CENTRAL OKLAHOMA WORKFORCE DEVELOPMENT AREA

2020
LOCAL BRIEFING

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Introduction

The Central Oklahoma Workforce Development Area (WFDA) is comprised of nine Oklahoma counties: Canadian, Cleveland, Hughes, Lincoln, Logan, Okfuskee, Oklahoma, Pottawatomie, and Seminole. According to the U.S. Census Bureau, this combined centralized region of Oklahoma covers 6,684 square miles and is home to over 1.4 million residents. The following briefing reviews the population, education, labor force, economic indicators, and regional industry clusters for the Central Oklahoma WFDA.

Population Overview

Overall, the Central WFDA population grew by 5% from 2014 to 2019. Canadian County had the largest growth rate of 14%. Logan County had the second largest growth rate of 7%. Seminole County has the largest population decrease. Seminole County decreased by a rate of 3.4%. Population density grew from 202 persons in 2014 to 212 persons in 2019. The highest density was in Oklahoma County with 1,113 persons per square mile. The second highest density was in Cleveland County with 510 persons per square mile. The lowest density was in Hughes County with 16 persons per square mile.

Population by County

Figure 1 shows the Central WFDA percentage of population by county. Oklahoma County had the largest population representing 56% of the population in Central WFDA. Cleveland County had the second largest population representing 20% of the population in Central WDFA. Okfuskee County had the smallest population representing 1% of the population in Central WDFA.

Figure 1: Percentage of Population by County
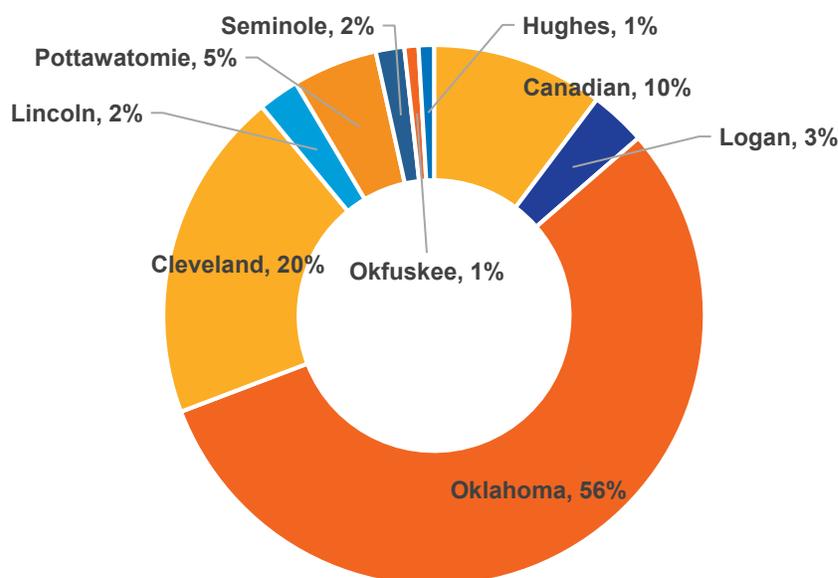
Table 1 provides the population change from 2014 to 2019. The Oklahoma County population is 799,799, which made it the largest population in Central WDFA. Cleveland County population is 284,802, which is the second largest population in Central WDFA. Okfuskee county population is 12,068 making it the smallest population in Central WDFA.

Table 1: Population Change, 2014-2019

County	2014 Population	2019 Population	Total Change
Canadian	129,384	147,702	18,318
Logan	44,687	48,006	3,319
Oklahoma	767,320	799,799	32,480
Cleveland	269,863	284,802	14,939
Lincoln	34,533	35,101	568
Pottawatomie	71,538	72,970	1,432
Seminole	25,360	24,489	(871)
Okfuskee	12,170	12,068	(102)
Hughes	13,676	13,240	(436)
Total	**1,368,531**	**1,438,177**	**69,646**

Table 2 shows the projected population change from 2019 to 2024. Six counties are expected to grow while Seminole, Okfuskee, and Hughes counties are expected to decrease. Seminole is expected to decrease 2.4% in population within the next five years.

Table 2: Projected Population Change, 2019-2024

County	2019 Population	2024 Population	Total Change
Canadian	147,702	161,360	13,658
Cleveland	284,802	295,315	10,514
Hughes	13,240	12,993	(248)
Lincoln	35,101	35,485	383
Logan	48,006	50,518	2,513
Okfuskee	12,068	12,021	(47)
Oklahoma	799,799	822,646	22,847
Pottawatomie	72,970	74,240	1,270
Seminole	24,489	23,885	(604)
Total	**1,438,177**	**1,488,464**	**50,286**

Population by Race and Ethnicity

The following analyses used the racial categories designated by the U.S. Census Bureau. The Census Bureau categorizes "Hispanic," not as a race, but as an ethnicity. As such, Hispanic is always reported in conjunction with another racial designator, i.e. "Black or African American, Hispanic." Unless otherwise noted, individual races included in this briefing section were reported as Non-Hispanic.

Figure 2 shows Central WFDA population by race and ethnicity by percentage. This figure shows that White had the highest percentage of the population at 63%. Hispanic Ethnicity with any race had the second highest percentage of the population at 14%. Native Hawaiians or Pacific Islander had the smallest amount of the population at .10%.

Figure 2: Population by Race and Ethnicity
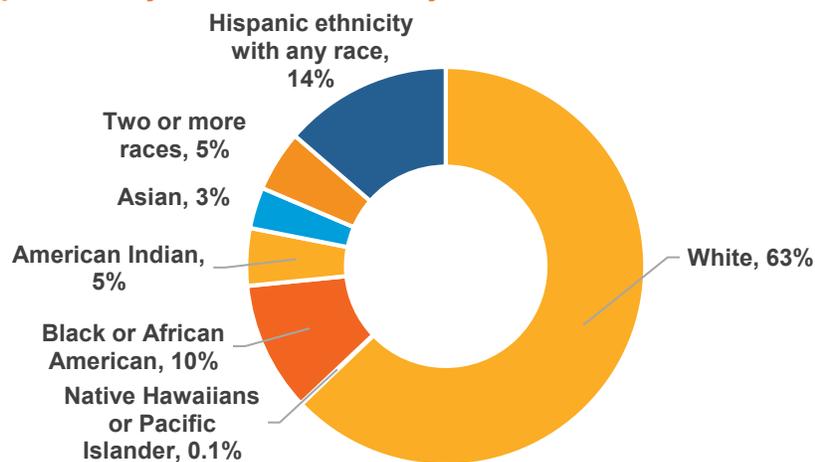
Source: Emsi- economicmodeling.com- 2020.1

Table 3 provides the estimated persons per race and ethnicity category. White had the largest population at 903,997. Hispanic Ethnicity with any race had the second largest population at 196,134. Native Hawaiians or Pacific Islander had the smallest amount of the population at 1,185.

Table 3: Population by Race & Ethnicity

Demographic	2019 Population
White	903,997
Native Hawaiians or Pacific Islander	1,185
Black or African American	150,850
American Indian	66,991
Asian	47,970
Two or more races	71,049
Hispanic ethnicity with any race	196,134

Source: Emsi- economicmodeling.com- 2020.1

Hispanic Population

In Central WFDA, the Hispanic Population was the largest non-white population. The Hispanic population was 196,134 in the Central WDFA, and the Non-Hispanic population is 1,242,043. White and Hispanic represent the largest part of the Hispanic population at 83%. American Indian or Alaskan Native and Hispanic and Two or More Races and Hispanic are both 8% of the Hispanic population. Native Hawaiian or Pacific Islander and Hispanic is the smallest part of the Hispanic population at .28%.

Table 4: Hispanic Population

Demographics	2019 Population
White, Hispanic	162,766
American Indian or Alaskan Native, Hispanic	15,073
Two or More Races, Hispanic	10,160
Black, Hispanic	6,313
Asian, Hispanic	1,271
Native Hawaiian or Pacific Islander, Hispanic	552

Source: Emsi- economicmodeling.com- 2020.1

Education

Colleges, Universities, Career Technology Centers, and K-12 schools are instrumental in developing the workforce. Educational institutions help supply local businesses and organizations with a workforce with the necessary labor and skills to be competitive in today's economy. The following section reviews Central WFDA's educational attainment and an educational skills gap analysis.

Educational Attainment

Figure 3 compares the current education attainment among Central WFDA, the State of Oklahoma, and the United States. In the Central WFDA, High School Diploma had the largest population at 27%. Some College had the second largest population at 24%. The third largest population was Bachelor's Degree at 19%.The fourth largest population was Graduate Degree and Higher at 10%. The fifth largest population is both Associate's Degree and 9th Grade to 12th Grade at 7%. Lastly, less than 9th grade had the smallest amount of the population at 6%.

In Oklahoma, High School Diploma had the highest share of the population at 31%. The second highest share of the population was Some College, at 23%. The third highest share of the population is Bachelor's Degree at 16%. The fourth share highest share of the population is Graduate Degree and Higher, Associate's Degree, and 9th Grade to 12 Grade at have the same share of the population at 8%. The smallest group is less than 9th grade at 5%.

In the United States, High School Diploma had the highest share of the population 28%. The next is Some College is 21%. The third highest population is Bachelor's Degree at 16%. The fourth largest group is Graduate Degree at 12%. The fifth largest group is the Associate's Degree at 8%. Lastly the smallest groups are Less than 9th grade and 9th grade to 12th grade at 7%.

Figure 3: Education Attainment Level
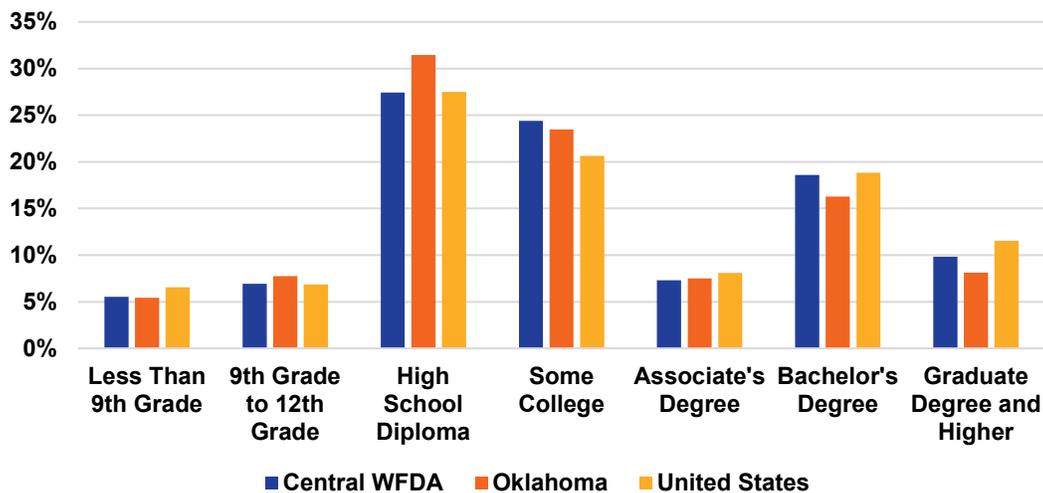
Source: Emsi- economicmodeling.com- 2020.1

High School Diploma had the largest share of the population with 487,987 individuals. Figure 4 shows the breakdown of education by race and ethnicity. White had the highest share of the High School Graduates population with 340,090. Black or African American second highest share of the population with 56,636. Hispanic Ethnicity with any race had the third highest population with 40,351. The fourth highest population was American Indian or Alaskan Native with 23,743. The fifth highest population was Two or More Races with 16,636. The sixth highest population was Asian with 10,150. Lastly, Native Hawaiian or Pacific Island had the smallest share of the population with 382.

College Degree had the second largest share of the population with 253,161 individuals. Figure 4 shows break down of those with a college degree. White had the highest share of this population with 253,161. Black or African American second highest share of the population with 26,955. Asian had the third highest share of the population at 11,726. Hispanic Ethnicity with any race had the fourth highest share of the population at 16,552. American Indian or Alaskan Native had the fifth highest share of the population 11,726. Two or More Races had the sixth highest share of the population was 11,075.Lastly, Native Hawaiian or Pacific Island had the smallest share of the population with 213.

Less than High School had the smallest share of the population with 117,517 individuals. Figure 4 shows that White had the highest share of this population with 54,112. Hispanic Ethnicity with any race had the second highest share of the population with 38,001. Black or African American had the third highest share of the population with 26,955. Asian had the fourth highest share of the population at 16,715. American Indian or Alaskan Native had the fifth highest population at 11,726. Two or More Races had the sixth highest share of the population with 11,075. Lastly, Native Hawaiian or Pacific Island had the smallest share of the population with 136.

Figure 4: Education Attainment Level by Race/Ethnicity
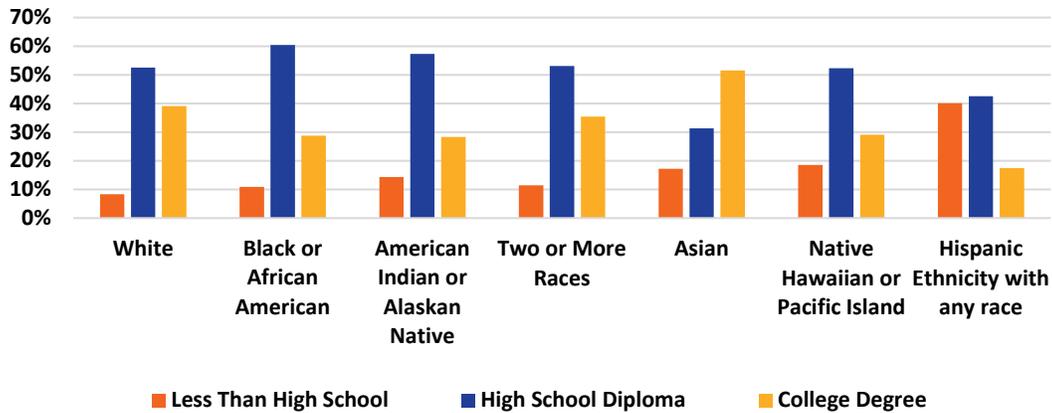
Source: Emsi- economicmodeling.com- 2020.1

Skills Gap

A skills gap analysis was completed. The current percentage of educational achievement of residents was directly compared to the percentage of entry level education required by newly created jobs projected to develop between 2019 and 2024.

The data in this analysis were based upon projected need estimated with historical data. The projected shortfall of less than one percentage point at the Bachelor's degree level will be significantly compounded by a misalignment of degree specialty. The existence of a sufficient number of individuals possessing a Bachelor's Degree fails to meet the needs of employers if those degrees do not provide the appropriate training necessary to fulfill job requirements.

Figure 5 provides the skills gap shown by the forecast of new jobs in the next five years matched with the current level of education attainment. The greatest need or deficiency for workers is the group of Associates, Certificates, Some College, and Credential. With a deficit is 12%, from the subtraction of 43% of new jobs in 2025, and the attainment level in 2019 of 32%. The greatest surplus is those with a Graduate degree. This surplus is 6%, from the subtraction of 4% of new jobs, and the 10% attainment in 2019.

Figure 5: Local Skills Gap Analysis

	Less than High School	High School*	Associates/Certificate/Credential/Some College (ACCS)	Bachelors	Graduate
2019 Attainment	12%	27%	32%	19%	10%
2024 New Jobs	19%	6%	43%	28%	4%

*or Less than High School with Certificate or On the Job Training
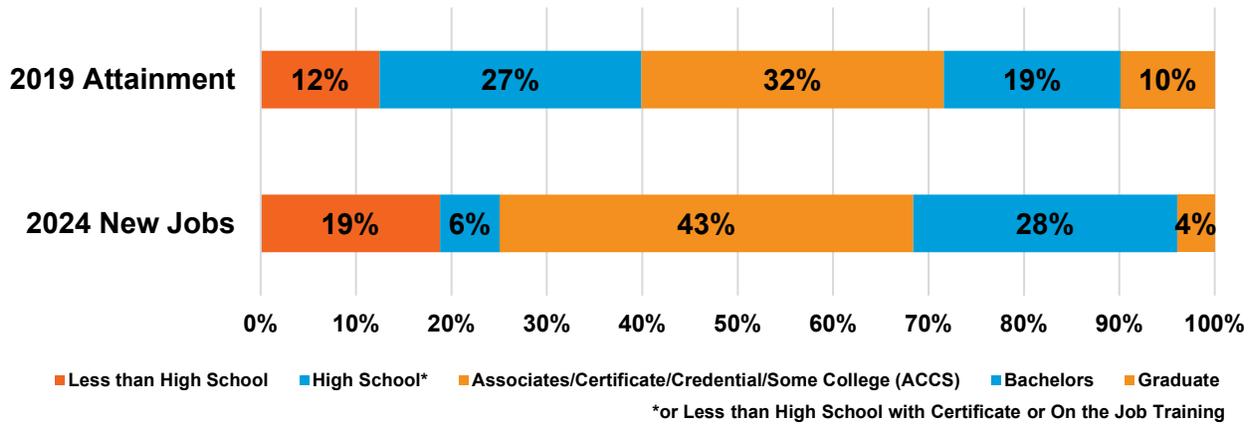
Source: Emsi- economicmodeling.com- 2020.1

Labor Force

Labor Force Participation by County

Figure 6 shows the Central WFDA labor force participation rate by county. The highest percentage is in Canadian County at 68.80%. The second highest is in Cleveland county at 66.40%. The third highest is in Oklahoma County at 65.60%. The fourth highest is in Logan County at 62.50%. The fifth highest is in Pottawatomie County at 56.30%. The sixth highest is in Lincoln County at 55.30%. The seventh highest is in Seminole County at 52.30%. The eighth highest is in Okfuskee County at 44.30%.Lastly, the lowest percentage is in Hughes County at 41.70%

Figure 6: Labor Force Participation Rate by County
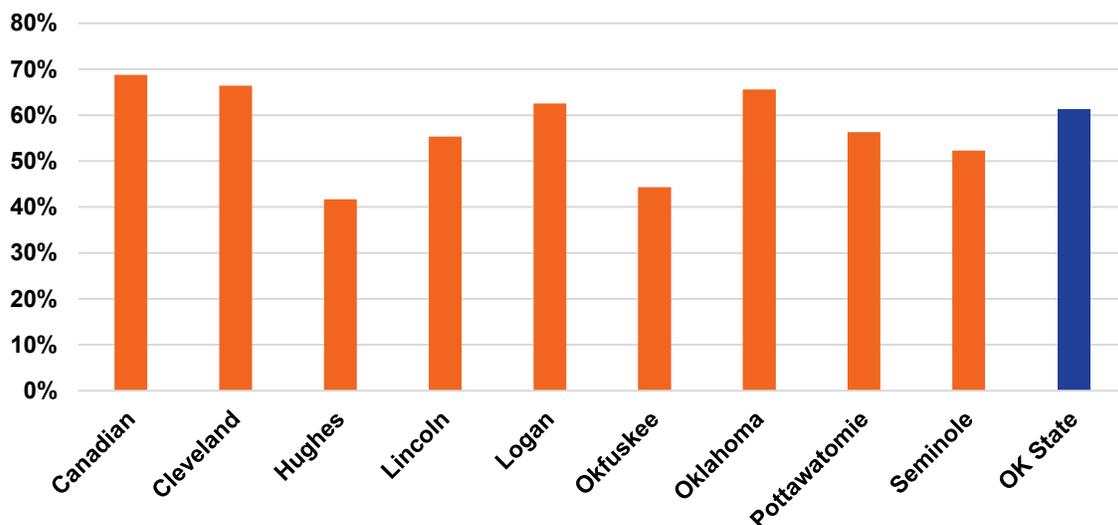
Source: American Community Survey (ACS) 2018 5-Year Estimates

Total Employment by County

Figure 7 compares the total employment and the total labor force for Central WFDA by county. The largest employment was found in Oklahoma County at 371,240. The second largest is in Cleveland County at 138,014. The third largest is in Canadian County at 70,030. The fourth largest is in Pottawatomie County at 31,421. The fifth largest is in Logan County at 21,290. The sixth largest is in Lincoln County at 15,393. The seventh largest is in Seminole County at 9,063. The eighth largest is in Hughes County at 5,142. The smallest labor force was in Okfuskee County at 4,246.

The largest labor force was found in Oklahoma County at 383,860. The second largest is in Cleveland County at 142,102. The third largest is in Canadian County at 72,033. The fourth largest is in Pottawatomie County at 32,624. The fifth largest is in Logan County at 21,953. The sixth largest is in Lincoln County at 15,952. The seventh largest is in Seminole County at 9,514. The eighth largest is in Hughes County at 5,366. The smallest labor force was in Okfuskee County at 4,459.

Figure 7: Total Employment and Labor Force by County
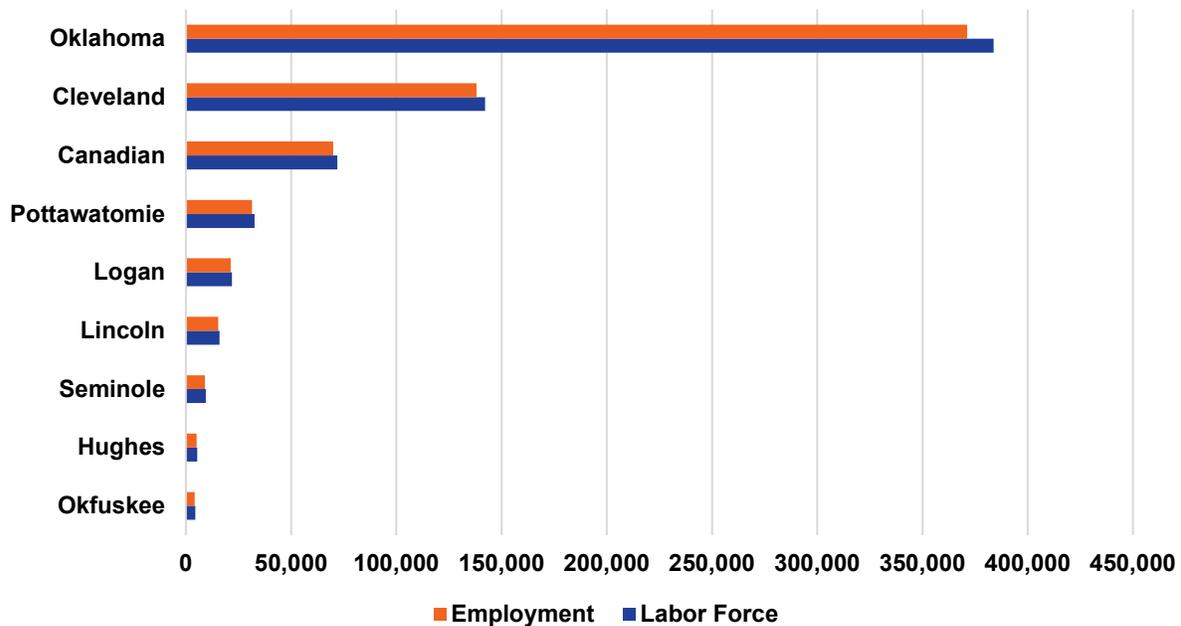
Source: 2018 Bureau of Labor Statistics (BLS), Local Area Unemployment Statistics (LAUS)

Commuter Data

The U.S. Census Bureau Longitudinal Employer-Household Dynamics (LEHD) program uses data from a variety of sources including the unemployment insurance program, Quarterly Census of Employment and Wages (QCEW), and administrative data from censuses and surveys to create models estimating worker commutes for primary employment. In the Central WFDA 107,209 work in the area, and did not live there. 461,957 lived there and worked there. 76,239 lived in Central WFDA and worked outside the area.

Figure 8: Total Local Area Commuter Patterns
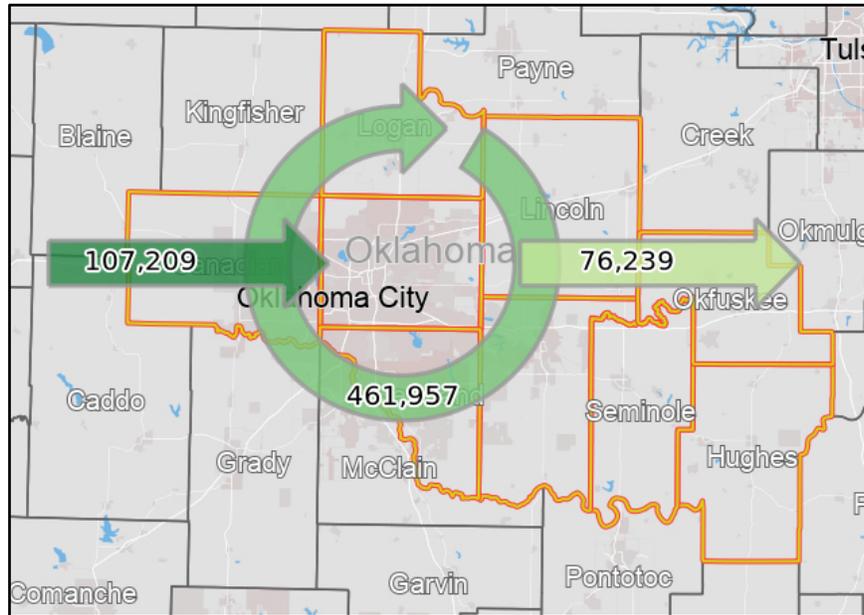
Source: Center of Economic Studies (CES), OnTheMap, 2017

Figure 9 provides a county level analysis on each individual county. Oklahoma County has the most of its workers living and working in the county. The majority of workers live in their respective county and commute to another county.

Figure 9: County Level Commuter Patterns
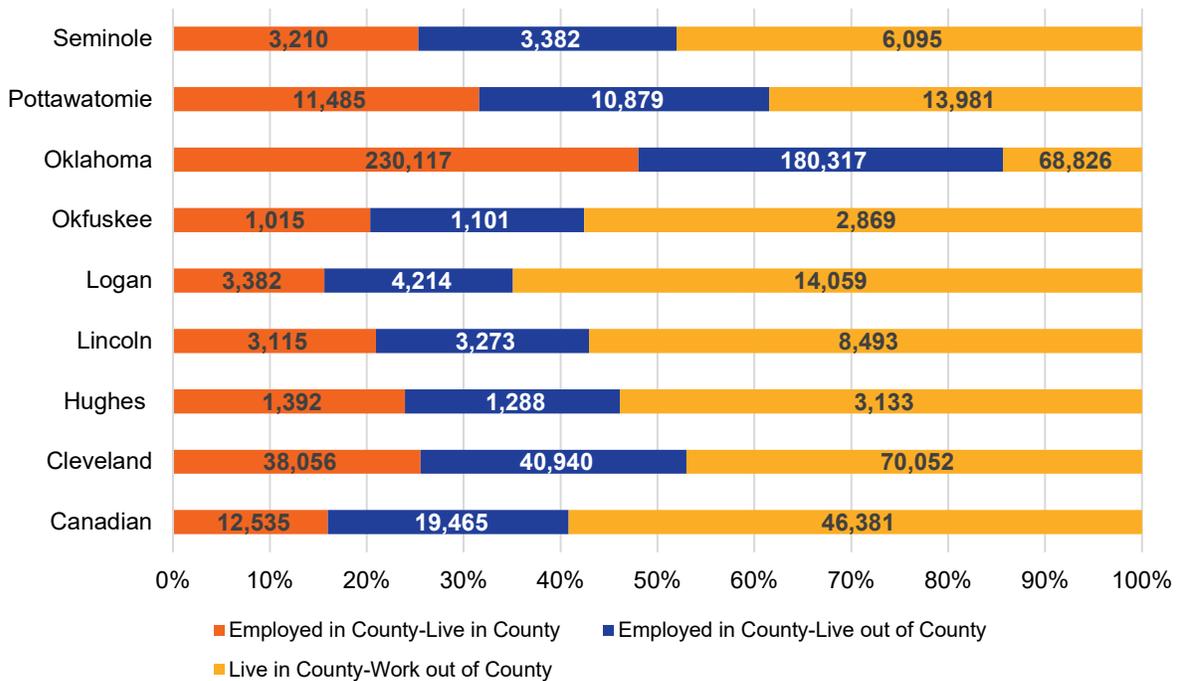
Source: Center of Economic Studies (CES), OnTheMap, 2017

Economic Indicators

Industry Sectors by Total Jobs

The North American Industry Classification System (NAICS) is the standard utilized by federal agencies to classify businesses to collect, analyze, and publish statistical data related to the United States business economy. Several of the analyses that follow are based upon data using NAICS employment sector codes. The following information is provided to enhance understanding of the framework of these analyses.

NAICS uses a 6-digit coding system which is structured hierarchically, beginning with 20 broad economic sectors. Over 1,000 industries are then sub-categorized within these 20 sectors. Each industry within a sector shares distinguishing economic activities. The most recent version of the classification system was implemented in 2017. Additional information is available at www.census.gov/eos/www/naics.

There was an estimated 652,119 number of total jobs in Central WFDA in 2019. Table 5 shows the top ten employment industry sectors in Central WFDA. The largest sector is Government with 136,945 jobs. The second largest sector was Health Care and Social Assistance with 79,056 jobs. The tenth largest sectors was Finance and Insurance with 25,930 jobs.

Table 5: Top Industry Sectors by Total Number of Jobs

NAICS	Description	2019 Jobs	Percentage of Total Employment
90	Government	136,945	20.59%
62	Health Care and Social Assistance	79,056	11.89%
44	Retail Trade	66,867	10.06%
72	Accommodation and Food Services	66,554	10.01%
56	Administrative and Support and Waste Management and Remediation Services	42,392	6.37%
31	Manufacturing	36,111	5.43%
54	Professional, Scientific, and Technical Services	35,544	5.34%
23	Construction	30,331	4.56%
81	Other Services (except Public Administration)	26,945	4.05%
52	Finance and Insurance	25,930	3.90%

Source: Emsi- economicmodeling.com- 2020.1

Top Occupations by Total Jobs

The Standard Occupational Classification (SOC) system is used by Federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. Additional analyses that follow are based upon data examined utilizing SOC occupational codes. The following information is provided to enhance understanding of the framework of these analyses.

All workers are classified into one of 840 detailed occupations according to their occupational definition. To facilitate classification, detailed occupations are combined to form 461 broad occupations, 97 minor groups, and 23 major groups. Detailed occupations in the SOC with similar job duties, and in some cases, skills, education, and/or training, are grouped together. Recently, the 2018 system for SOC was implemented, replacing the 2010 version. Additional information is available at www.bls.gov/soc/.

Table 6 shows the top occupation for Central WFDA. The highest level of employment is for Customer Service Representatives with 14,158 jobs. The next highest level of employment is for Cashiers with 13,925. The tenth highest level of employment is in Bookkeeping, Accounting, and Auditing Clerks with 8,963 jobs.

Table 6: Top Occupations by Total Number of Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
41-2031	Retail Salespersons	20,417	20,391	(26)	$10.88	No formal educational credential	Short-term on-the-job training
43-4051	Customer Service Representatives	14,158	14,098	(60)	$14.86	High school diploma or equivalent	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	14,047	15,898	1,851	$9.07	No formal educational credential	Short-term on-the-job training
41-2011	Cashiers	13,925	14,171	246	$9.72	No formal educational credential	Short-term on-the-job training
29-1141	Registered Nurses	13,664	14,594	930	$30.87	Bachelor's degree	None
35-3031	Waiters and Waitresses	12,990	14,051	1,061	$8.94	No formal educational credential	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	13,865	912	$14.46	No formal educational credential	Short-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	12,527	12,360	(167)	$15.15	High school diploma or equivalent	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	12,353	254	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	11,272	695	$42.79	Bachelor's degree	None

Source: Emsi- economicmodeling.com- 2020.1

Median Wage

Figure 10 provides the median wage of those over the age of 16. The highest wage was in Canadian County which is $35,539. The second highest wage was in Cleveland County at 31,813. The third highest was in Logan County which is $31,224. The fourth highest wages were in Oklahoma County at 30,933. Lincoln County has the fifth highest wages at $30,649. The sixth highest wage was in Pottawatomie County at $26,875. The seventh highest wages were in Okfuskee County at $26,669. The eighth highest wage was in Seminole County at $26,449. Lastly, the lowest median wage is in Hughes County $24,918.

Figure 10: Median Wage by County
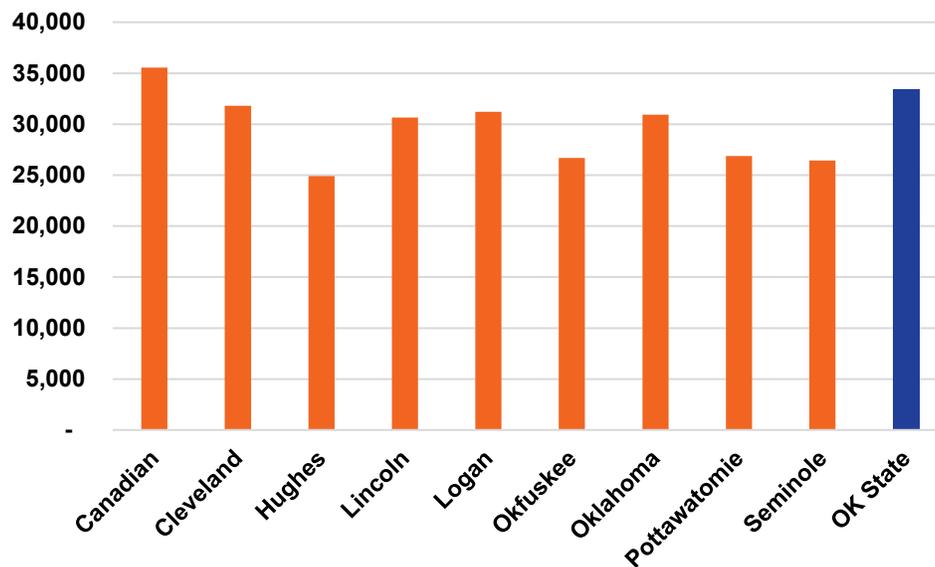
Source: American Community Survey (ACS) 2018 5-Year Estimates

Unemployment Rate

Figure 11 shows the unemployment rate for Central WFDA. The highest unemployment was in Seminole County with an unemployment rate of 5.38%. The second highest unemployment was in Hughes County which had an unemployment rate of 5.18%. The third highest unemployment rate was in Okfuskee County an unemployment rate of 4.65%. The fourth highest unemployment rate was in Pottawatomie County 3.56%. The fifth highest unemployment rate was in Lincoln at 3.33%. The sixth highest unemployment rate was in Oklahoma County at 3.06%. Canadian County had the seventh highest unemployment rate at 2.89%. Cleveland County had the eighth highest unemployment rate at 2.63%. Lastly, the lowest unemployment rate was in Logan County with an unemployment rate of 2.59%.

Figure 11: Unemployment Rate
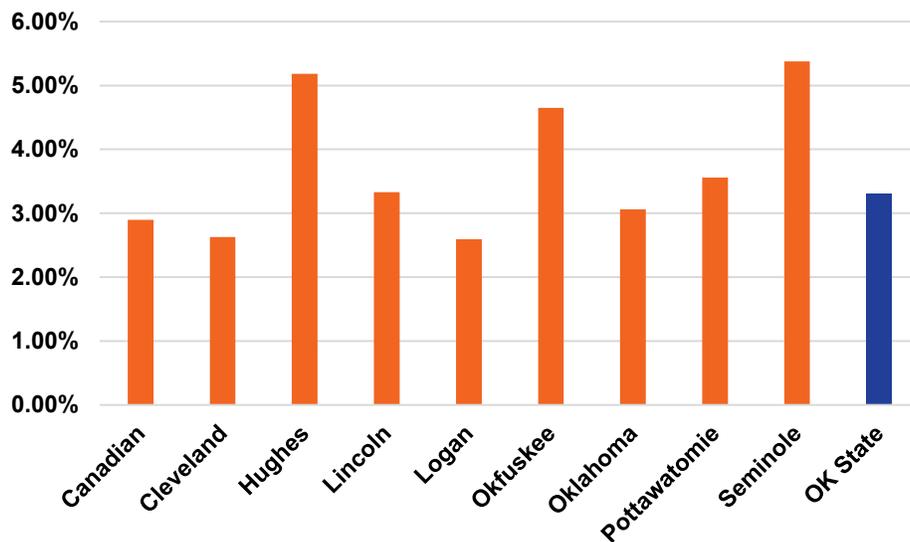
Source: Emsi- economicmodeling.com- 2020.1

Industry Clusters

Oklahoma Department of Commerce has identified five key, in demand, industry clusters for the state of Oklahoma (also known as Ecosystems). Industry clusters provide a competitive advantage in a global economy. They exhibit significant potential for employment growth and provide wealth generating employment opportunities. Regional industry clusters have been identified for each Local Workforce Development Area

State Industry Clusters

The five State Industry Cluster's demand industries produce or provide similar goods and services and therefore have similar needs in workforce, infrastructure, and economic development policy. These ecosystems include Aerospace and Defense, Agriculture and Biosciences, Energy, Information and Finance, and Transportation and Distribution.

Regional Industry Clusters

In addition to the five State Industry clusters, Regional Industry Clusters have been identified. The regional clusters for the Central WFDA are Industrial, Transportation and Distribution, Mining and Extraction, STEM, and Healthcare.

The source data to start the process was establishment level data from over 100,000 business establishments in the state. Major employers are non-retail sector establishments that are among the top twenty percent of employing establishments in their respective counties. Retail was excluded since it is dependent on other sectors of the economy employing people and generating economic activity. Ensuring other sectors are successful will impact the success of the retail sector.

The clusters were informed by the methodology utilized by the Harvard Business School and the Economic Development Administration. In order to report data in a meaningful manner, there was some customization grouping linked industries. After identifying the top twenty percent of the major employers in each of the counties, they were grouped into industry clusters in their regional economy. Establishment level data from the Quarterly Census of Employment & Wages was utilized as the primary data source in the cluster identification. Since confidentiality must be maintained, in order to report the results, the data must be aggregated by clusters and geography.

Major employers include traditional sectors targeted in economic development including manufacturing, energy and knowledge-based service industries. It also includes other sectors that are not targeted in economic development but are important to the local region and have demands on workforce skills. These sectors include, but not limited to, agriculture, construction, utilities, healthcare, education, government, and tourism and hospitality.

Table 7 summarizes the industry clusters in Central WFDA. The highest expected growth is in the Healthcare cluster with an expected growth of 7,362 jobs. The next highest expected growth cluster is in Transportation and Distribution with 6,935 jobs. The sixth highest expected growth is in Industrial with 5941 jobs.

Table 7: Regional Industry Clusters

State Industry Clusters	Estimated Net Job Growth (2019-2024)	Industry Cluster Growth Rate (2019-2024)	Average Annual Earnings
Industrial	5,941	3%	$82,122
Transportation and Distribution	6,935	8%	$69,601
Mining and Extraction	4,457	16%	$135,051
Professional Services	4,569	4%	$91,184
Healthcare	7,362	7%	$63,419
STEM	1,796	0%	$124,746

Source: Emsi- economicmodeling.com- 2020.1

Healthcare

In 2019 there were 93,328 in the Central WFDA Healthcare Industry Cluster with average earnings of $63,419. Based on demand projections jobs within the Industry Cluster will increase by 6,517 jobs totaling 99,845 jobs by the year 2024.

Shown in Table 8 is the top ten industries in the Central WFDA Healthcare Industry Cluster. General Medical and Surgical Hospitals had the highest number of job with 23,941. Offices of Physicians (except Mental Health Specialists) had the second highest number of jobs with 10,223. The tenth highest number of jobs is in Continuing Care Retirement Communities at 2,113.

Table 8: Top Healthcare Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
622110	General Medical and Surgical Hospitals	23,941	$76,374
621111	Offices of Physicians (except Mental Health Specialists)	10,223	$109,866
623110	Nursing Care Facilities (Skilled Nursing Facilities)	6,351	$38,844
621210	Offices of Dentists	4,571	$60,825
624410	Child Day Care Services	4,558	$24,156
621610	Home Health Care Services	4,552	$43,445
903622	Hospitals (Local Government)	3,340	$80,889
446110	Pharmacies and Drug Stores	2,819	$49,909
624120	Services for the Elderly and Persons with Disabilities	2,374	$24,429
623311	Continuing Care Retirement Communities	2,113	$36,109

Source: EMSI-Economicmodeling.com 2020.1

Table 9 is the top Central WFDA Healthcare emerging industries with the largest change from 2019-2024. General Medical and Surgical Hospitals has the highest growth with 1,514 jobs. The second highest growth was found in Offices of Physicians (except Mental Health Specialists) with 666 jobs. The tenth highest growth was in Vocational Rehabilitation Services with 229 jobs.

Table 9: Top Healthcare Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
622110	General Medical and Surgical Hospitals	23,941	25,455	1,514	6%
621111	Offices of Physicians (except Mental Health Specialists)	10,223	10,889	666	7%
621210	Offices of Dentists	4,571	5,109	538	12%
624120	Services for the Elderly and Persons with Disabilities	2,374	2,829	455	19%
621493	Freestanding Ambulatory Surgical and Emergency Centers	1,769	2,185	416	24%
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	2,021	2,408	387	19%
621999	All Other Miscellaneous Ambulatory Health Care Services	530	909	379	72%
541690	Other Scientific and Technical Consulting Services	1,442	1,759	317	22%
621610	Home Health Care Services	4,552	4,810	258	6%
624310	Vocational Rehabilitation Services	2,007	2,236	229	11%

Source: EMSI-Economicmodeling.com 2020.1

Table 10 shows the top jobs in the Central WFDA Healthcare cluster. Customer Service Representatives has the highest number of jobs in this cluster with 14,158. Cashiers has the second highest number of jobs in this cluster with 13,925. The tenth highest number of jobs in this cluster is Maids and Housekeeping Cleaners with 4,768.

Table 10: Top Healthcare Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-4051	Customer Service Representatives	14,158	$14.86	High school diploma or equivalent	Short-term on-the-job training
41-2011	Cashiers	13,925	$9.72	No formal educational credential	Short-term on-the-job training
29-1141	Registered Nurses	13,664	$30.87	Bachelor's degree	None
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	$14.46	No formal educational credential	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
43-1011	First-Line Supervisors of Office and Administrative Support Workers	9,249	$24.34	High school diploma or equivalent	None
31-1014	Nursing Assistants	6,342	$12.40	Postsecondary nondegree award	None
49-9071	Maintenance and Repair Workers, General	6,023	$15.78	High school diploma or equivalent	Moderate-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	4,768	$9.78	No formal educational credential	Short-term on-the-job training

Source: EMSI-Economicmodeling.com 2020.1

Table 11 shows the Central WFDA Healthcare emerging jobs by growth from 2019 to 2024. Registered Nurses is expected to have the most growth with 930. The second highest expect growth is in Laborers and Freight, Stock, and Material Movers, Hand with 912. The job with the ten largest expected growth is in Receptionists and Information Clerks with 225 jobs.

Table 11: Top Healthcare Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
29-1141	Registered Nurses	13,664	14,594	930	6.81%	$30.87
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	13,865	912	7.04%	$14.46
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
39-9021	Personal Care Aides	4,126	4,657	531	12.87%	$10.01
31-9092	Medical Assistants	4,035	4,421	386	9.57%	$14.97
49-9071	Maintenance and Repair Workers, General	6,023	6,375	352	5.84%	$15.78
43-6013	Medical Secretaries	4,371	4,711	340	7.78%	$15.19
43-9061	Office Clerks, General	12,099	12,353	254	2.10%	$13.19
41-2011	Cashiers	13,925	14,171	246	1.77%	$9.72
43-4171	Receptionists and Information Clerks	3,950	4,175	225	5.70%	$13.45

Source: EMSI-Economicmodeling.com 2020.1

STEM

In 2019 there were 25,817 in the Central WFDA STEM Industry Cluster with average earnings of $126,705. Based on demand projections jobs within the STEM Cluster will increase by 654 jobs totaling 26,471 jobs by the year 2024.

Table 12 shows the top industries in the Central WFDA STEM Clusters. The industry with the highest number of jobs is Crude Petroleum Extraction with 4,161. The second highest number of job is in Engineering Services at 3,291. The tenth highest number of jobs is the Pharmaceutical Preparation Manufacturing with 521.

Table 12: Top STEM Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
211120	Crude Petroleum Extraction	4,161	$199,991
541330	Engineering Services	3,291	$94,396
211130	Natural Gas Extraction	2,833	$213,575
336411	Aircraft Manufacturing	2,701	$146,637
541511	Custom Computer Programming Services	1,833	$97,488
541512	Computer Systems Design Services	1,387	$90,563
541519	Other Computer Related Services	1,019	$78,916
541310	Architectural Services	944	$86,618
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	677	$83,921
325412	Pharmaceutical Preparation Manufacturing	521	$111,201

Source: EMSI-Economicmodeling.com 2020.1

Table 13 shows the top ten emerging industries in Central WFDA STEM clusters by growth of total jobs from 2019-2024. The largest expected growth was in Aircraft Manufacturing with a growth of 687. The second largest expected growth was in Engineering Services with growth of 412. The tenth largest expected growth was in Computer Facilities Management Services with a change of 65.

Table 13: Top STEM Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
336411	Aircraft Manufacturing	2,701	3,388	687	25%
541330	Engineering Services	3,291	3,703	412	13%
541519	Other Computer Related Services	1,019	1,251	232	23%
541512	Computer Systems Design Services	1,387	1,565	178	13%
325412	Pharmaceutical Preparation Manufacturing	521	647	126	24%
621330	Offices of Mental Health Practitioners (except Physicians)	279	380	101	36%
511210	Software Publishers	495	584	89	18%
541350	Building Inspection Services	272	360	88	32%
541360	Geophysical Surveying and Mapping Services	502	584	82	16%
541513	Computer Facilities Management Services	236	301	65	28%

Source: EMSI-Economicmodeling.com 2020.1

Table 14 shows the top ten jobs in Central WFDA STEM cluster for 2019. The highest number of jobs is in Customer Service Representatives at 14,158. The second highest number of jobs is in Secretaries and Administrative Assistants, Except Legal, Medical, and Executive at 12,527. The tenth number of job was in First-Line Supervisors of Production and Operating Workers at 2,589.

Table 14: Top STEM Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-4051	Customer Service Representatives	14,158	$14.86	High school diploma or equivalent	Short-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	12,527	$15.15	High school diploma or equivalent	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
41-3099	Sales Representatives, Services, All Other	4,010	$21.08	High school diploma or equivalent	Moderate-term on-the-job training
23-1011	Lawyers	3,968	$41.74	Doctoral or professional degree	None
13-1199	Business Operations Specialists, All Other	3,318	$34.39	Bachelor's degree	None
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	3,281	$14.52	High school diploma or equivalent	Moderate-term on-the-job training
15-1151	Computer User Support Specialists	2,861	$21.86	Some college, no degree	None
51-1011	First-Line Supervisors of Production and Operating Workers	2,589	$28.46	High school diploma or equivalent	None

Source: EMSI-Economicmodeling.com 2020.1

Table 15 shows the emerging jobs by growth from 2019 to 2024 in the Central WFDA STEM cluster. The largest expected growth in number of jobs was in General and Operations Managers with an increase of 695. The second largest expected growth was in Management

Analysts with 329. The tenth largest expected growth was in Paralegals and Legal Assistants with 145 jobs.

Table 15: Top STEM Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
13-1111	Management Analysts	2,583	2,912	329	12.74%	$35.92
13-1161	Market Research Analysts and Marketing Specialists	2,381	2,680	299	12.56%	$26.40
13-1199	Business Operations Specialists, All Other	3,318	3,604	286	8.62%	$34.39
15-1132	Software Developers, Applications	2,531	2,789	258	10.19%	$41.77
43-9061	Office Clerks, General	12,099	12,353	254	2.10%	$13.19
23-1011	Lawyers	3,968	4,198	230	5.80%	$41.74
41-3099	Sales Representatives, Services, All Other	4,010	4,199	189	4.71%	$21.08
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2,585	2,739	154	5.96%	$34.20
23-2011	Paralegals and Legal Assistants	1,729	1,874	145	8.39%	$23.25

Source: EMSI-Economicmodeling.com 2020.1

Transportation and Distribution

In 2019 there were 43,950in the Central WFDA Transportation and Distribution Industry Cluster with average earnings of $69,601. Based on demand projections jobs within the Transportation and Distribution Industry Cluster will increase by 3,550 jobs totaling 47,500 jobs by the year 2024.

Shown in Table 16 is the top ten industries in the Central WFDA Transportation and Distribution Industry Cluster. General Warehousing and Storage had the highest number of job with 5,134. General Freight Trucking, Long-Distance had the second highest number of jobs with 5,024. The tenth highest number of jobs is in Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers at 822.

Table 16: Top Transportation and Distribution Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
49311	General Warehousing and Storage	5,134	$45,180
48412	General Freight Trucking, Long-Distance	5,024	$63,512
42512	Wholesale Trade Agents and Brokers	3,036	$63,000
42383	Industrial Machinery and Equipment Merchant Wholesalers	2,802	$87,973
48819	Other Support Activities for Air Transportation	1,773	$89,377
42441	General Line Grocery Merchant Wholesalers	1,454	$76,787
42449	Other Grocery and Related Products Merchant Wholesalers	1,250	$60,357
48422	Specialized Freight (except Used Goods) Trucking, Local	1,063	$80,384
33621	Motor Vehicle Body and Trailer Manufacturing	860	$51,445
42381	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	822	$100,602

Source: EMSI-Economicmodeling.com 2020.1

Table 17 is the top Emerging Occupations in the Central WFDA transportation and distribution with the largest change from 2019-2024. General Warehousing and Storage has the highest expected growth with 1,569 jobs. The second highest expected growth was found in Wholesale Trade Agents and Brokers with 1,311 jobs. The tenth highest expected growth was in Industrial Machinery and Equipment Merchant Wholesalers with 108 jobs.

Table 17: Top Transportation & Distribution Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
49311	General Warehousing and Storage	5,134	6,703	1,569	31%
42512	Wholesale Trade Agents and Brokers	3,036	4,347	1,311	43%
48412	General Freight Trucking, Long-Distance	5,024	5,494	470	9%
48422	Specialized Freight (except Used Goods) Trucking, Local	1,063	1,265	202	19%
42511	Business to Business Electronic Markets	345	532	187	54%
48819	Other Support Activities for Air Transportation	1,773	1,907	134	8%
42381	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	822	954	132	16%
42311	Automobile and Other Motor Vehicle Merchant Wholesalers	756	873	117	15%
48621	Pipeline Transportation of Natural Gas	538	653	115	21%
42383	Industrial Machinery and Equipment Merchant Wholesalers	2,802	2,910	108	4%

Source: EMSI-Economicmodeling.com 2020.1

Table 18 shows the top ten jobs in the Central WFDA Transportation & Distribution cluster. Customer Service Representatives has the highest number of jobs in this cluster with 14,158.

Laborers and Freight, Stock, and Material Movers, Hand has the second highest number of jobs in this cluster with 12,953. The tenth highest number of jobs in this cluster is Sales Representatives, Services, All Other Cleaners with 4,010.

Table 18: Top Transportation & Distribution Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-4051	Customer Service Representatives	14,158	$14.86	High school diploma or equivalent	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	$14.46	No formal educational credential	Short-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	12,527	$15.15	High school diploma or equivalent	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	$19.90	Postsecondary nondegree award	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,963	$18.12	Some college, no degree	Moderate-term on-the-job training
43-5081	Stock Clerks and Order Fillers	8,048	$11.62	High school diploma or equivalent	Short-term on-the-job training
13-2011	Accountants and Auditors	6,240	$31.17	Bachelor's degree	None
41-3099	Sales Representatives, Services, All Other	4,010	$21.08	High school diploma or equivalent	Moderate-term on-the-job training

Source: EMSI-Economicmodeling.com 2020.1

Table 19 shows the emerging jobs by growth in Central WFDA Transportation and Distribution from 2019 to 2024. Laborers and Freight, Stock, and Material Movers, Hand has the most expected growth with 912. The second highest expected growth is in Heavy and Tractor-Trailer Truck Drivers with 810. The job with the ten largest expected growth is in Software Developers, Applications with 258 jobs.

Table 19: Top Transportation & Distribution Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	13,865	912	7.04%	$14.46
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	10,513	810	8.35%	$19.90
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
13-2011	Accountants and Auditors	6,240	6,927	687	11.01%	$31.17
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,519	3,955	436	12.39%	$25.36
13-1111	Management Analysts	2,583	2,912	329	12.74%	$35.92
13-1161	Market Research Analysts and Marketing Specialists	2,381	2,680	299	12.56%	$26.40
13-1199	Business Operations Specialists, All Other	3,318	3,604	286	8.62%	$34.39
53-7051	Industrial Truck and Tractor Operators	2,425	2,693	268	11.05%	$18.03
15-1132	Software Developers, Applications	2,531	2,789	258	10.19%	$41.77

Source: EMSI-Economicmodeling.com 2020.1

Mining and Extraction

In 2019 there were 21,341in the Central WFDA Mining and Extraction Industry Cluster with average earnings of $135,051. Based on demand projections jobs within the Mining and Extraction Industry Cluster will increase by 3,452 jobs totaling 24,793jobs by the year 2024.

Shown in Table 20 is the top ten industries in the Central WFDA Mining and Extraction Industry Cluster. Support Activities for Oil and Gas Operations had the highest number of job with 10,784. Crude Petroleum Extraction the second highest number of jobs with 4,161. The fifth highest number of jobs is in Construction Sand and Gravel Mining at 108.

Table 20: Top Mining and Extraction Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
213112	Support Activities for Oil and Gas Operations	10,784	$99,755
211120	Crude Petroleum Extraction	4,161	$199,991
213111	Drilling Oil and Gas Wells	3,385	$105,338
211130	Natural Gas Extraction	2,833	$213,575
212321	Construction Sand and Gravel Mining	108	$58,052

Source: EMSI-Economicmodeling.com 2020.1

Table 21 is the Emerging Occupations in the Central WFDA Mining and Extraction industry cluster with the largest change from 2019-2024. Support Activities for Oil and Gas Operations has the highest expected growth of 3,585. The second highest expected growth was found in Drilling Oil and Gas Wells with 625 jobs. The fifth highest growth was in Industrial Sand Mining with 8 jobs.

Table 21: Top Mining and Extraction Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
213112	Support Activities for Oil and Gas Operations	10,784	14,369	3,585	33%
213111	Drilling Oil and Gas Wells	3,385	4,010	625	18%
212311	Dimension Stone Mining and Quarrying	22	31	9	41%
212321	Construction Sand and Gravel Mining	108	116	8	7%
212322	Industrial Sand Mining	13	21	8	62%

Source: EMSI-Economicmodeling.com 2020.1

Table 22 shows the top five jobs in the Central WFDA Mining and Extraction cluster. Secretaries and Administrative Assistants, Except Legal, Medical, and Executive has the highest number of jobs in this cluster with 12,527. Office Clerks, General has the second highest number of jobs in this cluster with 12,099. The fifth highest number of jobs in this cluster is Accountants and Auditors with 6,240.

Table 22: Top Mining and Extraction Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	12,527	$15.15	High school diploma or equivalent	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	$19.90	Postsecondary nondegree award	Short-term on-the-job training
13-2011	Accountants and Auditors	6,240	$31.17	Bachelor's degree	None

Source: EMSI-Economicmodeling.com 2020.1

Table 23 shows the emerging jobs in Central WFDA Mining and Extraction industry cluster by growth from 2019 to 2024. Heavy and Tractor-Trailer Truck Drivers has the most expected growth with 810. The second highest expected growth is in General and Operations Managers with 695. The job with the fifth largest expected growth is in First-Line Supervisors of Construction Trades and Extraction Workers with 414 jobs.

Table 23: Top Mining and Extraction Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	10,513	810	8.35%	$19.90
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
13-2011	Accountants and Auditors	6,240	6,927	687	11.01%	$31.17
47-5071	Roustabouts, Oil and Gas	1,726	2,184	458	26.53%	$20.64
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	3,686	4,100	414	11.23%	$30.97

Source: EMSI-Economicmodeling.com 2020.1

Professional Services

In 2019 there were 47,663 in the Central WFDA Professional Services Industry Cluster with average earnings of $91,184. Based on demand projections jobs within the Professional Services Industry Cluster will increase by 1,718 jobs totaling 49,381 jobs by the year 2024.

Shown in Table 24 is the top ten industries in the Central WFDA Professional Services Industry Cluster. Management of Companies and Enterprises had the highest number of job with 10,684. Accounting, Tax Preparation, Bookkeeping, and Payroll Services the second highest number of jobs with 7,934. The tenth highest number of jobs is in Credit Unions at 1,497.

Table 24: Top Professional Services Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
55111	Management of Companies and Enterprises	10,684	$120,196
54121	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	7,934	$76,519
52211	Commercial Banking	5,309	$73,903
54151	Computer Systems Design and Related Services	4,476	$90,219
52412	Direct Insurance (except Life, Health, and Medical) Carriers	2,542	$82,462
51731	Wired and Wireless Telecommunications Carriers	2,485	$90,056
52411	Direct Life, Health, and Medical Insurance Carriers	2,463	$94,207
52229	Other Nondepository Credit Intermediation	2,072	$64,890
52212	Savings Institutions	1,951	$74,253
52213	Credit Unions	1,497	$52,613

Source: EMSI-Economicmodeling.com 2020.1

Table 25 is the emerging occupations in the Central WFDA Professional Services industry cluster with the largest change from 2019-2024. Management of Companies and Enterprises had the highest expected growth with 1,418 jobs. The second highest expected growth was found in Accounting, Tax Preparation, Bookkeeping, and Payroll Services with 1,186 jobs. The tenth highest expected growth was in Credit Card Issuing with 51 jobs.

Table 25: Top Professional Services Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
55111	Management of Companies and Enterprises	10,684	12,102	1,418	13%
54121	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	7,934	9,120	1,186	15%
54151	Computer Systems Design and Related Services	4,476	4,825	349	8%
52229	Other Nondepository Credit Intermediation	2,072	2,177	105	5%
52393	Investment Advice	527	624	97	18%
51121	Software Publishers	495	584	89	18%
52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities	307	375	68	22%
52212	Savings Institutions	1,951	2,013	62	3%
52392	Portfolio Management	635	696	61	10%
52221	Credit Card Issuing	119	170	51	43%

Source: EMSI-Economicmodeling.com 2020.1

Table 26 shows the top jobs in the Central WFDA Professional Services cluster. Customer Service Representatives has the highest number of jobs in this cluster with 14,158. Secretaries and Administrative Assistants, Except Legal, Medical, and Executive had the second highest number of jobs in this cluster with 12,527. The tenth highest number of jobs in this cluster is Receptionists and Information Clerks with 3,950.

Table 26: Top Professional Services Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-4051	Customer Service Representatives	14,158	$14.86	High school diploma or equivalent	Short-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	12,527	$15.15	High school diploma or equivalent	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
43-1011	First-Line Supervisors of Office and Administrative Support Workers	9,249	$24.34	High school diploma or equivalent	None
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8,963	$18.12	Some college, no degree	Moderate-term on-the-job training
13-2011	Accountants and Auditors	6,240	$31.17	Bachelor's degree	None
41-3099	Sales Representatives, Services, All Other	4,010	$21.08	High school diploma or equivalent	Moderate-term on-the-job training
23-1011	Lawyers	3,968	$41.74	Doctoral or professional degree	None
43-4171	Receptionists and Information Clerks	3,950	$13.45	High school diploma or equivalent	Short-term on-the-job training

Source: EMSI-Economicmodeling.com 2020.1

Table 27 shows the emerging jobs in the Central WFDA Professional Services industry cluster by growth from 2019 to 2024. General and Operations Managers has the most expected growth with 695. The second highest expected growth is in Accountants and Auditors with 687. The job with the tenth largest expected growth is in Receptionists and Information Clerks with 225 jobs.

Table 27: Top Professional Services Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
13-2011	Accountants and Auditors	6,240	6,927	687	11.01%	$31.17
11-3031	Financial Managers	2,937	3,266	329	11.20%	$46.47
13-1111	Management Analysts	2,583	2,912	329	12.74%	$35.92
13-1161	Market Research Analysts and Marketing Specialists	2,381	2,680	299	12.56%	$26.40
13-1199	Business Operations Specialists, All Other	3,318	3,604	286	8.62%	$34.39
15-1132	Software Developers, Applications	2,531	2,789	258	10.19%	$41.77
43-9061	Office Clerks, General	12,099	12,353	254	2.10%	$13.19
23-1011	Lawyers	3,968	4,198	230	5.80%	$41.74
43-4171	Receptionists and Information Clerks	3,950	4,175	225	5.70%	$13.45

Source: EMSI-Economicmodeling.com 2020.1

Industrial

In 2019 there were 21,623 in the Central WFDA Industrial Industry Cluster with average earnings of $82,122. Based on demand projections jobs within the Industrial Industry Cluster will increase by 677 jobs totaling 22,300jobs by the year 2024.

Shown in Table 28 is the top ten industries in the Central WFDA Industrial Cluster. Aircraft Manufacturing had the highest number of job with 2,701. Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing the second highest number of jobs with 2,424. The tenth highest number of jobs is in Construction Machinery Manufacturing at 597.

Table 28: Top Industrial Industries by Number of Current Jobs

NAICS	Description	2019 Jobs	Avg. Earnings Per Job
336411	Aircraft Manufacturing	2,701	$146,637
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	2,424	$69,166
333132	Oil and Gas Field Machinery and Equipment Manufacturing	2,147	$78,593
332911	Industrial Valve Manufacturing	1,449	$76,777
332912	Fluid Power Valve and Hose Fitting Manufacturing	863	$76,101
336212	Truck Trailer Manufacturing	781	$51,795
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	775	$58,563
332710	Machine Shops	710	$68,641
332321	Metal Window and Door Manufacturing	655	$48,521
333120	Construction Machinery Manufacturing	597	$74,362

Source: EMSI-Economicmodeling.com 2020.1

Table 29 is the emerging occupations in the Central WFDA in the Industrial cluster with the largest change from 2019-2024. Aircraft Manufacturing had the highest expected growth with 687 jobs. The second highest expected growth was found in Construction Machinery Manufacturing with 194jobs. The tenth highest expected growth was in Fluid Power Pump and Motor Manufacturing with 36 jobs.

Table 29: Top Industrial Emerging Industries by Number of New Jobs

NAICS	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 % Change
336411	Aircraft Manufacturing	2,701	3,388	687	25%
333120	Construction Machinery Manufacturing	597	791	194	32%
332912	Fluid Power Valve and Hose Fitting Manufacturing	863	968	105	12%
332321	Metal Window and Door Manufacturing	655	755	100	15%
336390	Other Motor Vehicle Parts Manufacturing	205	291	86	42%
332911	Industrial Valve Manufacturing	1,449	1,513	64	4%
336340	Motor Vehicle Brake System Manufacturing	128	178	50	39%
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	399	448	49	12%
336612	Boat Building	129	171	42	33%
333996	Fluid Power Pump and Motor Manufacturing	491	527	36	7%

Source: EMSI-Economicmodeling.com 2020.1

Table 30 shows the top ten jobs in the Central WFDA Industrial cluster. Customer Service Representatives has the highest number of jobs in this cluster with 14,158. Laborers and Freight, Stock, and Material Movers, Hand had the second highest number of jobs in this cluster with 12,953. The tenth highest number of jobs in this cluster is Welders, Cutters, Solderers, and Brazers with 2,796.

Table 30: Top Industrial Occupations by Number of Current Jobs

SOC	Description	2019 Jobs	Median Hourly Earnings	Typical Entry Level Education	Typical On-The-Job Training
43-4051	Customer Service Representatives	14,158	$14.86	High school diploma or equivalent	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	$14.46	No formal educational credential	Short-term on-the-job training
43-9061	Office Clerks, General	12,099	$13.19	High school diploma or equivalent	Short-term on-the-job training
11-1021	General and Operations Managers	10,577	$42.79	Bachelor's degree	None
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	$19.90	Postsecondary nondegree award	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	8,048	$11.62	High school diploma or equivalent	Short-term on-the-job training
49-9071	Maintenance and Repair Workers, General	6,023	$15.78	High school diploma or equivalent	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,519	$25.36	High school diploma or equivalent	Moderate-term on-the-job training
51-2098	Assemblers and Fabricators, All Other, Including Team Assemblers	3,281	$14.52	High school diploma or equivalent	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	2,796	$19.09	High school diploma or equivalent	Moderate-term on-the-job training

Source: EMSI-Economicmodeling.com 2020.1

Table 31 shows the emerging jobs in the Central WFDA Industrial cluster by growth from 2019 to 2024. Laborers and Freight, Stock, and Material Movers, Hand had the most expected growth with 912. The second highest expected growth is in Heavy and Tractor-Trailer Truck Drivers with 810. The job with the tenth largest expected growth is in Industrial Machinery Mechanics with 196 jobs.

Table 31: Top Industrial Emerging Occupations by Number of New Jobs

SOC	Description	2019 Jobs	2024 Jobs	2019 - 2024 Change	2019 - 2024 Change %	Median Hourly Earnings
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,953	13,865	912	7.04%	$14.46
53-3032	Heavy and Tractor-Trailer Truck Drivers	9,703	10,513	810	8.35%	$19.90
11-1021	General and Operations Managers	10,577	11,272	695	6.57%	$42.79
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,519	3,955	436	12.39%	$25.36
49-9071	Maintenance and Repair Workers, General	6,023	6,375	352	5.84%	$15.78
53-7051	Industrial Truck and Tractor Operators	2,425	2,693	268	11.05%	$18.03
15-1132	Software Developers, Applications	2,531	2,789	258	10.19%	$41.77
43-5081	Stock Clerks and Order Fillers	8,048	8,305	257	3.19%	$11.62
43-9061	Office Clerks, General	12,099	12,353	254	2.10%	$13.19
49-9041	Industrial Machinery Mechanics	1,646	1,842	196	11.90%	$25.35

Source: EMSI-Economicmodeling.com 202