imports (2016) 82% of Demand	\$1.4B Locally Produced & Consumed (2016) 18% of Demand
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NAICS	Industry	Imports (2016)
11	Crop and Animal Production	\$109,051,957 
21	Mining, Quarrying, and Oil and Gas Extraction	\$18,670,579 
22	Utilities	\$53,149,299 
23	Construction	\$230,326,900 
31	Manufacturing	\$1,274,844,138 
42	Wholesale Trade	\$335,228,704 
44	Retail Trade	\$373,703,883 
48	Transportation and Warehousing	\$153,158,925 
51	Information	\$279,186,382 
52	Finance and Insurance	\$429,258,891 
53	Real Estate and Rental and Leasing	\$223,598,797 
54	Professional, Scientific, and Technical Services	\$280,086,734 
55	Management of Companies and Enterprises	\$95,483,904 
56	Administrative and Support and Waste Management and Remediation Services	\$93,604,211 
61	Educational Services	\$83,865,530 
62	Health Care and Social Assistance	\$523,479,898 
71	Arts, Entertainment, and Recreation	\$59,759,129 
72	Accommodation and Food Services	\$234,062,610 
81	Other Services (except Public Administration)	\$78,795,566 
90	Government	\$1,662,530,214 

Regional Trends



	Region	2001 Jobs	2016 Jobs	Change	% Change
●	Region	36,707	34,652	-2,055	-5.6%
●	Northwest Technology Center	29,817	31,511	1,694	5.7%
●	Northeast Oklahoma Technology Center	442,440	459,551	17,111	3.9%
●	Moore Norman Technology Center	73,584	92,479	18,895	25.7%
●	Mid-Del Technology Center	462,321	494,891	32,570	7.0%
●	Mid-America Technology Center	114,417	140,171	25,754	22.5%
●	Metro Technology Center	462,321	494,891	32,570	7.0%
●	Meridian Technology Center	67,371	65,918	-1,453	-2.2%
●	Kiamichi Technology Center	100,343	101,389	1,046	1.0%
●	Green Country Technology Center	10,807	11,192	385	3.6%

Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Personal Care Aides	251	
Police and Sheriff's Patrol Officers	247	
Construction Laborers	190	
Laborers and Freight, Stock, and Material Movers, Hand	-226	
Electricians	-231	
Customer Service Representatives	-301	

Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Local Government, Excluding Education and Hospitals	2,777	■
Corporate, Subsidiary, and Regional Managing Offices	807	■
Services for the Elderly and Persons with Disabilities	325	■
Electrical Contractors and Other Wiring Installation Contractors	-560	■
Petroleum Refineries	-724	■
Crude Petroleum and Natural Gas Extraction	-904	■

2016 Educational Attainment



	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	2,867	3.9% 
●	9th Grade to 12th Grade	7,042	9.5% 
●	High School Diploma	27,926	37.7% 
●	Some College	15,966	21.5% 
●	Associate's Degree	6,734	9.1% 
●	Bachelor's Degree	9,365	12.6% 
●	Graduate Degree and Higher	4,190	5.7% 

2016 Age Cohort Demographics



	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	28,359	26.1%	■
●	20 to 39 years	24,889	22.9%	■
●	40 to 59 years	27,284	25.1%	■
●	60 to 79 years	22,777	21.0%	■
●	80 years and over	5,289	4.9%	■

2016 Race/Ethnicity Demographics



	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	6,307	5.8% ■
●	Two or More Races, Non-Hispanic	6,182	5.7% ■
●	Black, Non-Hispanic	6,507	6.0% ■
●	American Indian or Alaskan Native, Non-Hispanic	12,128	11.2% ■
●	White, Non-Hispanic	77,475	71.3% ■

Top Regional Businesses

Business Name	Business Size
Phillips 66 Refinery	Large (250+)
Charles Machine Works Inc	Large (250+)
Dorada Foods	Large (250+)
Osage Casino	Large (250+)
Air System Components Inc	Large (250+)

Appendix A - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data

Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Oklahoma Employment Security Commission