

September 2017

Autry Technology Center

Economy Overview



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40003	Alfalfa County, OK
40047	Garfield County, OK
40053	Grant County, OK
40071	Kay County, OK
40073	Kingfisher County, OK
40083	Logan County, OK
40093	Major County, OK
40103	Noble County, OK

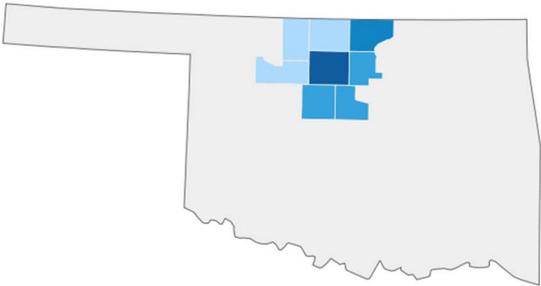
Timeframe

2001 - 2016

Datarun

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

Economy Overview



Population (2016)	199.2K
Jobs (2016)	78.7K
Average Earnings (2016)	\$48.8K
Unemployed (1/2017)	4.0K
Completions (2016)	1.7K
GRP (2016)	\$9.0B
Exports (2016)	\$13.1B
Imports (2016)	\$13.8B

Population

199.2K 2016 Population 5.1% of State	2.6% Population Growth for the Last 5 Years State Growth 3.6%
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Age Group	2016 Population	% of Population	
Under 5 years	13,380	6.7%	
5 to 9 years	14,241	7.1%	
10 to 14 years	13,814	6.9%	
15 to 19 years	13,434	6.7%	
20 to 24 years	12,250	6.1%	
25 to 29 years	11,929	6.0%	
30 to 34 years	12,695	6.4%	
35 to 39 years	12,383	6.2%	
40 to 44 years	10,962	5.5%	
45 to 49 years	11,428	5.7%	
50 to 54 years	12,799	6.4%	
55 to 59 years	13,772	6.9%	
60 to 64 years	12,411	6.2%	
65 to 69 years	10,641	5.3%	
70 to 74 years	7,848	3.9%	
75 to 79 years	6,208	3.1%	
80 to 84 years	4,426	2.2%	
85 years and over	4,599	2.3%	

Jobs by Industry

78,674 Total Jobs (2016)		55.5% Male (National: 51.4%)	44.5% Female (National: 48.6%)
NAICS	Industry	2016 Jobs	
11	Crop and Animal Production	1,936	
21	Mining, Quarrying, and Oil and Gas Extraction	4,138	
22	Utilities	460	
23	Construction	6,454	
31	Manufacturing	6,931	
42	Wholesale Trade	2,392	
44	Retail Trade	8,453	
48	Transportation and Warehousing	2,556	
51	Information	969	
52	Finance and Insurance	2,111	
53	Real Estate and Rental and Leasing	832	
54	Professional, Scientific, and Technical Services	2,792	
55	Management of Companies and Enterprises	1,027	
56	Administrative and Support and Waste Management and Remediation Services	2,963	
61	Educational Services	401	
62	Health Care and Social Assistance	9,092	
71	Arts, Entertainment, and Recreation	894	
72	Accommodation and Food Services	5,330	
81	Other Services (except Public Administration)	3,985	
90	Government	14,958	
99	Unclassified Industry	0	

Average Earnings by Industry

\$48.8K

Avg. Earnings (2016)

79% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$34,542	
21	Mining, Quarrying, and Oil and Gas Extraction	\$96,569	
22	Utilities	\$119,264	
23	Construction	\$62,530	
31	Manufacturing	\$59,866	
42	Wholesale Trade	\$58,194	
44	Retail Trade	\$33,182	
48	Transportation and Warehousing	\$58,495	
51	Information	\$55,021	
52	Finance and Insurance	\$59,180	
53	Real Estate and Rental and Leasing	\$42,809	
54	Professional, Scientific, and Technical Services	\$61,315	
55	Management of Companies and Enterprises	\$127,316	
56	Administrative and Support and Waste Management and Remediation Services	\$33,778	
61	Educational Services	\$26,185	
62	Health Care and Social Assistance	\$42,568	
71	Arts, Entertainment, and Recreation	\$18,676	
72	Accommodation and Food Services	\$16,220	
81	Other Services (except Public Administration)	\$24,754	
90	Government	\$47,899	
99	Unclassified Industry	\$0	

Unemployment by Industry

4,007

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	18	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	169	4%	■
22	Utilities	20	0%	
23	Construction	359	9%	■
31	Manufacturing	322	8%	■
42	Wholesale Trade	71	2%	■
44	Retail Trade	560	14%	■
48	Transportation and Warehousing	79	2%	■
51	Information	36	1%	■
52	Finance and Insurance	60	1%	■
53	Real Estate and Rental and Leasing	38	1%	■
54	Professional, Scientific, and Technical Services	110	3%	■
55	Management of Companies and Enterprises	13	0%	
56	Administrative and Support and Waste Management and Remediation Services	141	4%	■
61	Educational Services	35	1%	■
62	Health Care and Social Assistance	324	8%	■
71	Arts, Entertainment, and Recreation	69	2%	■
72	Accommodation and Food Services	293	7%	■
81	Other Services (except Public Administration)	144	4%	■
90	Government	482	12%	■
99	No Previous Work Experience/Unspecified	665	17%	■

Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	540	
52	Business, management, marketing, and related support services	182	
24	Liberal arts and sciences, general studies and humanities	164	
13	Education	100	
45	Social sciences	93	
12	Personal and culinary services	88	
47	Mechanic and repair technologies/technicians	70	
19	Family and consumer sciences/human sciences	55	
15	Engineering technologies and engineering-related fields	50	
48	Precision production	47	

Gross Regional Product (GRP)

\$4,807.8M	\$3,597.7M	\$602.2M	\$9,007.6M
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$461,717,360. 84	5% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$1,721,226,171. 1.16	19% 
22	Utilities	\$209,736,265. 44	2% 
23	Construction	\$626,355,987. 63	7% 
31	Manufacturing	\$819,307,687. 93	9% 
42	Wholesale Trade	\$306,999,064. 92	3% 
44	Retail Trade	\$453,958,458. 76	5% 
48	Transportation and Warehousing	\$214,792,093. 42	2% 
51	Information	\$178,001,935. 75	2% 
52	Finance and Insurance	\$356,325,605. 51	4% 
53	Real Estate and Rental and Leasing	\$232,324,837. 54	3% 
54	Professional, Scientific, and Technical Services	\$234,181,576. 75	3% 
55	Management of Companies and Enterprises	\$177,069,310. 03	2% 
56	Administrative and Support and Waste Management and Remediation Services	\$152,568,545. 06	2% 

NAICS	Industry	GRP (2016)	% of Total
61	Educational Services	\$12,847,695.29	0%
62	Health Care and Social Assistance	\$443,698,743.78	5% 
71	Arts, Entertainment, and Recreation	\$28,005,515.57	0%
72	Accommodation and Food Services	\$152,467,413.91	2% 
81	Other Services (except Public Administration)	\$138,299,216.66	2% 
90	Government	\$1,002,101,645.62	11% 
	Other Non-Industries	\$1,085,663,961.51	12% 

Region Exports

\$13.1B

Exports (2016)

79% of Supply

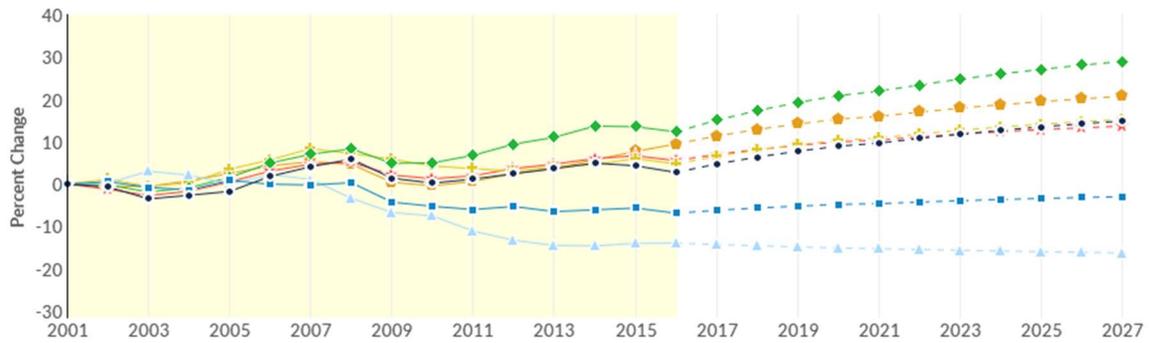
NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	\$1,074,136,187	
21	Mining, Quarrying, and Oil and Gas Extraction	\$2,084,472,839	
22	Utilities	\$201,311,034	
23	Construction	\$823,762,547	
31	Manufacturing	\$2,520,660,163	
42	Wholesale Trade	\$315,420,254	
44	Retail Trade	\$571,715,144	
48	Transportation and Warehousing	\$276,681,374	
51	Information	\$306,910,854	
52	Finance and Insurance	\$425,981,021	
53	Real Estate and Rental and Leasing	\$360,636,403	
54	Professional, Scientific, and Technical Services	\$192,601,409	
55	Management of Companies and Enterprises	\$299,907,495	
56	Administrative and Support and Waste Management and Remediation Services	\$170,927,043	
61	Educational Services	\$6,448,229	
62	Health Care and Social Assistance	\$409,825,120	
71	Arts, Entertainment, and Recreation	\$18,092,763	
72	Accommodation and Food Services	\$280,515,703	
81	Other Services (except Public Administration)	\$91,385,212	
90	Government	\$2,661,861,449	

Region Imports

\$13.8B Imports (2016) 79% of Demand	\$3.6B Locally Produced & Consumed (2016) 21% of Demand
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NAICS	Industry	Imports (2016)	
11	Crop and Animal Production	\$509,306,331	
21	Mining, Quarrying, and Oil and Gas Extraction	\$41,850,272	
22	Utilities	\$101,477,453	
23	Construction	\$437,856,753	
31	Manufacturing	\$2,662,764,536	
42	Wholesale Trade	\$711,521,864	
44	Retail Trade	\$733,821,484	
48	Transportation and Warehousing	\$347,829,571	
51	Information	\$601,954,735	
52	Finance and Insurance	\$888,270,828	
53	Real Estate and Rental and Leasing	\$496,883,769	
54	Professional, Scientific, and Technical Services	\$646,261,494	
55	Management of Companies and Enterprises	\$245,206,986	
56	Administrative and Support and Waste Management and Remediation Services	\$230,451,341	
61	Educational Services	\$164,435,717	
62	Health Care and Social Assistance	\$901,413,903	
71	Arts, Entertainment, and Recreation	\$124,613,827	
72	Accommodation and Food Services	\$473,093,999	
81	Other Services (except Public Administration)	\$135,785,145	
90	Government	\$3,369,592,826	

Regional Trends



	Region	2001 Jobs	2016 Jobs	Change	% Change
●	Region	76,571	78,674	2,103	2.7%
●	Caddo-Kiowa Technology Center	28,086	26,154	-1,932	-6.9%
●	Southwest Technology Center	15,629	13,450	-2,179	-13.9%
●	Autry Technology Center	52,759	59,267	6,508	12.3%
●	Indian Capital Technology Center	90,469	94,772	4,303	4.8%
●	Oklahoma	1,692,877	1,786,829	93,952	5.5%
●	United States	144,791,301	158,516,931	13,725,630	9.5%

Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Heavy and Tractor-Trailer Truck Drivers	523	
Construction Laborers	507	
Personal Care Aides	435	
Childcare Workers	-339	
Farmers, Ranchers, and Other Agricultural Managers	-370	
Customer Service Representatives	-375	

Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Local Government, Excluding Education and Hospitals	1,627	
Support Activities for Oil and Gas Operations	1,377	
Industrial Building Construction	1,106	
Private Households	-560	
Petroleum Refineries	-710	
Other Support Activities for Air Transportation	-923	

2016 Educational Attainment



	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	5,543	4.2% 
●	9th Grade to 12th Grade	11,483	8.7% 
●	High School Diploma	47,074	35.6% 
●	Some College	29,186	22.1% 
●	Associate's Degree	10,270	7.8% 
●	Bachelor's Degree	19,454	14.7% 
●	Graduate Degree and Higher	9,091	6.9% 

2016 Age Cohort Demographics



	Age Cohort	2016 Population	2016 Percent
●	Under 20 years	54,869	27.5% 
●	20 to 39 years	49,257	24.7% 
●	40 to 59 years	48,960	24.6% 
●	60 to 79 years	37,107	18.6% 
●	80 years and over	9,025	4.5% 

2016 Race/Ethnicity Demographics



	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	13,835	6.9% ■
●	Two or More Races, Non-Hispanic	7,508	3.8% ■
●	American Indian or Alaskan Native, Non-Hispanic	9,180	4.6% ■
●	White, Hispanic	15,085	7.6% ■
●	White, Non-Hispanic	153,610	77.1% ■

Top Regional Businesses

Business Name	Business Size
Phillips 66 Refinery	Large (250+)
Charles Machine Works Inc	Large (250+)
Integriss Bass Bapt Health Ctr	Large (250+)
Dorada Foods	Large (250+)
Marsau Enterprises 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