



October 2017

**Northwest Technology Center
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40003	Alfalfa County, OK
40011	Blaine County, OK
40043	Dewey County, OK
40073	Kingfisher County, OK
40093	Major County, OK
40151	Woods County, OK
40153	Woodward County, OK

Education Levels

Description

Less than high school

High school diploma or equivalent

Some college, no degree

Postsecondary non-degree award

Associate's degree

Timeframe

2017 - 2027

Datarun

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

Largest Occupations

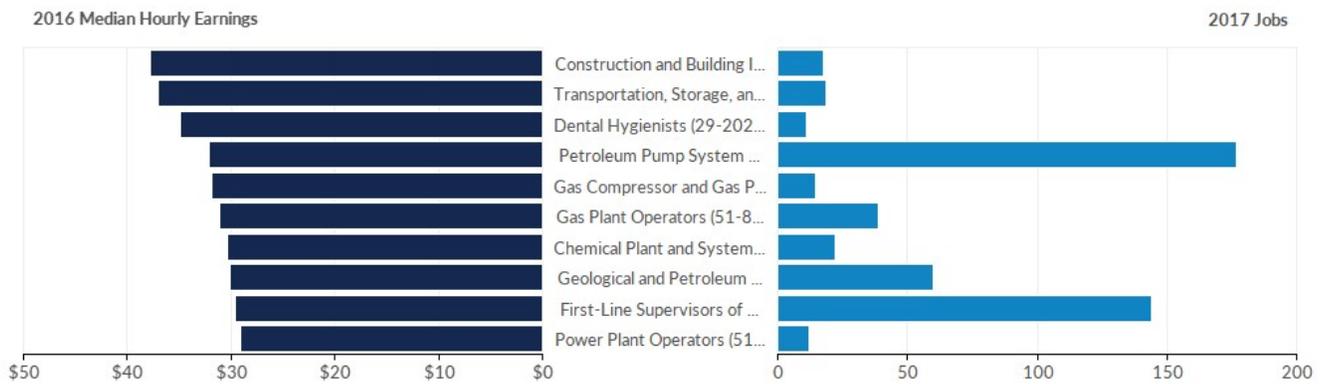


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Heavy and Tractor-Trailer Truck Drivers	1,085	1,194	109	10%	\$19.91
Cashiers	947	998	50	5%	\$8.95
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	731	768	37	5%	\$13.31
Retail Salespersons	638	737	99	16%	\$10.43
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	599	681	82	14%	\$13.84
Roustabouts, Oil and Gas	554	582	28	5%	\$17.14
Farmers, Ranchers, and Other Agricultural Managers	542	483	-59	-11%	\$11.41
Office Clerks, General	520	572	53	10%	\$11.66
Bookkeeping, Accounting, and Auditing Clerks	461	453	-8	-2%	\$14.67
Construction Laborers	456	517	62	14%	\$13.59
Combined Food Preparation and Serving Workers, Including Fast Food	454	488	34	8%	\$8.96
Service Unit Operators, Oil, Gas, and Mining	405	435	30	7%	\$23.88
Nursing Assistants	382	447	65	17%	\$11.29
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	380	419	39	10%	\$9.97
Laborers and Freight, Stock,	373	434	61	16%	\$11.31

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
and Material Movers, Hand					
First-Line Supervisors of Retail Sales Workers	363	390	27	7%	\$15.89
Waiters and Waitresses	352	366	14	4%	\$9.20
First-Line Supervisors of Construction Trades and Extraction Workers	340	382	42	12%	\$25.80
Stock Clerks and Order Fillers	332	361	29	9%	\$10.35
Teacher Assistants	306	329	24	8%	\$9.05
Maids and Housekeeping Cleaners	304	325	21	7%	\$8.77
First-Line Supervisors of Office and Administrative Support Workers	285	316	31	11%	\$20.21
Maintenance and Repair Workers, General	277	317	40	14%	\$15.37
Automotive Service Technicians and Mechanics	239	235	-4	-2%	\$14.13
Landscaping and Groundskeeping Workers	234	270	35	15%	\$8.66
Light Truck or Delivery Services Drivers	233	254	22	9%	\$13.72
Childcare Workers	217	195	-22	-10%	\$7.55
Tellers	214	203	-11	-5%	\$11.52
Cooks, Restaurant	212	236	24	12%	\$9.75
Licensed Practical and Licensed Vocational Nurses	212	236	24	11%	\$17.72
Cooks, Institution and Cafeteria	209	217	8	4%	\$8.89
Customer Service Representatives	200	229	29	15%	\$12.88
Welders, Cutters, Solderers, and Brazers	194	213	18	9%	\$17.75
Operating Engineers and Other Construction Equipment Operators	181	198	17	10%	\$19.17
Petroleum Pump System Operators, Refinery Operators, and Gaugers	177	201	24	14%	\$32.15

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
First-Line Supervisors of Food Preparation and Serving Workers	177	189	12	7%	\$12.58
Industrial Machinery Mechanics	175	224	49	28%	\$21.53
Personal Care Aides	175	214	39	22%	\$8.88
First-Line Supervisors of Production and Operating Workers	174	193	19	11%	\$26.73
Police and Sheriff's Patrol Officers	173	188	16	9%	\$18.27
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	164	176	12	7%	\$10.24
Carpenters	162	182	21	13%	\$14.33
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	153	195	42	28%	\$26.65
Correctional Officers and Jailers	149	174	26	17%	\$15.15
First-Line Supervisors of Mechanics, Installers, and Repairers	144	155	11	7%	\$29.55
Hairdressers, Hairstylists, and Cosmetologists	141	139	-2	-1%	\$11.64
Rotary Drill Operators, Oil and Gas	139	157	18	13%	\$24.35
Highway Maintenance Workers	138	148	10	7%	\$15.78
Sales Representatives, Services, All Other	134	147	13	10%	\$16.11
Cooks, Fast Food	130	110	-20	-15%	\$8.95

Highest Paying Occupations

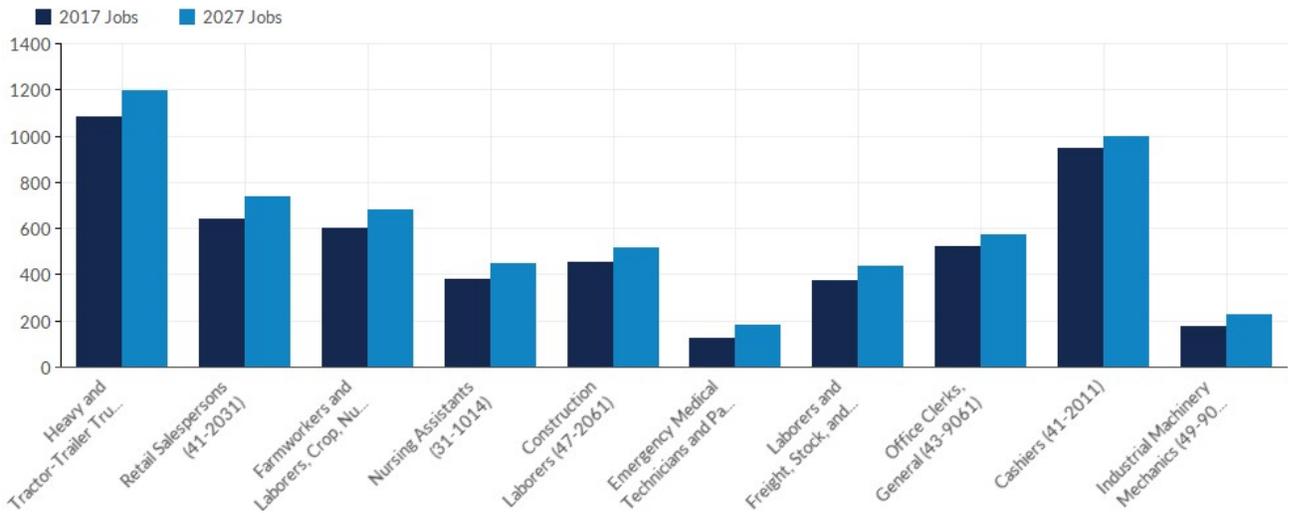


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Construction and Building Inspectors	18	20	2	11%	\$37.84
Transportation, Storage, and Distribution Managers	19	22	3	16%	\$37.07
Dental Hygienists	11	12	1	9%	\$34.84
Petroleum Pump System Operators, Refinery Operators, and Gaugers	177	201	24	14%	\$32.15
Gas Compressor and Gas Pumping Station Operators	15	17	2	13%	\$31.84
Gas Plant Operators	39	45	6	15%	\$31.11
Chemical Plant and System Operators	22	25	3	14%	\$30.33
Geological and Petroleum Technicians	60	70	10	17%	\$30.11
First-Line Supervisors of Mechanics, Installers, and Repairers	144	155	11	8%	\$29.55
Power Plant Operators	12	11	-1	-8%	\$29.06
Crane and Tower Operators	23	25	2	9%	\$28.95
Electrical Power-Line Installers and Repairers	72	75	3	4%	\$28.29
First-Line Supervisors of Farming, Fishing, and Forestry Workers	42	44	2	5%	\$27.99
Aircraft Mechanics and Service Technicians	101	102	1	1%	\$27.71

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Computer Network Support Specialists	29	29	0	0%	\$27.40
Physical Therapist Assistants	10	14	4	40%	\$27.03
Control and Valve Installers and Repairers, Except Mechanical Door	21	24	3	14%	\$27.02
First-Line Supervisors of Production and Operating Workers	174	193	19	11%	\$26.73
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	90	102	12	13%	\$26.70
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	153	195	42	27%	\$26.65
First-Line Supervisors of Construction Trades and Extraction Workers	340	382	42	12%	\$25.80
Telecommunications Line Installers and Repairers	47	44	-3	-6%	\$25.35
Riggers	25	28	3	12%	\$24.97
Railroad Conductors and Yardmasters	14	15	1	7%	\$24.66
First-Line Supervisors of Police and Detectives	21	23	2	10%	\$24.59
Rotary Drill Operators, Oil and Gas	139	157	18	13%	\$24.35
Tax Preparers	27	29	2	7%	\$24.19
Wellhead Pumpers	65	82	17	26%	\$23.90
Service Unit Operators, Oil, Gas, and Mining	405	435	30	7%	\$23.88
Chemical Equipment Operators and Tenders	128	146	18	14%	\$23.62
Mobile Heavy Equipment Mechanics, Except Engines	73	85	12	16%	\$23.47
Claims Adjusters, Examiners, and Investigators	20	21	1	5%	\$23.43
Respiratory Therapists	17	20	3	18%	\$23.24
Locomotive Engineers	13	14	1	8%	\$22.85

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Production, Planning, and Expediting Clerks	47	53	6	13%	\$22.84
Extraction Workers, All Other	12	14	2	17%	\$22.58
Mechanical Drafters	11	12	1	9%	\$22.55
Detectives and Criminal Investigators	10	12	2	20%	\$22.52
First-Line Supervisors of Fire Fighting and Prevention Workers	21	22	1	5%	\$22.30
Electrical and Electronics Engineering Technicians	29	32	3	10%	\$22.00
Excavating and Loading Machine and Dragline Operators	39	42	3	8%	\$21.86
Title Examiners, Abstractors, and Searchers	44	48	4	9%	\$21.84
Real Estate Brokers	18	21	3	17%	\$21.79
Agricultural Workers, All Other	15	16	1	7%	\$21.79
Industrial Machinery Mechanics	175	224	49	28%	\$21.53
Radiologic Technologists	31	34	3	10%	\$21.44
Fitness Trainers and Aerobics Instructors	18	23	5	28%	\$21.36
Farm Equipment Mechanics and Service Technicians	37	39	2	5%	\$20.98
Bus and Truck Mechanics and Diesel Engine Specialists	118	134	16	14%	\$20.87
Sales and Related Workers, All Other	17	20	3	18%	\$20.73

Fastest Growing Occupations

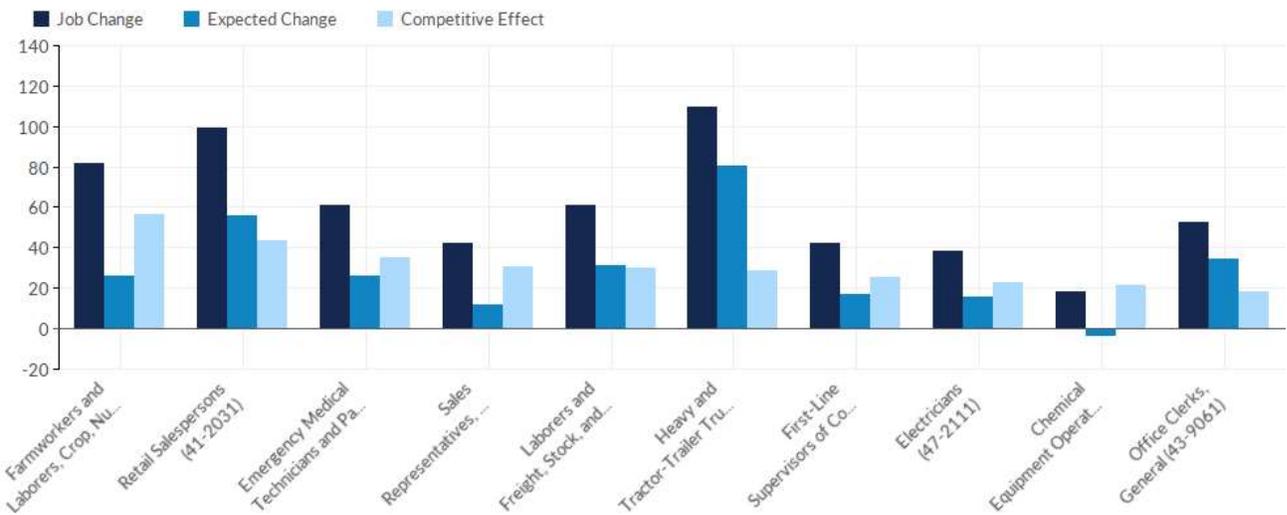


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Heavy and Tractor-Trailer Truck Drivers	1,085	1,194	109	10%	\$19.91
Retail Salespersons	638	737	99	16%	\$10.43
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	599	681	82	14%	\$13.84
Nursing Assistants	382	447	65	17%	\$11.29
Construction Laborers	456	517	62	14%	\$13.59
Emergency Medical Technicians and Paramedics	122	183	61	50%	\$17.79
Laborers and Freight, Stock, and Material Movers, Hand	373	434	61	16%	\$11.31
Office Clerks, General	520	572	53	10%	\$11.66
Cashiers	947	998	50	5%	\$8.95
Industrial Machinery Mechanics	175	224	49	28%	\$21.53
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	153	195	42	28%	\$26.65
First-Line Supervisors of Construction Trades and Extraction Workers	340	382	42	12%	\$25.80
Maintenance and Repair Workers, General	277	317	40	14%	\$15.37

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Personal Care Aides	175	214	39	22%	\$8.88
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	380	419	39	10%	\$9.97
Electricians	125	163	38	31%	\$19.79
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	731	768	37	5%	\$13.31
Landscaping and Groundskeeping Workers	234	270	35	15%	\$8.66
Combined Food Preparation and Serving Workers, Including Fast Food	454	488	34	8%	\$8.96
First-Line Supervisors of Office and Administrative Support Workers	285	316	31	11%	\$20.21
Service Unit Operators, Oil, Gas, and Mining	405	435	30	7%	\$23.88
Stock Clerks and Order Fillers	332	361	29	9%	\$10.35
Customer Service Representatives	200	229	29	15%	\$12.88
Roustabouts, Oil and Gas	554	582	28	5%	\$17.14
First-Line Supervisors of Retail Sales Workers	363	390	27	7%	\$15.89
Correctional Officers and Jailers	149	174	26	17%	\$15.15
Cooks, Restaurant	212	236	24	12%	\$9.75
Petroleum Pump System Operators, Refinery Operators, and Gaugers	177	201	24	14%	\$32.15
Licensed Practical and Licensed Vocational Nurses	212	236	24	11%	\$17.72
Teacher Assistants	306	329	24	8%	\$9.05
Plumbers, Pipefitters, and Steamfitters	125	148	23	19%	\$18.02
Bartenders	82	105	23	28%	\$8.94
Light Truck or Delivery Services Drivers	233	254	22	9%	\$13.72
Maids and Housekeeping	304	325	21	7%	\$8.77

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017- 2027)	% Change	2016 Median Hourly Earnings
Cleaners					
Carpenters	162	182	21	13%	\$14.33
Home Health Aides	90	110	20	23%	\$9.54
First-Line Supervisors of Production and Operating Workers	174	193	19	11%	\$26.73
Packaging and Filling Machine Operators and Tenders	112	131	19	17%	\$11.41
Agricultural Equipment Operators	78	96	18	24%	\$15.47
Rotary Drill Operators, Oil and Gas	139	157	18	13%	\$24.35
Welders, Cutters, Solderers, and Brazers	194	213	18	9%	\$17.75
Chemical Equipment Operators and Tenders	128	146	18	14%	\$23.62
Operating Engineers and Other Construction Equipment Operators	181	198	17	10%	\$19.17
Bakers	62	79	17	27%	\$13.81
Wellhead Pumpers	65	82	17	26%	\$23.90
Bus and Truck Mechanics and Diesel Engine Specialists	118	134	16	14%	\$20.87
Real Estate Sales Agents	83	98	16	19%	\$16.63
Police and Sheriff's Patrol Officers	173	188	16	9%	\$18.27
Waiters and Waitresses	352	366	14	4%	\$9.20
Packers and Packagers, Hand	55	68	13	24%	\$8.80

Most Competitive Occupations

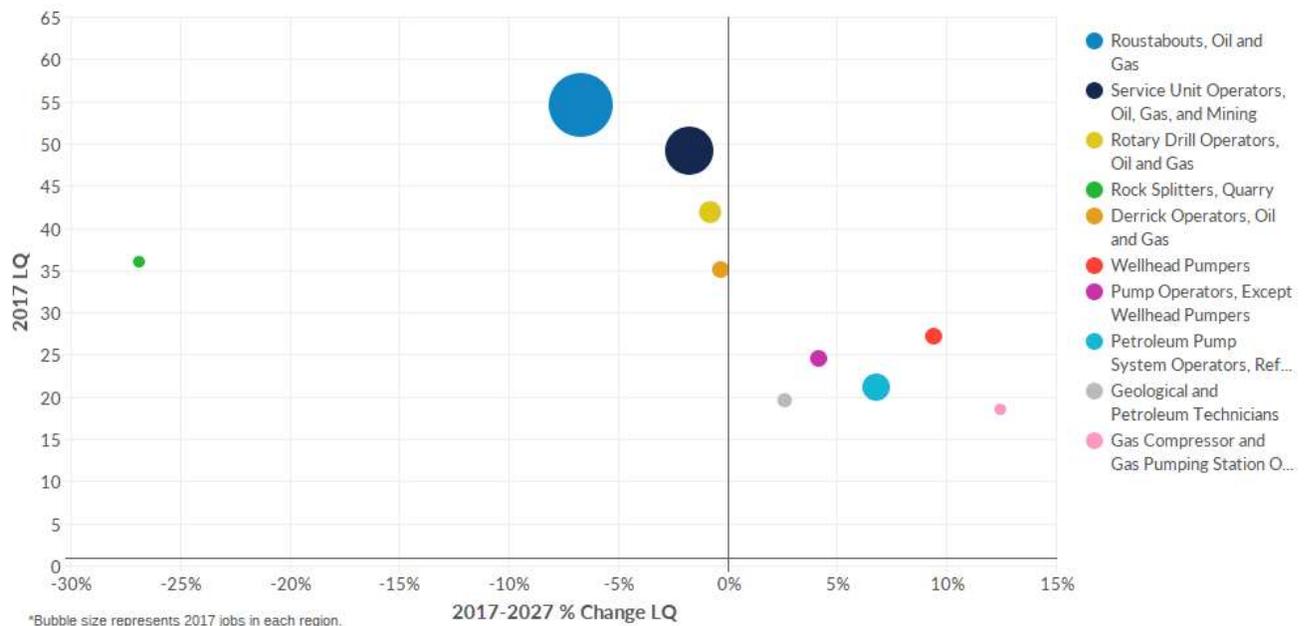


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	82	-25	50	25	56
Retail Salespersons	99	2	54	56	44
Emergency Medical Technicians and Paramedics	61	16	10	26	35
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	42	-1	13	12	30
Laborers and Freight, Stock, and Material Movers, Hand	61	0	31	31	30
Heavy and Tractor-Trailer Truck Drivers	109	-11	91	80	29
First-Line Supervisors of Construction Trades and Extraction Workers	42	-12	29	17	25
Electricians	38	5	11	16	23
Chemical Equipment Operators and Tenders	18	-14	11	-3	21
Office Clerks, General	53	-9	44	35	18
Industrial Machinery Mechanics	49	16	15	31	18
Correctional Officers and Jailers	26	-5	12	7	18
Real Estate Sales Agents	16	-8	7	-1	17
First-Line Supervisors of	19	-12	15	3	17

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Production and Operating Workers					
Carpenters	21	-10	14	4	17
Landscaping and Groundskeeping Workers	35	0	20	20	16
Petroleum Pump System Operators, Refinery Operators, and Gaugers	24	-6	15	9	15
Maintenance and Repair Workers, General	40	1	23	24	15
Bartenders	23	2	7	9	14
Packaging and Filling Machine Operators and Tenders	19	-4	9	5	13
Bakers	17	1	5	6	11
Plumbers, Pipefitters, and Steamfitters	23	3	11	14	10
Packers and Packagers, Hand	13	-1	5	4	10
First-Line Supervisors of Retail Sales Workers	27	-13	31	18	9
Food Batchmakers	10	-1	3	2	9
Wellhead Pumpers	17	3	6	9	8
Cashiers	50	-37	80	43	8
Farmworkers, Farm, Ranch, and Aquacultural Animals	13	-4	8	4	8
Inspectors, Testers, Sorters, Samplers, and Weighers	10	-2	4	2	8
Agricultural Equipment Operators	18	4	7	11	8
Shipping, Receiving, and Traffic Clerks	9	-4	5	1	8
First-Line Supervisors of Non-Retail Sales Workers	11	-2	5	3	7
Helpers--Production Workers	9	-5	6	1	7
Counter and Rental Clerks	11	-1	4	3	7
Welders, Cutters, Solderers, and Brazers	18	-5	16	11	7
Mixing and Blending Machine Setters, Operators, and Tenders	7	-1	2	1	7

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Mobile Heavy Equipment Mechanics, Except Engines	12	-1	6	5	7
Bookkeeping, Accounting, and Auditing Clerks	-8	-54	39	-15	7
Industrial Truck and Tractor Operators	13	-1	8	7	6
Printing Press Operators	5	-2	1	-1	6
Social and Human Service Assistants	9	1	2	3	6
Team Assemblers	11	-6	11	5	6
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	12	-2	8	6	6
Conveyor Operators and Tenders	10	-4	9	5	6
Nursing Assistants	65	27	32	59	6
Gas Plant Operators	6	-3	3	0	6
Customer Service Representatives	29	6	17	23	6
Light Truck or Delivery Services Drivers	22	-4	20	16	6
Construction Laborers	62	18	38	56	6
Advertising Sales Agents	5	-1	1	0	5

Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Roustabouts, Oil and Gas	554	582	5%	54.63	50.96	-7%	\$17.14
Service Unit Operators, Oil, Gas, and Mining	405	435	7%	49.24	48.38	-2%	\$23.88
Rotary Drill Operators, Oil and Gas	139	157	13%	41.98	41.63	-1%	\$24.35
Rock Splitters, Quarry	26	21	-21%	36.00	26.32	-27%	\$15.33
Derrick Operators, Oil and Gas	76	88	15%	35.06	34.93	0%	\$20.34
Wellhead Pumpers	65	82	26%	27.17	29.72	9%	\$23.90
Pump Operators, Except Wellhead Pumpers	65	74	14%	24.59	25.61	4%	\$20.41
Petroleum	177	201	14%	21.23	22.67	7%	\$32.15

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Pump System Operators, Refinery Operators, and Gaugers							
Geological and Petroleum Technicians	60	70	17%	19.64	20.15	3%	\$30.11
Gas Compressor and Gas Pumping Station Operators	15	17	15%	18.50	20.79	12%	\$31.84
Explosives Workers, Ordnance Handling Experts, and Blasters	23	25	6%	17.74	17.82	0%	\$20.45
Conveyor Operators and Tenders	101	111	10%	16.68	17.36	4%	\$14.21
Helpers--Extraction Workers	51	62	22%	14.26	15.14	6%	\$16.74
Extraction Workers, All Other	12	14	21%	13.72	14.49	6%	\$22.58
Gas Plant Operators	39	45	17%	11.40	12.92	13%	\$31.11
Gaming Managers	10	10	3%	10.51	10.04	-5%	\$21.32
Chemical Equipment Operators and Tenders	128	146	14%	8.59	9.93	16%	\$23.62
Gaming Surveillance Officers and Gaming Investigators	18	18	-1%	7.90	7.67	-3%	\$11.19

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gaming Change Persons and Booth Cashiers	36	37	1%	7.54	7.46	-1%	\$9.87
Gaming Cage Workers	30	34	14%	7.40	7.59	3%	\$9.81
Earth Drillers, Except Oil and Gas	30	35	15%	7.38	7.43	1%	\$13.85
Mine Cutting and Channeling Machine Operators	8	8	5%	6.97	6.99	0%	\$16.89
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	39	41	6%	6.28	6.59	5%	\$14.06
Agricultural Workers, All Other	15	16	9%	5.73	6.30	10%	\$21.79
Boilermakers	20	22	11%	5.68	5.70	0%	\$18.05
Automotive and Watercraft Service Attendants	128	134	4%	5.66	5.19	-8%	\$11.52
Farmers, Ranchers, and Other Agricultural Managers	542	483	-11%	5.61	5.37	-4%	\$11.41
Riggers	25	28	13%	5.55	5.80	5%	\$24.97
Farmworkers, Farm, Ranch, and Aquacultural Animals	100	113	13%	5.32	5.64	6%	\$12.30
Agricultural	26	29	11%	5.30	5.42	2%	\$16.57

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
and Food Science Technicians							
Pile-Driver Operators	4	4	17%	5.00	5.15	3%	\$18.99
Farm Labor Contractors	1	2	22%	4.87	4.88	0%	\$20.09
Farm Equipment Mechanics and Service Technicians	37	39	4%	4.82	4.50	-7%	\$20.98
Highway Maintenance Workers	138	148	7%	4.70	4.69	0%	\$15.78
Agricultural Equipment Operators	78	96	24%	4.65	5.00	7%	\$15.47
Outdoor Power Equipment and Other Small Engine Mechanics	32	37	15%	4.41	4.66	6%	\$14.11
Life, Physical, and Social Science Technicians, All Other	64	66	3%	4.41	4.08	-7%	\$18.14
Maintenance Workers, Machinery	84	95	14%	4.40	4.50	2%	\$18.94
Postmasters and Mail Superintendents	12	8	-34%	4.26	3.40	-20%	\$30.27
Manufactured Building and Mobile Home Installers	3	2	-20%	4.11	4.03	-2%	\$14.40
First-Line Supervisors of Farming,	42	44	6%	4.01	4.23	6%	\$27.99

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Fishing, and Forestry Workers							
Gaming Supervisors	19	21	11%	3.99	4.21	6%	\$13.46
Pesticide Handlers, Sprayers, and Applicators, Vegetation	27	30	12%	3.96	4.03	2%	\$12.24
Tank Car, Truck, and Ship Loaders	9	10	10%	3.92	3.92	0%	\$15.76
Paving, Surfacing, and Tamping Equipment Operators	41	36	-13%	3.92	3.05	-22%	\$17.40
Electro-Mechanical Technicians	11	12	11%	3.91	4.14	6%	\$19.80
New Accounts Clerks	31	30	-5%	3.77	3.68	-2%	\$14.65
Aircraft Mechanics and Service Technicians	101	102	0%	3.76	3.56	-5%	\$27.71
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	599	681	14%	3.71	3.99	7%	\$13.84
Morticians, Undertakers, and Funeral Directors	20	23	13%	3.64	3.83	5%	\$19.12

Appendix A - Data Sources and Calculations

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.

State Data Sources

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