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October 2017

## Great Plains Technology Center

### Economy Overview



Providing Valid and Reliable Data

Information  
Management  
Division

# Parameters

## Regions

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Code	Description
40031	Comanche County, OK
40033	Cotton County, OK
40075	Kiowa County, OK
40141	Tillman County, OK

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## Timeframe

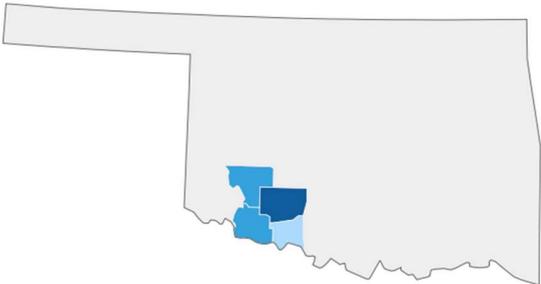
2001 - 2016

## Datarun

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

# Economy Overview

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Population (2016)	144.6K
Jobs (2016)	64.0K
Average Earnings (2016)	\$47.9K
Unemployed (1/2017)	2.7K
Completions (2016)	1.4K
GRP (2016)	\$6.6B
Exports (2016)	\$15.5B
Imports (2016)	\$11.8B

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# Population

<b>144.6K</b> <b>2016 Population</b> 3.7% of State	<b>-3.4%</b> <b>Population Growth for the Last 5 Years</b> State Growth 3.6%
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Age Group	2016 Population	% of Population	
Under 5 years	10,282	7.1%	
5 to 9 years	9,786	6.8%	
10 to 14 years	9,129	6.3%	
15 to 19 years	10,241	7.1%	
20 to 24 years	12,618	8.7%	
25 to 29 years	11,952	8.3%	
30 to 34 years	10,850	7.5%	
35 to 39 years	9,492	6.6%	
40 to 44 years	7,924	5.5%	
45 to 49 years	8,041	5.6%	
50 to 54 years	8,726	6.0%	
55 to 59 years	9,234	6.4%	
60 to 64 years	7,621	5.3%	
65 to 69 years	6,262	4.3%	
70 to 74 years	4,412	3.1%	
75 to 79 years	3,468	2.4%	
80 to 84 years	2,458	1.7%	
85 years and over	2,124	1.5%	

## Jobs by Industry

<b>63,951</b> Total Jobs (2016)		<b>56.0%</b> Male (National: 51.4%)	<b>44.0%</b> Female (National: 48.6%)
NAICS	Industry	2016 Jobs	
11	Crop and Animal Production	609	
21	Mining, Quarrying, and Oil and Gas Extraction	297	
22	Utilities	226	
23	Construction	2,339	
31	Manufacturing	4,081	
42	Wholesale Trade	720	
44	Retail Trade	6,066	
48	Transportation and Warehousing	1,274	
51	Information	545	
52	Finance and Insurance	1,842	
53	Real Estate and Rental and Leasing	742	
54	Professional, Scientific, and Technical Services	2,275	
55	Management of Companies and Enterprises	219	
56	Administrative and Support and Waste Management and Remediation Services	2,790	
61	Educational Services	330	
62	Health Care and Social Assistance	4,235	
71	Arts, Entertainment, and Recreation	293	
72	Accommodation and Food Services	5,054	
81	Other Services (except Public Administration)	2,141	
90	Government	27,877	
99	Unclassified Industry	0	

## Average Earnings by Industry

**\$47.9K**

Avg. Earnings (2016)

77% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$31,615	
21	Mining, Quarrying, and Oil and Gas Extraction	\$74,415	
22	Utilities	\$104,695	
23	Construction	\$42,243	
31	Manufacturing	\$76,563	
42	Wholesale Trade	\$39,466	
44	Retail Trade	\$29,050	
48	Transportation and Warehousing	\$49,212	
51	Information	\$44,404	
52	Finance and Insurance	\$52,108	
53	Real Estate and Rental and Leasing	\$37,875	
54	Professional, Scientific, and Technical Services	\$46,791	
55	Management of Companies and Enterprises	\$55,343	
56	Administrative and Support and Waste Management and Remediation Services	\$35,137	
61	Educational Services	\$37,402	
62	Health Care and Social Assistance	\$41,890	
71	Arts, Entertainment, and Recreation	\$19,554	
72	Accommodation and Food Services	\$17,024	
81	Other Services (except Public Administration)	\$22,067	
90	Government	\$58,273	
99	Unclassified Industry	\$0	

# Unemployment by Industry

**2,704**

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	7	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	18	1%	■
22	Utilities	13	0%	
23	Construction	122	4%	■
31	Manufacturing	199	7%	■
42	Wholesale Trade	23	1%	■
44	Retail Trade	375	14%	■
48	Transportation and Warehousing	45	2%	■
51	Information	21	1%	■
52	Finance and Insurance	54	2%	■
53	Real Estate and Rental and Leasing	37	1%	■
54	Professional, Scientific, and Technical Services	88	3%	■
55	Management of Companies and Enterprises	3	0%	
56	Administrative and Support and Waste Management and Remediation Services	146	5%	■
61	Educational Services	43	2%	■
62	Health Care and Social Assistance	150	6%	■
71	Arts, Entertainment, and Recreation	15	1%	■
72	Accommodation and Food Services	244	9%	■
81	Other Services (except Public Administration)	79	3%	■
90	Government	578	21%	■
99	No Previous Work Experience/Unspecified	445	16%	■

## Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	306	
52	Business, management, marketing, and related support services	227	
13	Education	143	
43	Homeland security, law enforcement, firefighting and related protective services	109	
11	Computer and information sciences and support services	99	
42	Psychology	98	
12	Personal and culinary services	58	
47	Mechanic and repair technologies/technicians	44	
09	Communication, journalism, and related programs	34	
30	Multi/interdisciplinary studies	30	

## Gross Regional Product (GRP)

<b>\$3,363.9M</b>	<b>\$3,039.9M</b>	<b>\$227.2M</b>	<b>\$6,631.0M</b>
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$164,537,271.88	2% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$180,436,024.30	3% 
22	Utilities	\$87,493,405.69	1% 
23	Construction	\$165,495,623.59	2% 
31	Manufacturing	\$494,634,096.57	7% 
42	Wholesale Trade	\$69,087,102.41	1% 
44	Retail Trade	\$281,832,435.31	4% 
48	Transportation and Warehousing	\$88,779,773.71	1% 
51	Information	\$76,732,296.83	1% 
52	Finance and Insurance	\$240,056,114.11	4% 
53	Real Estate and Rental and Leasing	\$119,032,136.41	2% 
54	Professional, Scientific, and Technical Services	\$139,610,920.60	2% 
55	Management of Companies and Enterprises	\$17,454,306.97	0% 
56	Administrative and Support and Waste Management and Remediation Services	\$149,147,420.27	2% 



## Region Exports

**\$15.5B**

Exports (2016)

88% of Supply

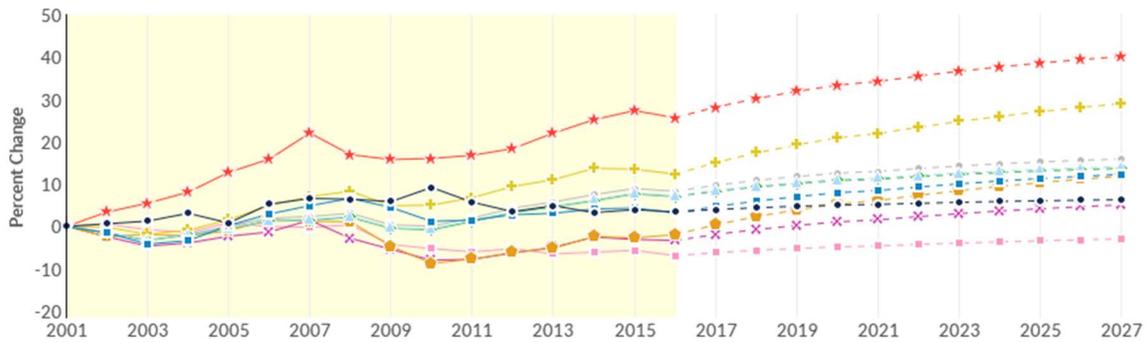
NAICS	Industry	Exports (2016)
11	Crop and Animal Production	\$395,074,097
21	Mining, Quarrying, and Oil and Gas Extraction	\$209,766,825
22	Utilities	\$40,701,805
23	Construction	\$102,200,000
31	Manufacturing	\$1,507,823,860
42	Wholesale Trade	\$58,508,889
44	Retail Trade	\$328,651,623
48	Transportation and Warehousing	\$129,920,250
51	Information	\$87,045,707
52	Finance and Insurance	\$302,729,531
53	Real Estate and Rental and Leasing	\$196,841,384
54	Professional, Scientific, and Technical Services	\$95,512,568
55	Management of Companies and Enterprises	\$26,581,192
56	Administrative and Support and Waste Management and Remediation Services	\$183,424,578
61	Educational Services	\$10,527,264
62	Health Care and Social Assistance	\$158,802,084
71	Arts, Entertainment, and Recreation	\$7,855,999
72	Accommodation and Food Services	\$245,489,490
81	Other Services (except Public Administration)	\$25,401,161
90	Government	\$11,354,135,643

## Region Imports

<b>\$11.8B</b> <b>Imports (2016)</b> 83% of Demand	<b>\$2.4B</b> <b>Locally Produced &amp; Consumed (2016)</b> 17% of Demand
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NAICS	Industry	Imports (2016)	
11	Crop and Animal Production	\$202,284,691	■
21	Mining, Quarrying, and Oil and Gas Extraction	\$43,906,664	■
22	Utilities	\$62,100,480	■
23	Construction	\$417,473,726	■
31	Manufacturing	\$2,558,967,980	■
42	Wholesale Trade	\$558,005,321	■
44	Retail Trade	\$415,089,471	■
48	Transportation and Warehousing	\$392,684,661	■
51	Information	\$490,993,650	■
52	Finance and Insurance	\$545,673,282	■
53	Real Estate and Rental and Leasing	\$327,490,298	■
54	Professional, Scientific, and Technical Services	\$932,735,961	■
55	Management of Companies and Enterprises	\$140,417,853	■
56	Administrative and Support and Waste Management and Remediation Services	\$204,425,914	■
61	Educational Services	\$122,413,051	■
62	Health Care and Social Assistance	\$620,086,086	■
71	Arts, Entertainment, and Recreation	\$99,200,037	■
72	Accommodation and Food Services	\$317,882,975	■
81	Other Services (except Public Administration)	\$103,816,131	■
90	Government	\$3,260,089,524	■

## Regional Trends



	Region	2001 Jobs	2016 Jobs	Change	% Change
●	Region	61,823	63,951	2,128	3.4%
●	Gordon Cooper Technology Center	43,266	44,630	1,364	3.2%
●	Francis Tuttle Technology Center	470,644	504,550	33,906	7.2%
●	Eastern Oklahoma County Tech Center	462,321	494,891	32,570	7.0%
●	Autry Technology Center	52,759	59,267	6,508	12.3%
●	Moore Norman Technology Center	73,584	92,479	18,895	25.7%
●	Chisholm Trail Technology Center	10,850	10,638	-212	-2.0%
●	Central Technology Center	82,970	80,203	-2,767	-3.3%
●	Canadian Valley Technology Center	505,393	547,357	41,964	8.3%
●	Caddo-Kiowa Technology Center	28,086	26,154	-1,932	-6.9%

## Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Retail Salespersons	374	■
Security Guards	230	■
Registered Nurses	225	■
Heavy and Tractor-Trailer Truck Drivers	-171	■
Childcare Workers	-194	■
Military occupations	-2,811	■

## Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Local Government, Excluding Education and Hospitals	1,490	
Administrative Management and General Management Consulting Services	799	
Facilities Support Services	678	
Child and Youth Services	-365	
Nursing Care Facilities (Skilled Nursing Facilities)	-615	
Federal Government, Military	-2,811	

## 2016 Educational Attainment

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	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	3,521	3.8% 
●	9th Grade to 12th Grade	8,178	8.8% 
●	High School Diploma	31,636	34.2% 
●	Some College	24,182	26.1% 
●	Associate's Degree	6,511	7.0% 
●	Bachelor's Degree	12,813	13.8% 
●	Graduate Degree and Higher	5,722	6.2% 

## 2016 Age Cohort Demographics

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	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	39,438	27.3%	■
●	20 to 39 years	44,912	31.1%	■
●	40 to 59 years	33,925	23.5%	■
●	60 to 79 years	21,763	15.0%	■
●	80 years and over	4,582	3.2%	■

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## 2016 Race/Ethnicity Demographics



	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	16,708	11.6%
●	American Indian or Alaskan Native, Non-Hispanic	7,919	5.5%
●	White, Hispanic	13,857	9.6%
●	Black, Non-Hispanic	21,439	14.8%
●	White, Non-Hispanic	84,697	58.6%

## Top Regional Businesses

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Business Name	Business Size
Goodyear Tire & Rubber Co	Large (250+)
Comanche County Memorial Hosp	Large (250+)
Reynolds Army Hospital	Large (250+)
Alcoholics Anonymous	Large (250+)
Southwestern Medical Ctr	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