



October 2017

**Pioneer Technology Center
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40053	Grant County, OK
40071	Kay County, OK
40103	Noble County, OK
40113	Osage 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

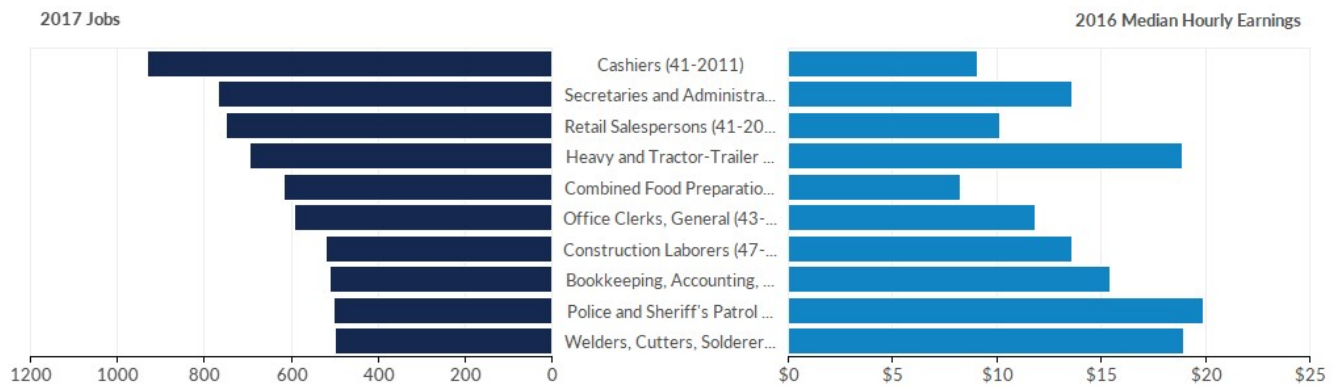
Timeframe

2017 - 2027

Datarun

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

Largest Occupations

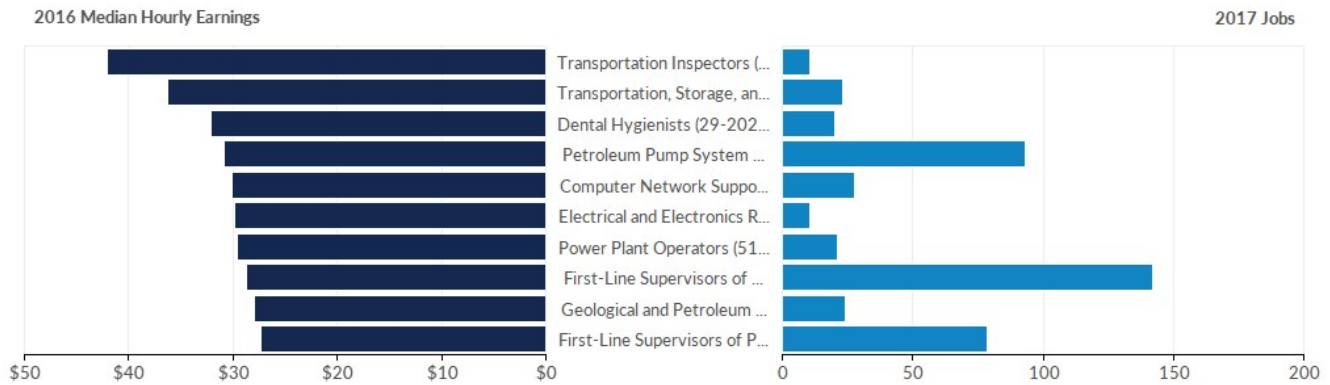


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Cashiers	932	941	10	1%	\$9.06
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	768	791	23	3%	\$13.61
Retail Salespersons	749	809	60	8%	\$10.14
Heavy and Tractor-Trailer Truck Drivers	696	784	88	13%	\$18.90
Combined Food Preparation and Serving Workers, Including Fast Food	618	626	8	1%	\$8.23
Office Clerks, General	593	640	47	8%	\$11.85
Construction Laborers	521	610	90	17%	\$13.59
Bookkeeping, Accounting, and Auditing Clerks	511	498	-13	-3%	\$15.44
Police and Sheriff's Patrol Officers	503	650	147	29%	\$19.91
Welders, Cutters, Solderers, and Brazers	498	535	38	8%	\$18.97
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	486	521	35	7%	\$10.10
Nursing Assistants	442	465	23	5%	\$11.01
Personal Care Aides	399	509	111	28%	\$8.89
Stock Clerks and Order Fillers	388	386	-1	0%	\$10.35
Waiters and Waitresses	383	383	0	0%	\$8.36

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Maintenance and Repair Workers, General	380	435	55	14%	\$15.40
First-Line Supervisors of Retail Sales Workers	379	383	5	1%	\$15.18
Laborers and Freight, Stock, and Material Movers, Hand	350	374	25	7%	\$11.44
First-Line Supervisors of Office and Administrative Support Workers	346	376	30	9%	\$20.76
Teacher Assistants	309	301	-7	-2%	\$8.78
Landscaping and Groundskeeping Workers	308	334	26	8%	\$8.61
First-Line Supervisors of Construction Trades and Extraction Workers	303	350	46	15%	\$25.20
Team Assemblers	280	305	25	9%	\$15.22
Maids and Housekeeping Cleaners	270	276	6	2%	\$8.74
Customer Service Representatives	263	283	21	8%	\$13.03
First-Line Supervisors of Production and Operating Workers	249	266	17	7%	\$26.66
Licensed Practical and Licensed Vocational Nurses	248	248	0	0%	\$17.51
Childcare Workers	245	190	-54	-22%	\$8.44
First-Line Supervisors of Food Preparation and Serving Workers	242	241	-1	0%	\$11.18
Highway Maintenance Workers	239	284	45	19%	\$16.11
Cooks, Institution and Cafeteria	234	214	-20	-8%	\$9.00
Cooks, Restaurant	225	244	19	9%	\$9.01
Cooks, Fast Food	209	168	-41	-20%	\$8.19
Firefighters	209	277	68	33%	\$16.00
Automotive Service Technicians and Mechanics	205	214	9	4%	\$13.27
Carpenters	204	226	23	11%	\$14.30

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Home Health Aides	200	229	29	14%	\$9.40
Light Truck or Delivery Services Drivers	200	225	25	12%	\$13.75
Operating Engineers and Other Construction Equipment Operators	196	230	34	17%	\$19.10
Machinists	191	218	27	14%	\$18.71
Correctional Officers and Jailers	188	221	33	18%	\$14.82
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	178	168	-10	-5%	\$9.40
Roustabouts, Oil and Gas	177	195	18	10%	\$17.22
Executive Secretaries and Executive Administrative Assistants	175	177	2	1%	\$19.95
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	175	225	51	29%	\$24.80
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	169	194	25	15%	\$13.45
Hairdressers, Hairstylists, and Cosmetologists	162	155	-7	-5%	\$11.64
Electricians	157	204	47	30%	\$21.64
Bus Drivers, School or Special Client	148	163	16	11%	\$9.70
Plumbers, Pipefitters, and Steamfitters	146	167	21	14%	\$17.76

Highest Paying Occupations

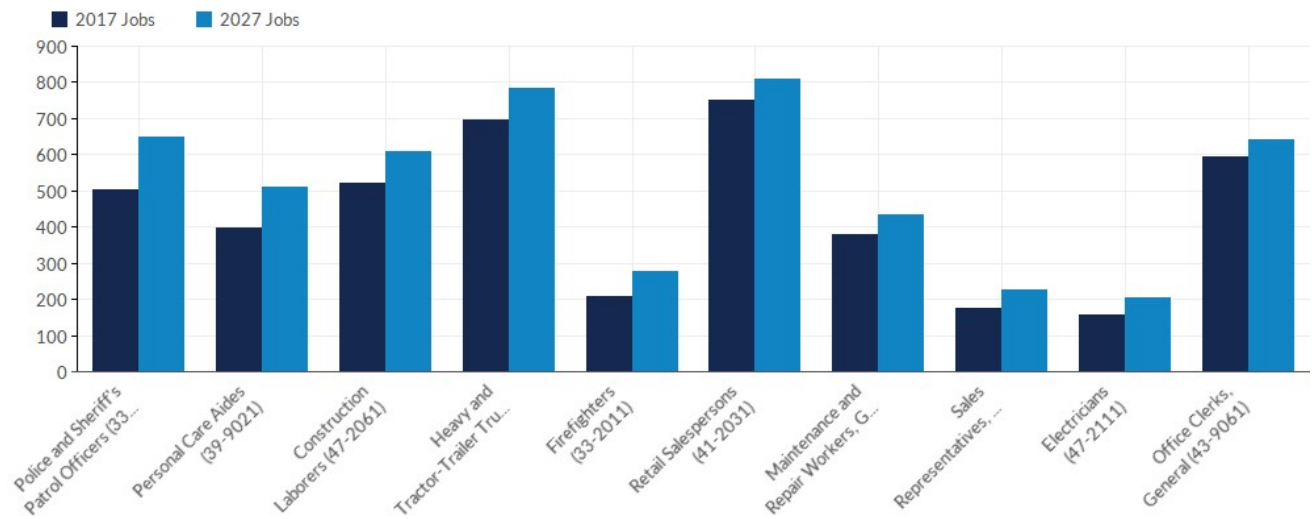


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Transportation Inspectors	11	12	1	9%	\$42.07
Transportation, Storage, and Distribution Managers	23	27	4	17%	\$36.31
Dental Hygienists	20	27	7	35%	\$32.12
Petroleum Pump System Operators, Refinery Operators, and Gaugers	93	100	7	8%	\$30.87
Computer Network Support Specialists	28	30	2	7%	\$30.04
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	11	10	-1	-9%	\$29.88
Power Plant Operators	21	19	-2	-10%	\$29.66
First-Line Supervisors of Mechanics, Installers, and Repairers	142	160	18	13%	\$28.68
Geological and Petroleum Technicians	24	23	-1	-4%	\$27.94
First-Line Supervisors of Police and Detectives	79	103	24	30%	\$27.30
Aircraft Mechanics and Service Technicians	81	74	-7	-9%	\$26.72
First-Line Supervisors of Production and Operating Workers	249	266	17	7%	\$26.66
Physical Therapist Assistants	17	24	7	41%	\$26.37
First-Line Supervisors of Farming, Fishing, and Forestry Workers	15	16	1	7%	\$26.34

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Control and Valve Installers and Repairers, Except Mechanical Door	16	18	2	13%	\$25.91
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	73	83	10	14%	\$25.87
Electrical Power-Line Installers and Repairers	73	92	19	26%	\$25.57
First-Line Supervisors of Construction Trades and Extraction Workers	303	350	47	16%	\$25.20
Detectives and Criminal Investigators	25	32	7	28%	\$25.04
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	175	225	50	29%	\$24.80
First-Line Supervisors of Fire Fighting and Prevention Workers	66	85	19	29%	\$24.77
Crane and Tower Operators	21	23	2	10%	\$24.67
Mechanical Drafters	27	28	1	4%	\$24.23
Railroad Conductors and Yardmasters	18	20	2	11%	\$24.19
Wellhead Pumpers	21	21	0	0%	\$24.08
Tax Preparers	27	27	0	0%	\$24.05
Telecommunications Line Installers and Repairers	25	34	9	36%	\$23.98
Riggers	11	13	2	18%	\$23.90
Respiratory Therapists	14	12	-2	-14%	\$23.85
Postal Service Mail Carriers	94	65	-29	-31%	\$23.76
Rotary Drill Operators, Oil and Gas	43	48	5	12%	\$23.71
Industrial Engineering Technicians	13	15	2	15%	\$23.49
Industrial Machinery Mechanics	136	170	34	25%	\$23.47
Production, Planning, and Expediting Clerks	69	77	8	12%	\$23.29
Engineering Technicians, Except Drafters, All Other	38	37	-1	-3%	\$22.97

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Electrical and Electronics Engineering Technicians	38	42	4	11%	\$22.85
Construction and Building Inspectors	52	67	15	29%	\$22.80
Locomotive Engineers	15	16	1	7%	\$22.78
Architectural and Civil Drafters	12	15	3	25%	\$22.75
Service Unit Operators, Oil, Gas, and Mining	115	127	12	10%	\$22.75
Gaming Managers	22	26	4	18%	\$22.59
Title Examiners, Abstractors, and Searchers	26	22	-4	-15%	\$22.54
Radiologic Technologists	27	22	-5	-19%	\$22.46
Surveying and Mapping Technicians	12	14	2	17%	\$22.37
Web Developers	15	18	3	20%	\$22.22
Mobile Heavy Equipment Mechanics, Except Engines	54	61	7	13%	\$22.21
Mechanical Engineering Technicians	26	28	2	8%	\$21.88
Electrical and Electronics Repairers, Commercial and Industrial Equipment	19	20	1	5%	\$21.72
Telecommunications Equipment Installers and Repairers, Except Line Installers	36	31	-5	-14%	\$21.68
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	49	45	-4	-8%	\$21.65

Fastest Growing Occupations

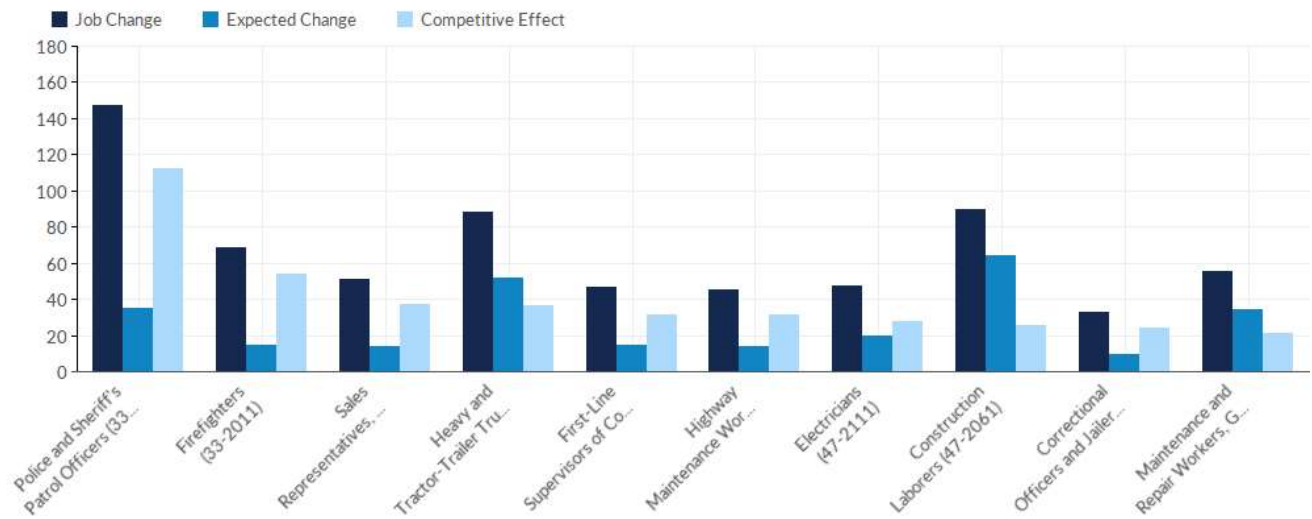


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Police and Sheriff's Patrol Officers	503	650	147	29%	\$19.91
Personal Care Aides	399	509	111	28%	\$8.89
Construction Laborers	521	610	90	17%	\$13.59
Heavy and Tractor-Trailer Truck Drivers	696	784	88	13%	\$18.90
Firefighters	209	277	68	33%	\$16.00
Retail Salespersons	749	809	60	8%	\$10.14
Maintenance and Repair Workers, General	380	435	55	14%	\$15.40
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	175	225	51	29%	\$24.80
Electricians	157	204	47	30%	\$21.64
Office Clerks, General	593	640	47	8%	\$11.85
First-Line Supervisors of Construction Trades and Extraction Workers	303	350	46	15%	\$25.20
Highway Maintenance Workers	239	284	45	19%	\$16.11
Welders, Cutters, Solderers, and Brazers	498	535	38	8%	\$18.97
Janitors and Cleaners, Except	486	521	35	7%	\$10.10

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Maids and Housekeeping Cleaners					
Industrial Machinery Mechanics	136	170	34	25%	\$23.47
Operating Engineers and Other Construction Equipment Operators	196	230	34	17%	\$19.10
Correctional Officers and Jailers	188	221	33	18%	\$14.82
First-Line Supervisors of Office and Administrative Support Workers	346	376	30	9%	\$20.76
Home Health Aides	200	229	29	14%	\$9.40
Water and Wastewater Treatment Plant and System Operators	126	154	28	22%	\$14.57
Emergency Medical Technicians and Paramedics	90	118	28	31%	\$14.78
Machinists	191	218	27	14%	\$18.71
Landscaping and Groundskeeping Workers	308	334	26	8%	\$8.61
Computer-Controlled Machine Tool Operators, Metal and Plastic	121	147	25	21%	\$21.62
Recreation Workers	72	97	25	35%	\$10.60
Team Assemblers	280	305	25	9%	\$15.22
Light Truck or Delivery Services Drivers	200	225	25	12%	\$13.75
Laborers and Freight, Stock, and Material Movers, Hand	350	374	25	7%	\$11.44
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	169	194	25	15%	\$13.45
Court, Municipal, and License Clerks	96	120	24	25%	\$14.45
First-Line Supervisors of Police and Detectives	79	103	24	31%	\$27.30
Bus and Truck Mechanics and Diesel Engine Specialists	101	124	23	23%	\$19.72
Nursing Assistants	442	465	23	5%	\$11.01
Secretaries and Administrative	768	791	23	3%	\$13.61

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Assistants, Except Legal, Medical, and Executive					
Carpenters	204	226	23	11%	\$14.30
Plumbers, Pipefitters, and Steamfitters	146	167	21	14%	\$17.76
Fitness Trainers and Aerobics Instructors	77	98	21	27%	\$18.62
Customer Service Representatives	263	283	21	8%	\$13.03
Dental Assistants	101	121	20	20%	\$13.94
Cooks, Restaurant	225	244	19	9%	\$9.01
Electrical Power-Line Installers and Repairers	73	92	19	25%	\$25.57
First-Line Supervisors of Fire Fighting and Prevention Workers	66	85	19	28%	\$24.77
First-Line Supervisors of Mechanics, Installers, and Repairers	142	160	18	13%	\$28.68
Social and Human Service Assistants	37	55	18	49%	\$11.96
Refuse and Recyclable Material Collectors	105	123	18	17%	\$15.01
Roustabouts, Oil and Gas	177	195	18	10%	\$17.22
Bus Drivers, Transit and Intercity	62	80	18	28%	\$9.99
First-Line Supervisors of Production and Operating Workers	249	266	17	7%	\$26.66
Library Technicians	62	77	16	26%	\$11.12
Bus Drivers, School or Special Client	148	163	16	11%	\$9.70

Most Competitive Occupations

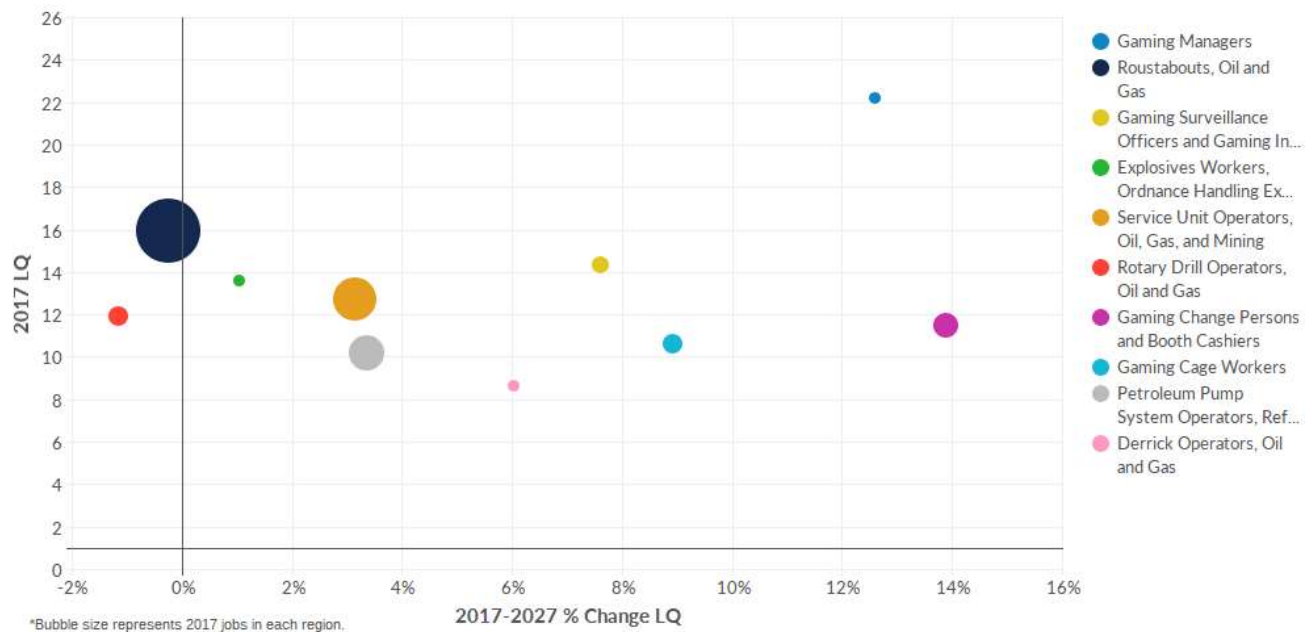


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Police and Sheriff's Patrol Officers	147	-7	42	35	112
Firefighters	68	-3	18	15	54
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	51	-1	15	14	37
Heavy and Tractor-Trailer Truck Drivers	88	-7	59	52	37
First-Line Supervisors of Construction Trades and Extraction Workers	46	-11	26	15	31
Highway Maintenance Workers	45	-6	20	14	31
Electricians	47	6	13	19	28
Construction Laborers	90	20	44	64	26
Correctional Officers and Jailers	33	-6	16	10	24
Maintenance and Repair Workers, General	55	2	32	34	21
First-Line Supervisors of Police and Detectives	24	-2	7	5	20
Water and Wastewater Treatment Plant and System Operators	28	-1	11	10	19
Court, Municipal, and License	24	-3	8	5	19

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Clerks					
Carpenters	23	-12	17	5	18
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	25	-7	14	7	17
Recreation Workers	25	3	6	9	17
Personal Care Aides	111	60	34	94	17
Team Assemblers	25	-13	24	11	15
Police, Fire, and Ambulance Dispatchers	15	-8	9	1	14
Operating Engineers and Other Construction Equipment Operators	34	3	16	19	14
First-Line Supervisors of Fire Fighting and Prevention Workers	19	-1	6	5	14
First-Line Supervisors of Production and Operating Workers	17	-17	21	4	14
Social and Human Service Assistants	18	2	3	5	13
Bus Drivers, Transit and Intercity	18	0	5	5	12
Fitness Trainers and Aerobics Instructors	21	3	7	10	12
Light Truck or Delivery Services Drivers	25	-3	17	14	11
Construction and Building Inspectors	15	0	4	4	11
Industrial Machinery Mechanics	34	12	11	23	11
Bus and Truck Mechanics and Diesel Engine Specialists	23	5	8	13	10
Library Technicians	16	1	5	6	10
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	14	0	4	4	9
Emergency Medical Technicians and Paramedics	28	12	8	20	9
Cabinetmakers and Bench Carpenters	9	-1	2	1	8

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Welders, Cutters, Solderers, and Brazers	38	-12	42	30	8
Library Assistants, Clerical	12	0	4	4	8
Gaming Change Persons and Booth Cashiers	9	-4	5	1	8
Office Clerks, General	47	-11	50	39	8
Telecommunications Line Installers and Repairers	9	-1	2	1	8
Electrical Power-Line Installers and Repairers	19	5	6	11	8
Gaming Supervisors	9	-2	3	1	7
Machinists	27	3	16	19	7
First-Line Supervisors of Mechanics, Installers, and Repairers	18	-1	12	11	7
Refuse and Recyclable Material Collectors	18	2	9	11	7
Inspectors, Testers, Sorters, Samplers, and Weighers	10	-3	6	3	7
Detectives and Criminal Investigators	7	-2	2	0	6
Structural Iron and Steel Workers	7	-1	2	1	6
Gaming Dealers	9	0	4	4	6
Computer-Controlled Machine Tool Operators, Metal and Plastic	25	10	10	20	6
Eligibility Interviewers, Government Programs	6	0	1	1	5
Parts Salespersons	13	0	8	8	5

Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gaming Managers	22	26	19%	22.24	25.03	13%	\$22.59
Roustabouts, Oil and Gas	177	195	10%	15.99	15.95	0%	\$17.22
Gaming Surveillance Officers and Gaming Investigators	35	38	8%	14.39	15.49	8%	\$11.59
Explosives Workers, Ordnance Handling Experts, and Blasters	19	20	5%	13.61	13.75	1%	\$20.51
Service Unit Operators, Oil, Gas, and Mining	115	127	10%	12.75	13.15	3%	\$22.75
Rotary Drill Operators, Oil and Gas	43	48	11%	11.93	11.79	-1%	\$23.71

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gaming Change Persons and Booth Cashiers	60	69	14%	11.51	13.10	14%	\$10.06
Gaming Cage Workers	47	55	19%	10.63	11.58	9%	\$9.81
Petroleum Pump System Operators, Refinery Operators, and Gaugers	93	100	8%	10.20	10.54	3%	\$30.87
Derrick Operators, Oil and Gas	21	25	20%	8.69	9.22	6%	\$20.25
Wellhead Pumpers	21	21	-2%	8.13	7.11	-13%	\$24.08
Rock Splitters, Quarry	6	6	-2%	7.67	7.04	-8%	\$17.33
Highway Maintenance Workers	239	284	19%	7.44	8.41	13%	\$16.11
Geological and Petroleum Technicians	24	23	-4%	7.22	6.23	-14%	\$27.94
Boilermakers	26	29	11%	7.03	7.17	2%	\$19.63
Gaming Supervisors	35	44	25%	6.72	8.13	21%	\$13.93
Pump Operators, Except Wellhead Pumpers	19	20	7%	6.55	6.57	0%	\$20.45
Animal Control Workers	17	21	26%	5.82	6.89	18%	\$14.43
Welders, Cutters, Solderers, and Brazers	498	535	8%	5.54	5.66	2%	\$18.97

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
First-Line Supervisors of Fire Fighting and Prevention Workers	66	85	28%	5.23	6.31	21%	\$24.77
Chemical Equipment Operators and Tenders	83	79	-4%	5.10	5.06	-1%	\$20.02
Water and Wastewater Treatment Plant and System Operators	126	154	22%	4.93	5.65	15%	\$14.57
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	49	45	-8%	4.75	4.98	5%	\$21.65
Police, Fire, and Ambulance Dispatchers	102	117	15%	4.67	5.36	15%	\$13.61
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	121	123	2%	4.65	4.65	0%	\$16.24
Community Health Workers	58	64	10%	4.54	4.38	-4%	\$10.14
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	11	10	-13%	4.23	4.16	-2%	\$17.68

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Helpers-- Extraction Workers	16	20	21%	4.19	4.50	7%	\$17.00
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	80	86	7%	4.17	4.37	5%	\$14.55
Engine and Other Machine Assemblers	35	38	10%	4.14	4.39	6%	\$19.52
Conveyor Operators and Tenders	27	28	4%	4.11	4.14	1%	\$13.65
Pile-Driver Operators	3	3	3%	4.09	3.81	-7%	\$20.02
Paving, Surfacing, and Tamping Equipment Operators	46	52	12%	4.04	4.15	3%	\$15.38
Embalmers	3	3	-5%	4.04	4.02	0%	\$16.49
Electro- Mechanical Technicians	12	15	20%	3.98	4.69	18%	\$20.40
Earth Drillers, Except Oil and Gas	18	21	21%	3.94	4.24	8%	\$15.16
Forest Fire Inspectors and Prevention Specialists	2	2	27%	3.93	4.50	14%	\$13.11
Septic Tank Servicers and Sewer Pipe Cleaners	24	28	15%	3.82	3.80	-1%	\$18.63
Computer- Controlled Machine Tool	121	147	21%	3.74	3.91	5%	\$21.62

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Operators, Metal and Plastic							
Maintenance Workers, Machinery	76	85	11%	3.67	3.73	2%	\$19.46
Refuse and Recyclable Material Collectors	105	123	17%	3.67	3.91	7%	\$15.01
Funeral Service Managers	7	8	5%	3.53	3.51	-1%	\$27.50
First-Line Supervisors of Police and Detectives	79	103	31%	3.53	4.39	24%	\$27.30
Metal Workers and Plastic Workers, All Other	18	12	-33%	3.45	2.53	-27%	\$14.60
Extraction Workers, All Other	3	4	27%	3.38	3.83	13%	\$21.87
Morticians, Undertakers, and Funeral Directors	20	22	7%	3.34	3.39	2%	\$18.75
Court, Municipal, and License Clerks	96	120	25%	3.32	3.95	19%	\$14.45
Police and Sheriff's Patrol Officers	503	650	29%	3.29	4.01	22%	\$19.91
Automotive and Watercraft Service Attendants	81	89	10%	3.28	3.23	-1%	\$11.02
Helpers-- Pipelayers, Plumbers,	40	45	12%	3.20	3.20	0%	\$13.00

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Pipefitters, and Steamfitters							

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