

October 2017

## Meridian Technology Center

### Economy Overview



Providing Valid and Reliable Data

Information  
Management  
Division

# Parameters

## Regions

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Code	Description
40081	Lincoln County, OK
40083	Logan County, OK
40103	Noble County, OK
40117	Pawnee County, OK
40119	Payne County, OK

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## Timeframe

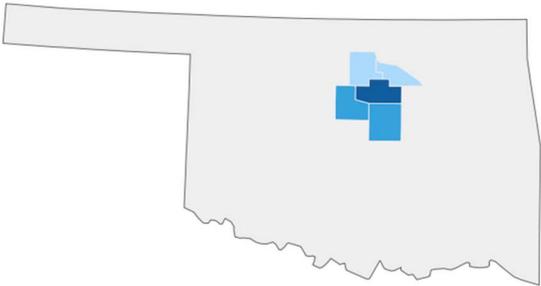
2001 - 2016

## Datarun

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

# Economy Overview

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Population (2016)	190.7K
Jobs (2016)	65.9K
Average Earnings (2016)	\$43.3K
Unemployed (1/2017)	3.6K
Completions (2016)	6.6K
GRP (2016)	\$6.1B
Exports (2016)	\$8.2B
Imports (2016)	\$10.4B

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# Population

<b>190.7K</b> <b>2016 Population</b> 4.9% of State	<b>3.8%</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	10,915	5.7%	
5 to 9 years	11,587	6.1%	
10 to 14 years	12,026	6.3%	
15 to 19 years	15,711	8.2%	
20 to 24 years	23,285	12.2%	
25 to 29 years	12,037	6.3%	
30 to 34 years	11,517	6.0%	
35 to 39 years	10,721	5.6%	
40 to 44 years	9,923	5.2%	
45 to 49 years	10,383	5.4%	
50 to 54 years	11,313	5.9%	
55 to 59 years	11,958	6.3%	
60 to 64 years	10,943	5.7%	
65 to 69 years	9,286	4.9%	
70 to 74 years	7,113	3.7%	
75 to 79 years	5,152	2.7%	
80 to 84 years	3,468	1.8%	
85 years and over	3,360	1.8%	

## Jobs by Industry

<b>65,918</b> Total Jobs (2016)		<b>53.3%</b> Male (National: 51.4%)		<b>46.7%</b> Female (National: 48.6%)	
NAICS	Industry	2016 Jobs			
11	Crop and Animal Production	513			
21	Mining, Quarrying, and Oil and Gas Extraction	1,308			
22	Utilities	367			
23	Construction	4,186			
31	Manufacturing	4,476			
42	Wholesale Trade	1,242			
44	Retail Trade	7,072			
48	Transportation and Warehousing	1,290			
51	Information	412			
52	Finance and Insurance	1,968			
53	Real Estate and Rental and Leasing	688			
54	Professional, Scientific, and Technical Services	2,269			
55	Management of Companies and Enterprises	240			
56	Administrative and Support and Waste Management and Remediation Services	2,333			
61	Educational Services	354			
62	Health Care and Social Assistance	5,215			
71	Arts, Entertainment, and Recreation	740			
72	Accommodation and Food Services	6,395			
81	Other Services (except Public Administration)	3,337			
90	Government	21,510			
99	Unclassified Industry	0			

## Average Earnings by Industry

**\$43.3K**

Avg. Earnings (2016)

70% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$31,659	
21	Mining, Quarrying, and Oil and Gas Extraction	\$61,450	
22	Utilities	\$101,903	
23	Construction	\$41,494	
31	Manufacturing	\$59,194	
42	Wholesale Trade	\$54,370	
44	Retail Trade	\$29,826	
48	Transportation and Warehousing	\$57,258	
51	Information	\$45,050	
52	Finance and Insurance	\$59,375	
53	Real Estate and Rental and Leasing	\$35,580	
54	Professional, Scientific, and Technical Services	\$55,333	
55	Management of Companies and Enterprises	\$73,550	
56	Administrative and Support and Waste Management and Remediation Services	\$29,769	
61	Educational Services	\$21,505	
62	Health Care and Social Assistance	\$38,257	
71	Arts, Entertainment, and Recreation	\$17,334	
72	Accommodation and Food Services	\$16,283	
81	Other Services (except Public Administration)	\$25,379	
90	Government	\$53,281	
99	Unclassified Industry	\$0	

# Unemployment by Industry

**3,617**

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	5	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	68	2%	■
22	Utilities	21	1%	■
23	Construction	237	7%	■
31	Manufacturing	224	6%	■
42	Wholesale Trade	40	1%	■
44	Retail Trade	533	15%	■
48	Transportation and Warehousing	57	2%	■
51	Information	16	0%	
52	Finance and Insurance	69	2%	■
53	Real Estate and Rental and Leasing	30	1%	■
54	Professional, Scientific, and Technical Services	98	3%	■
55	Management of Companies and Enterprises	3	0%	
56	Administrative and Support and Waste Management and Remediation Services	114	3%	■
61	Educational Services	32	1%	■
62	Health Care and Social Assistance	233	6%	■
71	Arts, Entertainment, and Recreation	54	2%	■
72	Accommodation and Food Services	346	10%	■
81	Other Services (except Public Administration)	130	4%	■
90	Government	687	19%	■
99	No Previous Work Experience/Unspecified	620	17%	■

## Top Program Completions

CIP	Program	Completions (2016)	
52	Business, management, marketing, and related support services	1,604	
14	Engineering	707	
51	Health professions and related programs	518	
01	Agriculture, agriculture operations, and related sciences	479	
13	Education	437	
19	Family and consumer sciences/human sciences	378	
26	Biological and biomedical sciences	333	
11	Computer and information sciences and support services	282	
42	Psychology	244	
09	Communication, journalism, and related programs	224	

## Gross Regional Product (GRP)

<b>\$3,500.7M</b>	<b>\$2,228.4M</b>	<b>\$349.9M</b>	<b>\$6,078.9M</b>
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$326,564,982.75	5% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$619,652,717.21	10% 
22	Utilities	\$140,751,054.10	2% 
23	Construction	\$293,336,740.92	5% 
31	Manufacturing	\$505,271,235.51	8% 
42	Wholesale Trade	\$159,686,963.79	3% 
44	Retail Trade	\$342,872,014.61	6% 
48	Transportation and Warehousing	\$111,104,289.25	2% 
51	Information	\$68,403,117.05	1% 
52	Finance and Insurance	\$287,021,941.42	5% 
53	Real Estate and Rental and Leasing	\$164,478,224.86	3% 
54	Professional, Scientific, and Technical Services	\$188,447,466.70	3% 
55	Management of Companies and Enterprises	\$26,444,915.59	0%   
56	Administrative and Support and Waste Management and Remediation Services	\$108,018,640.61	2% 

NAICS	Industry	GRP (2016)	% of Total
61	Educational Services	\$10,512,252.1 3	0%
62	Health Care and Social Assistance	\$235,315,382. 32	4% 
71	Arts, Entertainment, and Recreation	\$23,067,255.9 9	0%
72	Accommodation and Food Services	\$169,636,104. 99	3% 
81	Other Services (except Public Administration)	\$118,410,095. 47	2% 
90	Government	\$1,279,109,623.69	21% 
	Other Non-Industries	\$900,818,333. 27	15% 

## Region Exports

**\$8.2B**

Exports (2016)

77% of Supply

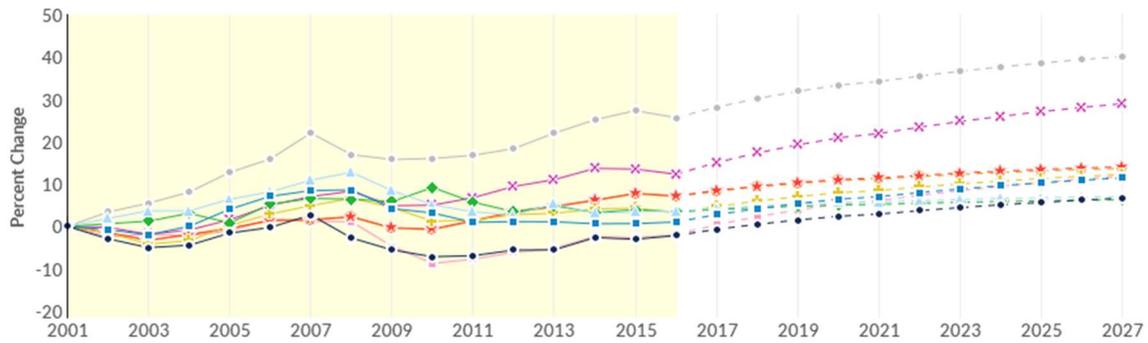
NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	\$786,152,766	
21	Mining, Quarrying, and Oil and Gas Extraction	\$732,599,010	
22	Utilities	\$133,963,753	
23	Construction	\$252,119,244	
31	Manufacturing	\$1,376,278,414	
42	Wholesale Trade	\$143,612,407	
44	Retail Trade	\$416,311,622	
48	Transportation and Warehousing	\$149,299,459	
51	Information	\$94,268,423	
52	Finance and Insurance	\$377,962,951	
53	Real Estate and Rental and Leasing	\$271,196,271	
54	Professional, Scientific, and Technical Services	\$169,840,302	
55	Management of Companies and Enterprises	\$44,175,784	
56	Administrative and Support and Waste Management and Remediation Services	\$123,732,666	
61	Educational Services	\$2,782,135	
62	Health Care and Social Assistance	\$231,420,070	
71	Arts, Entertainment, and Recreation	\$12,850,353	
72	Accommodation and Food Services	\$323,099,733	
81	Other Services (except Public Administration)	\$89,367,350	
90	Government	\$2,440,558,543	

## Region Imports

<b>\$10.4B</b> <b>Imports (2016)</b> 80% of Demand	<b>\$2.5B</b> <b>Locally Produced &amp; Consumed (2016)</b> 20% of Demand
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NAICS	Industry	Imports (2016)	
11	Crop and Animal Production	\$181,102,226	■
21	Mining, Quarrying, and Oil and Gas Extraction	\$29,052,611	
22	Utilities	\$90,115,505	■
23	Construction	\$406,290,382	■
31	Manufacturing	\$1,888,664,984	■
42	Wholesale Trade	\$513,488,472	■
44	Retail Trade	\$587,459,024	■
48	Transportation and Warehousing	\$256,432,331	■
51	Information	\$432,041,518	■
52	Finance and Insurance	\$716,410,054	■
53	Real Estate and Rental and Leasing	\$343,068,790	■
54	Professional, Scientific, and Technical Services	\$429,123,625	■
55	Management of Companies and Enterprises	\$155,001,506	■
56	Administrative and Support and Waste Management and Remediation Services	\$161,757,040	■
61	Educational Services	\$135,664,543	■
62	Health Care and Social Assistance	\$906,905,095	■
71	Arts, Entertainment, and Recreation	\$95,286,423	■
72	Accommodation and Food Services	\$383,762,954	■
81	Other Services (except Public Administration)	\$113,119,739	■
90	Government	\$2,561,441,141	■

# Regional Trends



	Region	2001 Jobs	2016 Jobs	Change	% Change
●	Region	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%
●	Great Plains Technology Center	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%

## Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Combined Food Preparation and Serving Workers, Including Fast Food	455	
Landscaping and Groundskeeping Workers	318	
Waiters and Waitresses	214	
Office Clerks, General	-314	
Sewing Machine Operators	-939	
Postsecondary Teachers	-1,001	

## Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Local Government, Excluding Education and Hospitals	1,173	
Limited-Service Restaurants	1,051	
Warehouse Clubs and Supercenters	808	
Other Engine Equipment Manufacturing	-712	
Other Apparel Knitting Mills	-1,943	
Colleges, Universities, and Professional Schools (State Government)	-3,830	

## 2016 Educational Attainment

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	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	4,098	3.5% 
●	9th Grade to 12th Grade	8,992	7.7% 
●	High School Diploma	39,789	34.0% 
●	Some College	26,566	22.7% 
●	Associate's Degree	7,535	6.4% 
●	Bachelor's Degree	18,939	16.2% 
●	Graduate Degree and Higher	11,257	9.6% 

## 2016 Age Cohort Demographics

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	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	50,239	26.3%	<div style="width: 26.3%;"></div>
●	20 to 39 years	57,560	30.2%	<div style="width: 30.2%;"></div>
●	40 to 59 years	43,577	22.9%	<div style="width: 22.9%;"></div>
●	60 to 79 years	32,494	17.0%	<div style="width: 17.0%;"></div>
●	80 years and over	6,828	3.6%	<div style="width: 3.6%;"></div>

## 2016 Race/Ethnicity Demographics

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	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	12,942	6.8% ■
●	Black, Non-Hispanic	7,941	4.2% ■
●	Two or More Races, Non-Hispanic	9,184	4.8% ■
●	American Indian or Alaskan Native, Non-Hispanic	10,895	5.7% ■
●	White, Non-Hispanic	149,737	78.5% ■

# Top Regional Businesses

Business Name	Business Size
Oklahoma State Univ Ok State	Large (250+)
Oklahoma State Univ Academic	Large (250+)
Charles Machine Works Inc	Large (250+)
Student Store	Large (250+)
Stillwater 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