



September 2017

**Central Technology Center
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40037	Creek County, OK
40081	Lincoln County, OK
40113	Osage County, OK
40117	Pawnee County, OK
40119	Payne 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

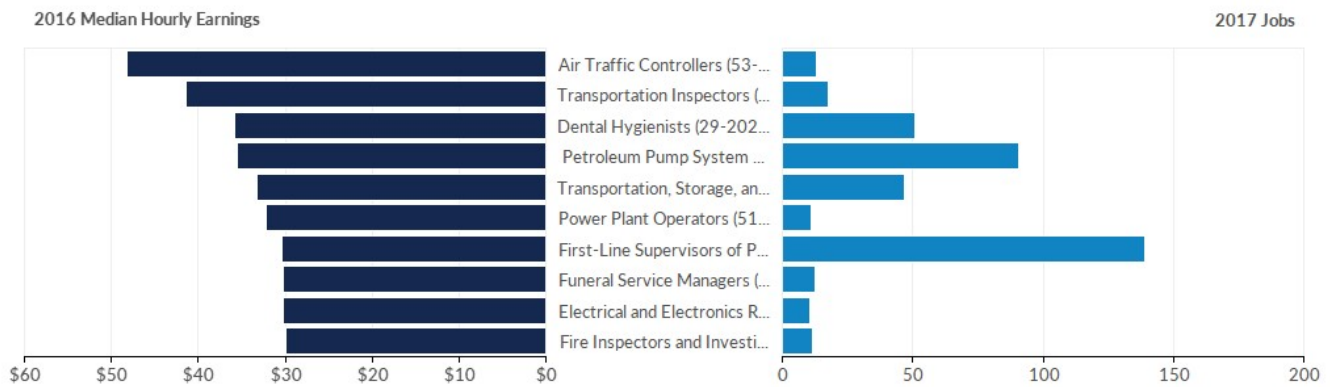


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Retail Salespersons	2,151	2,572	421	20%	\$9.91
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,080	2,045	-35	-2%	\$14.04
Cashiers	2,048	2,132	84	4%	\$8.94
Combined Food Preparation and Serving Workers, Including Fast Food	1,991	2,411	420	21%	\$8.67
Office Clerks, General	1,948	1,960	11	1%	\$12.27
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,591	1,764	174	11%	\$9.78
Heavy and Tractor-Trailer Truck Drivers	1,335	1,370	35	3%	\$17.75
Waiters and Waitresses	1,201	1,193	-8	-1%	\$8.84
Bookkeeping, Accounting, and Auditing Clerks	1,078	1,033	-45	-4%	\$15.87
Construction Laborers	1,050	1,190	141	13%	\$13.25
Stock Clerks and Order Fillers	942	1,075	132	14%	\$10.22
Maintenance and Repair Workers, General	937	1,018	81	9%	\$15.66
First-Line Supervisors of Retail Sales Workers	934	999	65	7%	\$14.74
Teacher Assistants	827	810	-17	-2%	\$8.90
Nursing Assistants	812	889	77	9%	\$11.82

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
First-Line Supervisors of Office and Administrative Support Workers	805	889	84	10%	\$21.55
Customer Service Representatives	754	844	91	12%	\$13.20
Landscaping and Groundskeeping Workers	748	830	82	11%	\$8.91
First-Line Supervisors of Food Preparation and Serving Workers	742	846	104	14%	\$11.87
Laborers and Freight, Stock, and Material Movers, Hand	729	798	68	9%	\$11.95
Cooks, Fast Food	725	694	-31	-4%	\$8.57
Cooks, Restaurant	681	740	59	9%	\$9.65
Personal Care Aides	647	655	8	1%	\$9.12
Police and Sheriff's Patrol Officers	642	772	130	20%	\$21.39
Maids and Housekeeping Cleaners	629	674	45	7%	\$8.68
Childcare Workers	617	527	-91	-15%	\$8.09
First-Line Supervisors of Construction Trades and Extraction Workers	605	653	48	8%	\$24.25
Carpenters	591	592	1	0%	\$14.36
Welders, Cutters, Solderers, and Brazers	544	593	49	9%	\$19.11
Cooks, Institution and Cafeteria	526	509	-17	-3%	\$9.35
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	498	567	69	14%	\$9.79
Licensed Practical and Licensed Vocational Nurses	484	498	14	3%	\$19.32
Executive Secretaries and Executive Administrative Assistants	441	417	-24	-5%	\$20.41
Automotive Service Technicians and Mechanics	438	451	13	3%	\$12.91
Food Preparation Workers	436	462	25	6%	\$9.02

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Team Assemblers	432	495	62	14%	\$15.03
First-Line Supervisors of Production and Operating Workers	400	429	29	7%	\$24.88
Computer User Support Specialists	396	402	6	2%	\$19.16
Home Health Aides	382	374	-8	-2%	\$10.53
Electricians	380	505	125	33%	\$19.53
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	368	449	81	22%	\$22.71
Light Truck or Delivery Services Drivers	363	386	23	6%	\$13.57
Hairdressers, Hairstylists, and Cosmetologists	357	346	-11	-3%	\$11.62
Insurance Sales Agents	347	397	49	14%	\$19.09
Security Guards	347	371	23	7%	\$11.57
Preschool Teachers, Except Special Education	341	329	-12	-4%	\$15.12
Plumbers, Pipefitters, and Steamfitters	335	385	51	15%	\$19.07
Receptionists and Information Clerks	334	359	25	7%	\$12.06
Operating Engineers and Other Construction Equipment Operators	327	380	54	16%	\$17.25
Medical Secretaries	320	351	31	10%	\$13.70

Highest Paying Occupations

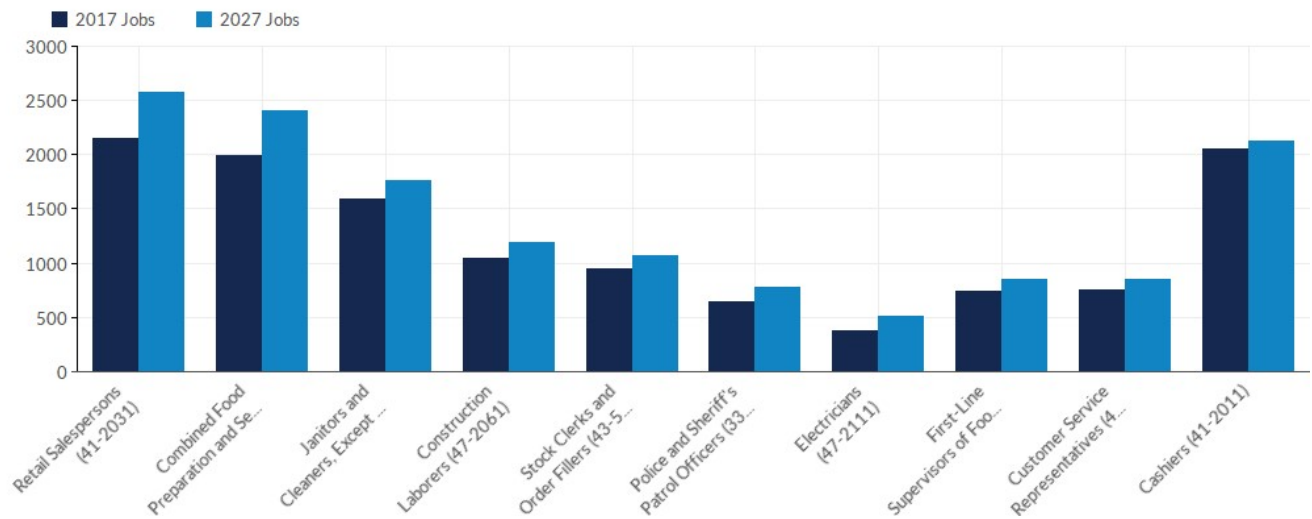


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Air Traffic Controllers	13	12	-1	-8%	\$48.28
Transportation Inspectors	18	19	1	6%	\$41.37
Dental Hygienists	51	62	11	22%	\$35.89
Petroleum Pump System Operators, Refinery Operators, and Gaugers	91	99	8	9%	\$35.52
Transportation, Storage, and Distribution Managers	47	52	5	11%	\$33.29
Power Plant Operators	11	11	0	0%	\$32.24
First-Line Supervisors of Police and Detectives	139	162	23	17%	\$30.38
Funeral Service Managers	12	13	1	8%	\$30.30
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	11	11	0	0%	\$30.22
Fire Inspectors and Investigators	12	14	2	17%	\$29.97
Computer Network Support Specialists	102	105	3	3%	\$29.94
Physical Therapist Assistants	47	67	20	43%	\$29.25
Diagnostic Medical Sonographers	16	19	3	19%	\$28.86
Aircraft Mechanics and Service Technicians	184	185	1	1%	\$28.75
Gas Plant Operators	27	33	6	22%	\$28.61
Occupational Therapy Assistants	23	32	9	39%	\$28.17

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Rail Car Repairers	10	12	2	20%	\$28.10
First-Line Supervisors of Mechanics, Installers, and Repairers	284	313	29	10%	\$27.84
Detectives and Criminal Investigators	38	45	7	18%	\$27.28
First-Line Supervisors of Fire Fighting and Prevention Workers	92	109	17	18%	\$27.04
Avionics Technicians	21	21	0	0%	\$27.00
Tool and Die Makers	21	22	1	5%	\$26.87
Geological and Petroleum Technicians	59	60	1	2%	\$25.99
First-Line Supervisors of Farming, Fishing, and Forestry Workers	19	19	0	0%	\$25.11
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	134	145	11	8%	\$25.08
Industrial Engineering Technicians	20	21	1	5%	\$24.93
Engineering Technicians, Except Drafters, All Other	63	59	-4	-6%	\$24.91
Respiratory Therapists	35	39	4	11%	\$24.88
First-Line Supervisors of Production and Operating Workers	400	429	29	7%	\$24.88
Stationary Engineers and Boiler Operators	19	22	3	16%	\$24.72
Mechanical Drafters	42	43	1	2%	\$24.61
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	11	14	3	27%	\$24.58
Postal Service Mail Carriers	186	156	-30	-16%	\$24.55
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17	24	7	41%	\$24.51
Postal Service Mail Sorters, Processors, and Processing Machine Operators	44	37	-7	-16%	\$24.47
Tax Preparers	48	47	-1	-2%	\$24.34
First-Line Supervisors of	605	653	48	8%	\$24.25

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Construction Trades and Extraction Workers					
Wellhead Pumpers	40	41	1	3%	\$24.22
Architectural and Civil Drafters	26	28	2	8%	\$24.21
Control and Valve Installers and Repairers, Except Mechanical Door	27	32	5	19%	\$24.18
Postal Service Clerks	44	36	-8	-18%	\$24.07
Gaming Managers	19	22	3	16%	\$24.06
Radiologic Technologists	69	71	2	3%	\$23.96
Mechanical Engineering Technicians	26	28	2	8%	\$23.79
Rotary Drill Operators, Oil and Gas	81	89	8	10%	\$23.68
Railroad Brake, Signal, and Switch Operators	11	13	2	18%	\$23.62
Legal Support Workers, All Other	16	17	1	6%	\$23.44
Surveying and Mapping Technicians	22	22	0	0%	\$23.35
Locomotive Engineers	24	28	4	17%	\$23.12
Chemical Equipment Operators and Tenders	34	39	5	15%	\$22.93

Fastest Growing Occupations

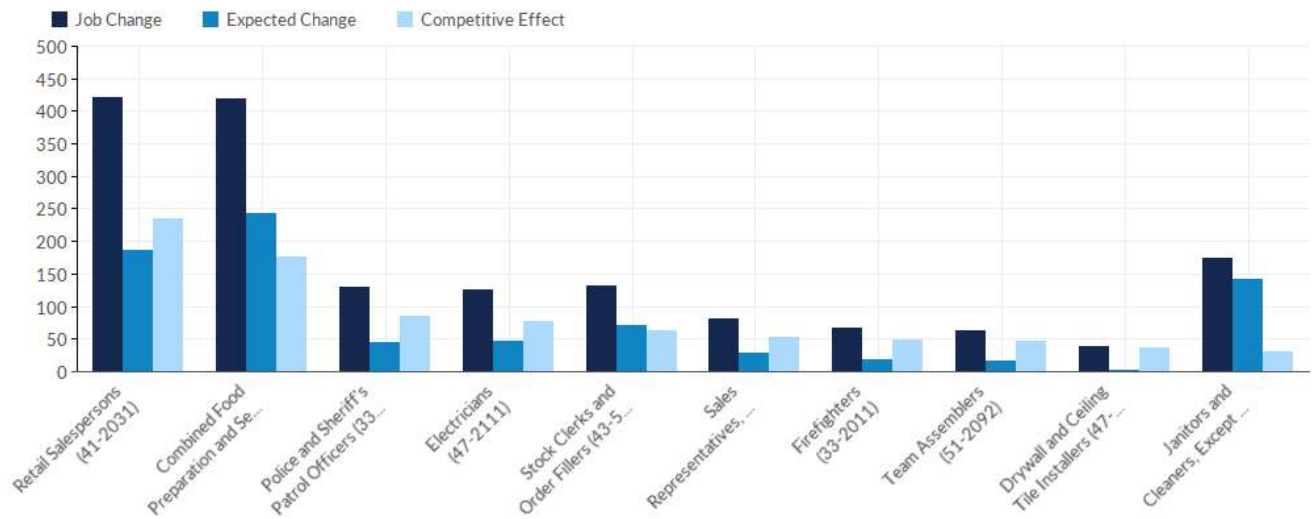


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Stock Clerks and Order Fillers	942	1,075	132	14%	\$10.22
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Maintenance and Repair Workers, General	937	1,018	81	9%	\$15.66
Nursing Assistants	812	889	77	9%	\$11.82
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	498	567	69	14%	\$9.79
Laborers and Freight, Stock, and Material Movers, Hand	729	798	68	9%	\$11.95
Firefighters	266	332	66	25%	\$17.84
First-Line Supervisors of Retail Sales Workers	934	999	65	7%	\$14.74
Team Assemblers	432	495	62	14%	\$15.03
Cooks, Restaurant	681	740	59	9%	\$9.65
Operating Engineers and Other Construction Equipment Operators	327	380	54	16%	\$17.25
Plumbers, Pipefitters, and Steamfitters	335	385	51	15%	\$19.07
Emergency Medical Technicians and Paramedics	140	191	50	36%	\$15.78
Insurance Sales Agents	347	397	49	14%	\$19.09
Welders, Cutters, Solderers, and Brazers	544	593	49	9%	\$19.11
First-Line Supervisors of Construction Trades and Extraction Workers	605	653	48	8%	\$24.25
Industrial Machinery Mechanics	193	240	46	24%	\$21.97
Maids and Housekeeping Cleaners	629	674	45	7%	\$8.68
Sales Representatives, Services, All Other	281	325	44	16%	\$18.91
Cement Masons and Concrete Finishers	198	240	42	21%	\$15.16
Drywall and Ceiling Tile Installers	100	137	38	38%	\$18.74

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Driver/Sales Workers	209	246	37	18%	\$10.09
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	230	266	36	16%	\$19.32
Heavy and Tractor-Trailer Truck Drivers	1,335	1,370	35	3%	\$17.75
Bartenders	240	273	33	14%	\$9.02
Medical Assistants	233	265	32	14%	\$13.28
Medical Secretaries	320	351	31	10%	\$13.70
Computer-Controlled Machine Tool Operators, Metal and Plastic	144	175	31	22%	\$18.38
Recreation Workers	125	156	31	25%	\$11.37
Fitness Trainers and Aerobics Instructors	125	155	30	24%	\$20.35
Helpers--Electricians	102	132	30	29%	\$14.35
Water and Wastewater Treatment Plant and System Operators	127	156	29	23%	\$15.65
First-Line Supervisors of Production and Operating Workers	400	429	29	7%	\$24.88
First-Line Supervisors of Mechanics, Installers, and Repairers	284	313	29	10%	\$27.84
Inspectors, Testers, Sorters, Samplers, and Weighers	225	254	29	13%	\$18.02
Self-Enrichment Education Teachers	173	199	26	15%	\$15.84
Food Preparation Workers	436	462	25	6%	\$9.02
Roustabouts, Oil and Gas	270	295	25	9%	\$16.32
Receptionists and Information Clerks	334	359	25	7%	\$12.06

Most Competitive Occupations

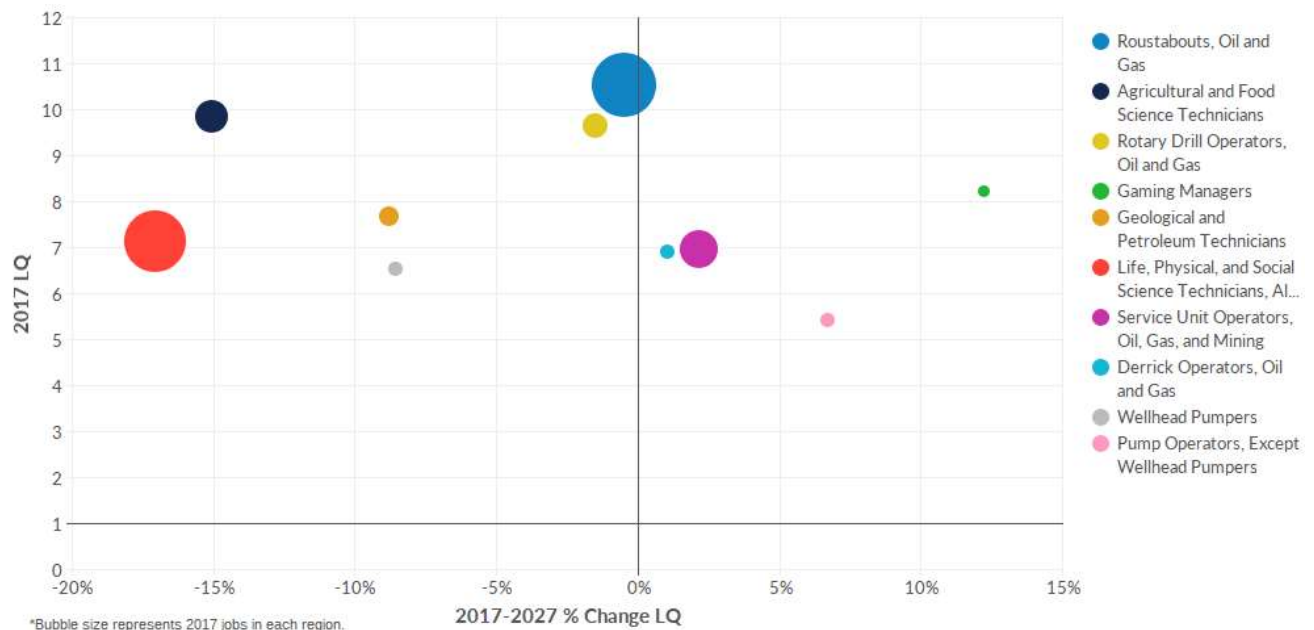


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Retail Salespersons (41-2031)	421	6	181	187	234
Combined Food Preparation and Serving Workers, Including Fast Food	420	76	167	243	177
Police and Sheriff's Patrol Officers (33-3011)	130	-10	54	44	85
Electricians (47-2111)	125	15	32	47	78
Stock Clerks and Order Fillers (43-5011)	132	-9	79	70	62
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	81	-2	31	29	52
Firefighters (33-2011)	66	-4	22	18	48
Team Assemblers (51-2092)	62	-20	36	16	46
Drywall and Ceiling Tile Installers (47-9011)	38	-7	8	1	36
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	174	9	134	143	31
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	69	1	42	43	26
First-Line Supervisors of Production and Operating Workers	29	-28	34	6	24

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Operating Engineers and Other Construction Equipment Operators	54	5	27	32	21
Emergency Medical Technicians and Paramedics	50	18	12	30	21
Cooks, Fast Food	-31	-113	61	-52	20
First-Line Supervisors of Food Preparation and Serving Workers	104	22	62	84	20
First-Line Supervisors of Retail Sales Workers	65	-33	79	46	20
Insurance Sales Agents	49	0	29	29	20
Water and Wastewater Treatment Plant and System Operators	29	-1	11	10	20
Inspectors, Testers, Sorters, Samplers, and Weighers	29	-9	19	10	19
Driver/Sales Workers	37	0	18	18	19
Landscaping and Groundskeeping Workers	82	-1	63	62	19
Cement Masons and Concrete Finishers	42	7	17	24	19
First-Line Supervisors of Construction Trades and Extraction Workers	48	-21	51	30	18
Cabinetmakers and Bench Carpenters	19	-3	4	1	17
Insulation Workers, Floor, Ceiling, and Wall	18	-1	3	2	16
Welders, Cutters, Solderers, and Brazers	49	-13	46	33	16
Recreation Workers	31	5	10	15	16
Fitness Trainers and Aerobics Instructors	30	4	10	14	16
First-Line Supervisors of Police and Detectives	23	-4	12	8	15
Sales Representatives, Services, All Other	44	5	24	29	15
Shipping, Receiving, and Traffic Clerks	20	-11	16	5	15

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Social and Human Service Assistants	23	3	6	9	14
Plumbers, Pipefitters, and Steamfitters	51	9	28	37	14
Helpers--Electricians	30	7	9	16	14
Industrial Machinery Mechanics	46	18	16	34	13
Court, Municipal, and License Clerks	18	-3	8	5	12
Refuse and Recyclable Material Collectors	23	2	9	11	12
Construction Laborers	141	41	88	129	12
First-Line Supervisors of Fire Fighting and Prevention Workers	17	-1	8	7	10
Telecommunications Equipment Installers and Repairers, Except Line Installers	11	-6	7	1	10
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	13	-6	8	2	10
Construction and Building Inspectors	17	0	8	8	10
Telecommunications Line Installers and Repairers	13	-2	6	4	9
Coin, Vending, and Amusement Machine Servicers and Repairers	7	-6	4	-2	9
Packers and Packagers, Hand	15	-2	8	6	9
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	36	9	19	28	8
Highway Maintenance Workers	19	-5	16	11	8
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	14	0	5	5	8
Sewing Machine Operators	4	-6	2	-4	8

Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Roustabouts, Oil and Gas	270	295	9%	10.53	10.48	0%	\$16.32
Agricultural and Food Science Technicians	123	110	-10%	9.86	8.37	-15%	\$18.00
Rotary Drill Operators, Oil and Gas	81	89	9%	9.67	9.52	-2%	\$23.68
Gaming Managers	19	22	17%	8.24	9.25	12%	\$24.06
Geological and Petroleum Technicians	59	60	1%	7.67	7.00	-9%	\$25.99
Life, Physical, and Social Science Technicians, All Other	264	236	-10%	7.15	5.93	-17%	\$20.16
Service Unit Operators, Oil, Gas, and Mining	145	158	9%	6.96	7.11	2%	\$21.21

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Mining							
Derrick Operators, Oil and Gas	38	43	14%	6.90	6.97	1%	\$20.40
Wellhead Pumpers	40	41	2%	6.55	5.99	-9%	\$24.22
Pump Operators, Except Wellhead Pumpers	36	41	13%	5.43	5.79	7%	\$20.72
Gaming Surveillance Officers and Gaming Investigators	29	31	5%	5.15	5.43	5%	\$12.40
Explosives Workers, Ordnance Handling Experts, and Blasters	16	19	14%	4.96	5.49	11%	\$19.09
Rock Splitters, Quarry	9	8	-11%	4.78	4.00	-16%	\$16.51
Petroleum Pump System Operators, Refinery Operators, and Gaugers	91	99	9%	4.30	4.50	5%	\$35.52
Pile-Driver Operators	8	9	6%	4.24	4.06	-4%	\$18.44
Gas Compressor and Gas Pumping Station Operators	8	11	36%	4.04	5.52	37%	\$32.78
Rolling Machine Setters, Operators, and Tenders, Metal and	57	54	-6%	3.92	3.98	2%	\$15.87

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Plastic							
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23	21	-11%	3.72	3.76	1%	\$18.69
Refractory Materials Repairers, Except Brickmasons	3	3	-3%	3.71	3.57	-4%	\$20.25
Embalmers	7	7	1%	3.70	3.92	6%	\$19.05
Manufactured Building and Mobile Home Installers	6	5	-21%	3.58	3.58	0%	\$15.45
Gaming Change Persons and Booth Cashiers	42	49	15%	3.50	4.02	15%	\$11.11
Helpers--Extraction Workers	31	36	16%	3.43	3.54	3%	\$15.88
Tool Grinders, Filers, and Sharpeners	18	16	-9%	3.32	3.37	1%	\$19.63
Conveyor Operators and Tenders	49	50	2%	3.19	3.17	-1%	\$15.57
Gas Plant Operators	27	33	22%	3.17	3.85	21%	\$28.61
First-Line Supervisors of Fire Fighting and Prevention Workers	92	109	18%	3.15	3.52	12%	\$27.04
Helpers--Pipelayers,	91	104	14%	3.14	3.21	2%	\$13.48

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Plumbers, Pipefitters, and Steamfitters							
Community Health Workers	92	102	11%	3.11	3.04	-2%	\$12.14
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	30	29	-4%	3.01	3.04	1%	\$17.49
Animal Control Workers	20	24	20%	2.93	3.32	13%	\$14.93
New Accounts Clerks	61	55	-10%	2.89	2.77	-4%	\$15.20
Boilermakers	25	26	3%	2.88	2.75	-5%	\$20.73
Maintenance Workers, Machinery	135	147	8%	2.81	2.80	0%	\$18.45
Earth Drillers, Except Oil and Gas	29	35	20%	2.80	3.02	8%	\$15.95
Aircraft Mechanics and Service Technicians	184	185	0%	2.71	2.64	-3%	\$28.75
Cooks, Fast Food	725	694	-4%	2.71	2.82	4%	\$8.57
First-Line Supervisors of Police and Detectives	139	162	17%	2.70	3.01	12%	\$30.38
Excavating and Loading Machine and Dragline Operators	75	77	3%	2.69	2.68	0%	\$17.76
Extraction Workers, All Other	6	7	20%	2.68	2.89	8%	\$20.43

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Helpers--Electricians	102	132	29%	2.64	2.98	13%	\$14.35
Dietetic Technicians	46	49	7%	2.63	2.53	-4%	\$10.84
Welders, Cutters, Solderers, and Brazers	544	593	9%	2.62	2.72	4%	\$19.11
Funeral Service Managers	12	13	3%	2.60	2.55	-2%	\$30.30
Highway Maintenance Workers	190	209	10%	2.55	2.69	5%	\$16.68
Paving, Surfacing, and Tamping Equipment Operators	65	70	7%	2.46	2.41	-2%	\$16.03
Electro-Mechanical Technicians	18	20	11%	2.45	2.67	9%	\$20.01
Metal-Refining Furnace Operators and Tenders	21	17	-20%	2.41	1.96	-19%	\$13.46
Gaming Supervisors	29	35	22%	2.39	2.85	19%	\$15.32
Structural Iron and Steel Workers	89	88	-1%	2.39	2.27	-5%	\$21.63

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