



October 2017

**Western Technology Center
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40009	Beckham County, OK
40039	Custer County, OK
40075	Kiowa County, OK
40129	Roger Mills County, OK
40149	Washita 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

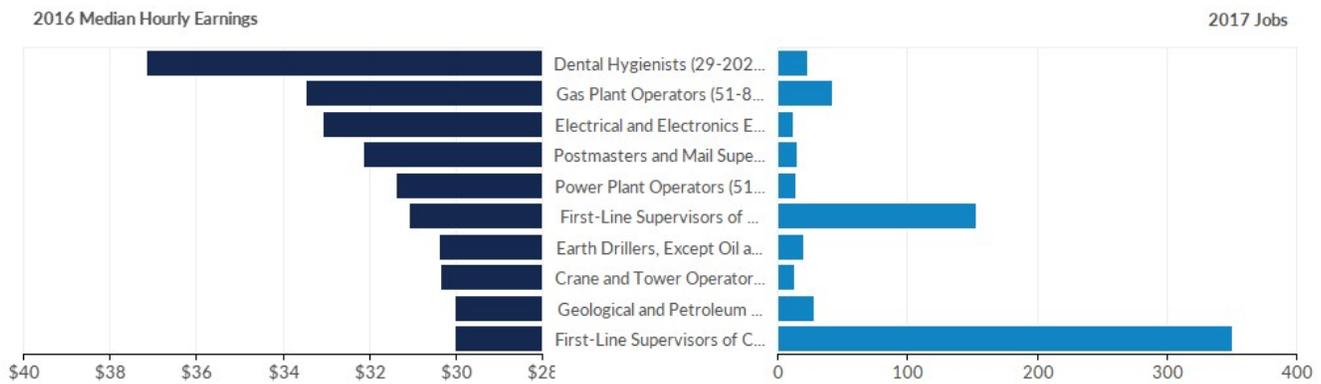


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Cashiers	1,162	1,131	-31	-3%	\$9.28
Heavy and Tractor-Trailer Truck Drivers	1,001	1,102	102	10%	\$20.48
Retail Salespersons	813	933	120	15%	\$10.66
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	697	723	26	4%	\$13.11
Office Clerks, General	599	635	36	6%	\$12.71
Combined Food Preparation and Serving Workers, Including Fast Food	568	491	-78	-14%	\$9.21
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	439	450	11	3%	\$9.64
Bookkeeping, Accounting, and Auditing Clerks	434	426	-8	-2%	\$15.20
Waiters and Waitresses	371	332	-39	-11%	\$8.48
Maids and Housekeeping Cleaners	368	375	6	2%	\$8.43
First-Line Supervisors of Retail Sales Workers	367	389	23	6%	\$15.57
Nursing Assistants	356	377	21	6%	\$10.09
First-Line Supervisors of Construction Trades and Extraction Workers	350	383	32	9%	\$30.01
Stock Clerks and Order Fillers	347	384	37	11%	\$10.61

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Maintenance and Repair Workers, General	328	364	36	11%	\$15.55
Construction Laborers	320	421	100	31%	\$13.93
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	316	396	80	25%	\$20.78
Laborers and Freight, Stock, and Material Movers, Hand	310	375	64	21%	\$13.89
Service Unit Operators, Oil, Gas, and Mining	309	291	-18	-6%	\$17.51
Roustabouts, Oil and Gas	301	291	-11	-4%	\$17.53
Operating Engineers and Other Construction Equipment Operators	289	344	54	19%	\$18.16
Customer Service Representatives	273	316	43	16%	\$13.57
Teacher Assistants	272	283	11	4%	\$8.72
Childcare Workers	271	267	-4	-2%	\$8.00
First-Line Supervisors of Office and Administrative Support Workers	268	302	34	13%	\$19.44
Landscaping and Groundskeeping Workers	245	276	32	13%	\$9.68
Licensed Practical and Licensed Vocational Nurses	243	235	-8	-3%	\$17.31
Correctional Officers and Jailers	242	233	-9	-4%	\$15.46
Personal Care Aides	225	244	19	8%	\$9.00
First-Line Supervisors of Food Preparation and Serving Workers	217	192	-26	-12%	\$11.38
Tellers	217	222	6	3%	\$10.80
Rotary Drill Operators, Oil and Gas	214	210	-4	-2%	\$18.91
Cooks, Institution and Cafeteria	195	190	-5	-2%	\$9.12
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	194	222	28	14%	\$12.67
Cooks, Restaurant	191	186	-5	-3%	\$9.26

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Emergency Medical Technicians and Paramedics	172	203	31	18%	\$9.50
Home Health Aides	171	154	-17	-10%	\$10.87
Automotive Service Technicians and Mechanics	168	171	3	2%	\$12.41
Carpenters	163	166	3	2%	\$14.37
First-Line Supervisors of Production and Operating Workers	163	164	1	1%	\$28.78
Welders, Cutters, Solderers, and Brazers	153	179	26	17%	\$19.53
Farmers, Ranchers, and Other Agricultural Managers	153	141	-12	-8%	\$11.42
First-Line Supervisors of Mechanics, Installers, and Repairers	153	178	25	16%	\$31.08
Receptionists and Information Clerks	149	159	10	7%	\$10.84
Hairdressers, Hairstylists, and Cosmetologists	148	145	-4	-3%	\$11.61
Electrical Power-Line Installers and Repairers	146	227	81	56%	\$25.00
Medical Secretaries	135	143	8	6%	\$12.03
Executive Secretaries and Executive Administrative Assistants	134	129	-5	-3%	\$18.81
Cooks, Fast Food	130	90	-41	-31%	\$9.33
Light Truck or Delivery Services Drivers	130	161	31	24%	\$12.14

Highest Paying Occupations

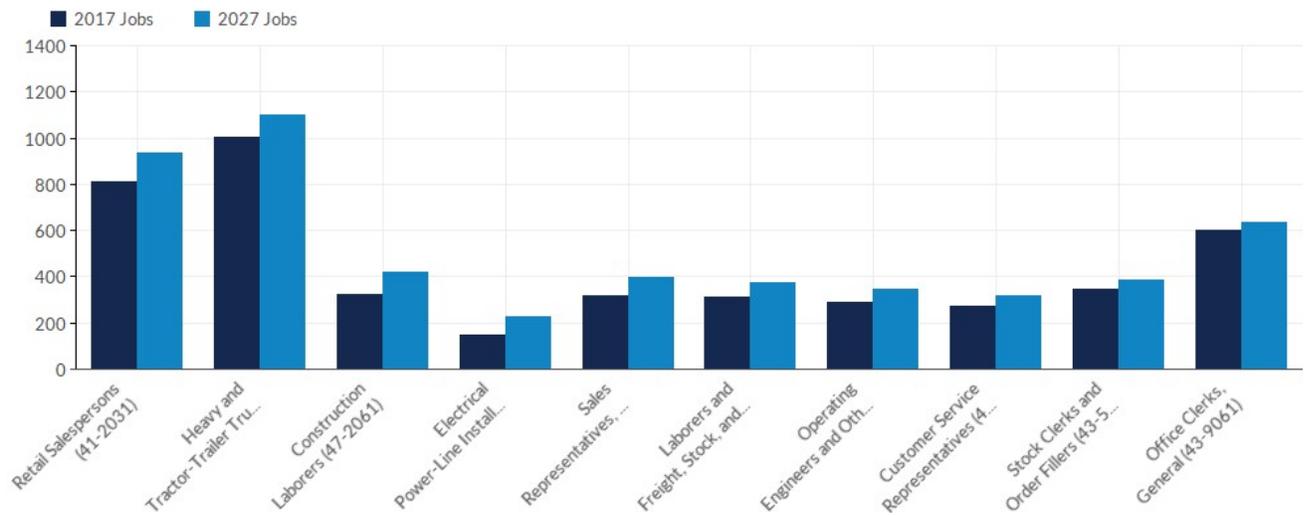


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Dental Hygienists	23	30	7	30%	\$37.17
Gas Plant Operators	42	44	2	5%	\$33.46
Electrical and Electronics Engineering Technicians	12	14	2	17%	\$33.07
Postmasters and Mail Superintendents	15	11	-4	-27%	\$32.14
Power Plant Operators	14	16	2	14%	\$31.39
First-Line Supervisors of Mechanics, Installers, and Repairers	153	178	25	16%	\$31.08
Earth Drillers, Except Oil and Gas	20	23	3	15%	\$30.40
Crane and Tower Operators	13	14	1	8%	\$30.36
Geological and Petroleum Technicians	28	28	0	0%	\$30.02
First-Line Supervisors of Construction Trades and Extraction Workers	350	383	33	9%	\$30.01
Transportation, Storage, and Distribution Managers	24	26	2	8%	\$29.84
Electrical and Electronics Repairers, Commercial and Industrial Equipment	21	22	1	5%	\$29.61
Wellhead Pumpers	22	25	3	14%	\$29.39
First-Line Supervisors of Production and Operating Workers	163	164	1	1%	\$28.78
Sales and Related Workers, All	23	27	4	17%	\$28.41

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Other					
Petroleum Pump System Operators, Refinery Operators, and Gaugers	43	47	4	9%	\$28.17
Mechanical Engineering Technicians	24	23	-1	-4%	\$27.95
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	32	37	5	16%	\$27.84
First-Line Supervisors of Farming, Fishing, and Forestry Workers	11	12	1	9%	\$27.82
Aircraft Mechanics and Service Technicians	50	51	1	2%	\$27.34
Control and Valve Installers and Repairers, Except Mechanical Door	17	20	3	18%	\$26.22
Mechanical Drafters	46	45	-1	-2%	\$26.21
Physical Therapist Assistants	19	22	3	16%	\$25.71
Telecommunications Equipment Installers and Repairers, Except Line Installers	20	23	3	15%	\$25.18
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	89	96	7	8%	\$25.16
Industrial Machinery Mechanics	87	104	17	20%	\$25.06
Electrical Power-Line Installers and Repairers	146	227	81	55%	\$25.00
Chemical Technicians	12	13	1	8%	\$24.69
Production, Planning, and Expediting Clerks	45	50	5	11%	\$24.38
Telecommunications Line Installers and Repairers	38	73	35	92%	\$24.03
Life, Physical, and Social Science Technicians, All Other	13	13	0	0%	\$24.00
Construction and Building Inspectors	10	12	2	20%	\$23.57
Sales Representatives, Services, All Other	95	111	16	17%	\$23.51

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
First-Line Supervisors of Fire Fighting and Prevention Workers	14	14	0	0%	\$23.49
Surveying and Mapping Technicians	23	23	0	0%	\$23.27
First-Line Supervisors of Correctional Officers	32	31	-1	-3%	\$22.79
Respiratory Therapists	15	16	1	7%	\$22.42
Real Estate Brokers	16	18	2	13%	\$22.28
Radiologic Technologists	33	33	0	0%	\$21.98
Detectives and Criminal Investigators	13	13	0	0%	\$21.95
Occupational Therapy Assistants	12	15	3	25%	\$21.67
Maintenance Workers, Machinery	89	89	0	0%	\$21.66
Pump Operators, Except Wellhead Pumpers	30	32	2	7%	\$21.59
Wind Turbine Service Technicians	13	29	16	123%	\$21.57
Derrick Operators, Oil and Gas	66	65	-1	-2%	\$21.29
Claims Adjusters, Examiners, and Investigators	11	12	1	9%	\$21.14
Computer Network Support Specialists	15	17	2	13%	\$21.06
First-Line Supervisors of Police and Detectives	28	29	1	4%	\$21.01
Postal Service Mail Carriers	93	76	-17	-18%	\$20.96
Radio, Cellular, and Tower Equipment Installers and Repairs	14	20	6	43%	\$20.92

Fastest Growing Occupations

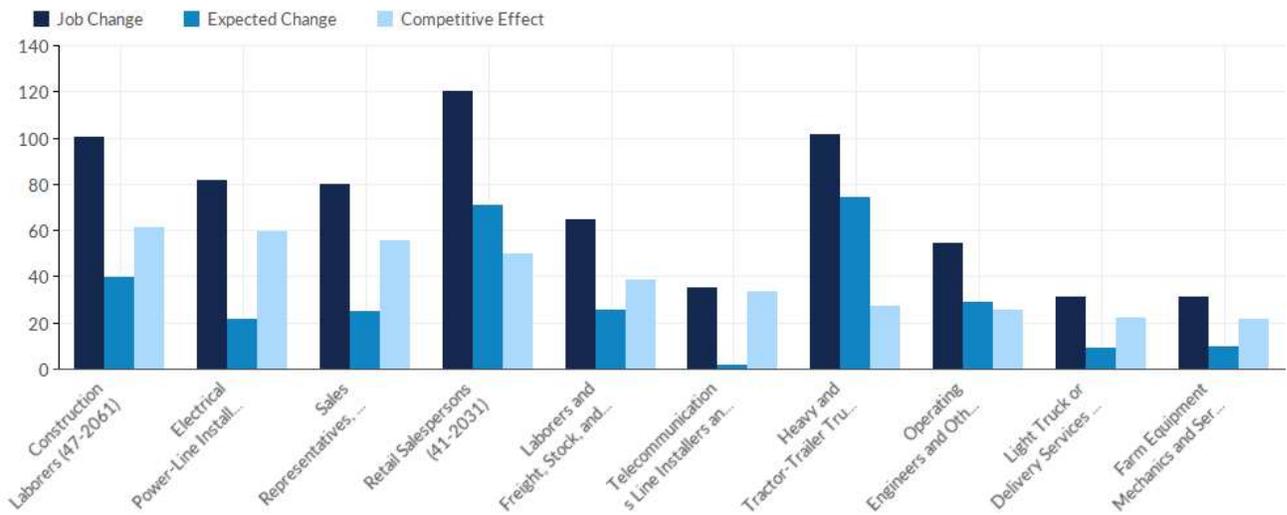


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Laborers and Freight, Stock, and Material Movers, Hand	310	375	64	21%	\$13.89
Operating Engineers and Other Construction Equipment Operators	289	344	54	19%	\$18.16
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Maintenance and Repair Workers, General	328	364	36	11%	\$15.55
Telecommunications Line Installers and Repairers	38	73	35	93%	\$24.03

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First-Line Supervisors of Office and Administrative Support Workers	268	302	34	13%	\$19.44
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Landscaping and Groundskeeping Workers	245	276	32	13%	\$9.68
Farm Equipment Mechanics and Service Technicians	96	127	31	33%	\$18.26
Light Truck or Delivery Services Drivers	130	161	31	24%	\$12.14
Emergency Medical Technicians and Paramedics	172	203	31	18%	\$9.50
Electricians	119	147	28	24%	\$17.97
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	194	222	28	14%	\$12.67
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	697	723	26	4%	\$13.11
Agricultural Equipment Operators	121	148	26	22%	\$11.90
Welders, Cutters, Solderers, and Brazers	153	179	26	17%	\$19.53
First-Line Supervisors of Mechanics, Installers, and Repairers	153	178	25	16%	\$31.08
First-Line Supervisors of Retail Sales Workers	367	389	23	6%	\$15.57
Nursing Assistants	356	377	21	6%	\$10.09
Personal Care Aides	225	244	19	8%	\$9.00
Parts Salespersons	110	127	17	16%	\$16.38
Industrial Machinery Mechanics	87	104	17	19%	\$25.06
Plumbers, Pipefitters, and Steamfitters	117	133	16	14%	\$17.65
Wind Turbine Service Technicians	13	29	16	121%	\$21.57
Sales Representatives, Services, All Other	95	111	16	16%	\$23.51

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Driver/Sales Workers	93	107	14	15%	\$11.76
Dental Assistants	61	74	13	22%	\$13.20
Painters, Construction and Maintenance	93	106	13	14%	\$13.72
Property, Real Estate, and Community Association Managers	49	62	13	26%	\$19.82
Preschool Teachers, Except Special Education	115	127	12	11%	\$15.19
Real Estate Sales Agents	75	88	12	16%	\$17.46
Shipping, Receiving, and Traffic Clerks	55	67	12	21%	\$14.95
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	439	450	11	3%	\$9.64
Packers and Packagers, Hand	58	69	11	19%	\$13.14
Bus and Truck Mechanics and Diesel Engine Specialists	90	101	11	12%	\$18.88
Teacher Assistants	272	283	11	4%	\$8.72
First-Line Supervisors of Non-Retail Sales Workers	48	58	11	22%	\$17.57
Billing and Posting Clerks	79	89	10	12%	\$13.93
Receptionists and Information Clerks	149	159	10	7%	\$10.84
Automotive Body and Related Repairers	69	79	10	14%	\$16.07
Water and Wastewater Treatment Plant and System Operators	91	100	9	10%	\$14.46
Industrial Truck and Tractor Operators	95	104	9	9%	\$16.48
Helpers--Installation, Maintenance, and Repair Workers	52	61	8	16%	\$12.90

Most Competitive Occupations

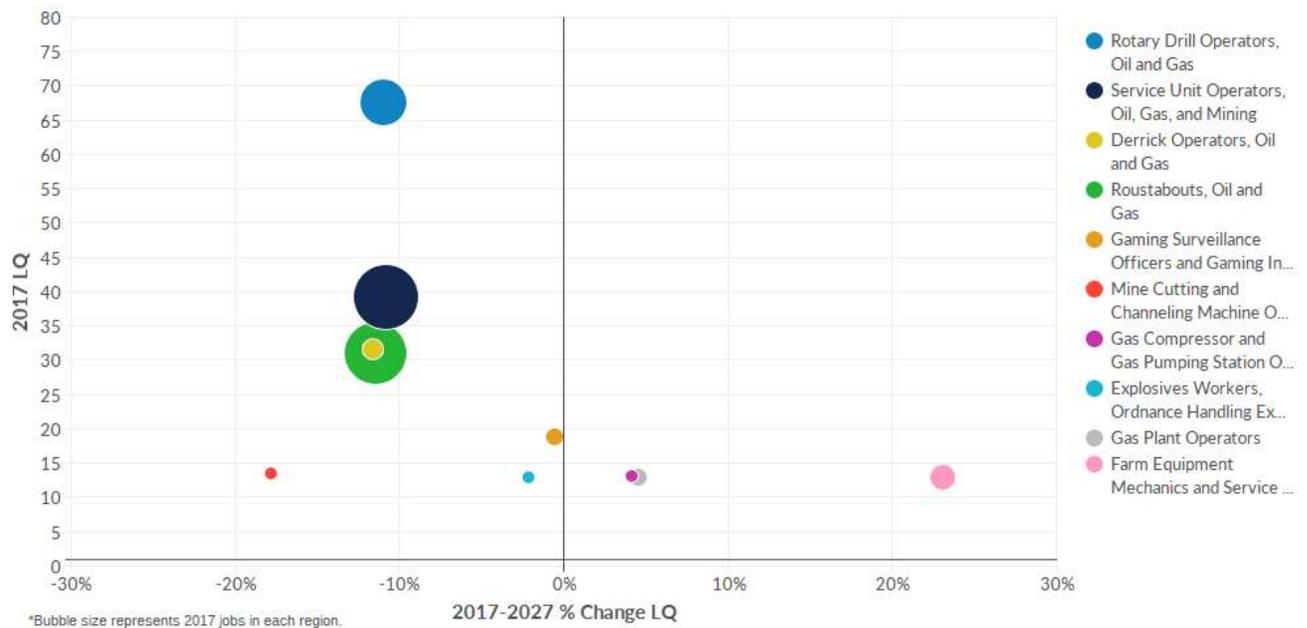


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Construction Laborers	100	12	27	39	61
Electrical Power-Line Installers and Repairers	81	9	12	21	60
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	80	-2	27	25	55
Retail Salespersons	120	2	68	70	50
Laborers and Freight, Stock, and Material Movers, Hand	64	0	26	26	39
Telecommunications Line Installers and Repairers	35	-1	3	2	33
Heavy and Tractor-Trailer Truck Drivers	102	-10	84	74	27
Operating Engineers and Other Construction Equipment Operators	54	4	24	28	26
Light Truck or Delivery Services Drivers	31	-2	11	9	22
Farm Equipment Mechanics and Service Technicians	31	2	8	10	22
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	28	-8	16	8	19
Welders, Cutters, Solderers, and Brazers	26	-4	13	9	17

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
First-Line Supervisors of Construction Trades and Extraction Workers	32	-12	29	17	15
Tellers	6	-27	18	-9	15
Real Estate Sales Agents	12	-8	6	-2	13
First-Line Supervisors of Mechanics, Installers, and Repairers	25	-1	13	12	13
Electricians	28	5	10	15	13
Landscaping and Groundskeeping Workers	32	0	21	21	11
Stock Clerks and Order Fillers	37	-3	29	26	11
Customer Service Representatives	43	9	23	32	11
Painters, Construction and Maintenance	13	-5	8	3	11
Agricultural Equipment Operators	26	6	10	16	10
Shipping, Receiving, and Traffic Clerks	12	-3	5	2	10
Property, Real Estate, and Community Association Managers	13	0	4	4	9
Wind Turbine Service Technicians	16	7	1	8	8
First-Line Supervisors of Non-Retail Sales Workers	11	-1	4	3	8
Parts Salespersons	17	0	9	9	8
Packers and Packagers, Hand	11	-1	5	4	7
Maintenance and Repair Workers, General	36	2	28	30	7
First-Line Supervisors of Office and Administrative Support Workers	34	5	23	28	7
Printing Press Operators	4	-5	3	-2	7
Driver/Sales Workers	14	0	8	8	6
Sales Representatives, Services, All Other	16	2	8	10	6

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Bookkeeping, Accounting, and Auditing Clerks	-8	-50	37	-13	6
First-Line Supervisors of Retail Sales Workers	23	-13	31	18	5
Radio, Cellular, and Tower Equipment Installers and Repairs	6	0	1	1	5
Pipelayers	6	0	1	1	5
Floral Designers	4	-3	2	-1	5
Refuse and Recyclable Material Collectors	6	0	1	1	4
Team Assemblers	7	-3	6	3	4
Installation, Maintenance, and Repair Workers, All Other	6	0	2	2	4
Advertising Sales Agents	4	-3	3	0	4
Structural Metal Fabricators and Fitters	5	0	1	1	4
Meat, Poultry, and Fish Cutters and Trimmers	5	-2	2	0	4
Recreation Workers	8	1	3	4	4
Sewing Machine Operators	2	-2	1	-1	4
Pest Control Workers	4	0	1	1	4
Automotive Body and Related Repairers	10	0	6	6	4
Order Clerks	4	-1	1	0	3
Plumbers, Pipefitters, and Steamfitters	16	3	10	13	3

Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Rotary Drill Operators, Oil and Gas	214	210	-2%	67.53	60.12	-11%	\$18.91
Service Unit Operators, Oil, Gas, and Mining	309	291	-6%	39.19	34.94	-11%	\$17.51
Derrick Operators, Oil and Gas	66	65	-1%	31.55	27.89	-12%	\$21.29
Roustabouts, Oil and Gas	301	291	-4%	31.10	27.53	-11%	\$17.53
Gaming Surveillance Officers and Gaming Investigators	41	40	-2%	18.86	18.76	-1%	\$11.80
Mine Cutting and Channeling Machine Operators	14	12	-17%	13.44	11.04	-18%	\$17.10

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gas Compressor and Gas Pumping Station Operators	10	10	3%	13.20	13.75	4%	\$34.68
Explosives Workers, Ordnance Handling Experts, and Blasters	16	16	0%	13.00	12.73	-2%	\$18.23
Gas Plant Operators	42	44	4%	12.99	13.58	5%	\$33.46
Farm Equipment Mechanics and Service Technicians	96	127	33%	12.95	15.94	23%	\$18.26
Helpers--Extraction Workers	44	45	3%	12.89	11.91	-8%	\$16.35
Pump Operators, Except Wellhead Pumpers	30	32	9%	11.76	12.16	3%	\$21.59
Rock Splitters, Quarry	8	7	-7%	10.96	9.76	-11%	\$15.47
Extraction Workers, All Other	8	8	4%	9.92	9.26	-7%	\$21.10
Geological and Petroleum Technicians	28	28	0%	9.53	8.67	-9%	\$30.02
Wellhead Pumpers	22	25	15%	9.34	9.67	3%	\$29.39
Wind Turbine Service Technicians	13	29	121%	8.93	12.72	43%	\$21.57
Gaming Change	40	35	-11%	8.71	7.81	-10%	\$11.18

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Persons and Booth Cashiers							
Occupational Therapy Aides	13	14	7%	8.65	7.64	-12%	\$10.87
Agricultural Equipment Operators	121	148	22%	7.56	8.29	10%	\$11.90
Gaming Managers	6	6	1%	6.54	6.37	-3%	\$24.64
Electrical Power-Line Installers and Repairers	146	227	56%	6.18	8.56	38%	\$25.00
Conveyor Operators and Tenders	35	37	7%	6.01	6.32	5%	\$17.89
Postmasters and Mail Superintendents	15	11	-25%	5.69	5.38	-6%	\$32.14
Petroleum Pump System Operators, Refinery Operators, and Gaugers	43	47	10%	5.39	5.76	7%	\$28.17
Gaming Cage Workers	20	22	7%	5.28	5.24	-1%	\$11.84
Earth Drillers, Except Oil and Gas	20	23	14%	5.16	5.31	3%	\$30.40
Maintenance Workers, Machinery	89	89	0%	4.91	4.54	-7%	\$21.66
Paving, Surfacing, and Tamping Equipment Operators	49	53	8%	4.87	4.87	0%	\$17.29
Radio, Cellular, and Tower	14	20	45%	4.77	6.38	34%	\$20.92

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Equipment Installers and Repairs							
Manufactured Building and Mobile Home Installers	3	3	-18%	4.64	4.86	5%	\$12.59
Water and Wastewater Treatment Plant and System Operators	91	100	10%	4.06	4.24	4%	\$14.46
Operating Engineers and Other Construction Equipment Operators	289	344	19%	3.99	4.39	10%	\$18.16
Animal Control Workers	10	10	0%	3.98	3.78	-5%	\$9.17
Title Examiners, Abstractors, and Searchers	48	49	2%	3.97	4.12	4%	\$13.74
Electro-Mechanical Technicians	11	11	0%	3.96	3.90	-1%	\$20.69
New Accounts Clerks	31	31	2%	3.91	4.25	9%	\$12.94
First-Line Supervisors of Correctional Officers	32	31	-4%	3.82	3.57	-6%	\$22.79
Pile-Driver Operators	3	3	27%	3.80	4.41	16%	\$19.01
Refractory Materials Repairers, Except Brickmasons	1	1	-4%	3.76	3.63	-4%	\$22.64

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Mechanical Drafters	46	45	-4%	3.69	3.70	0%	\$26.21
Dietetic Technicians	24	24	3%	3.59	3.33	-7%	\$8.57
Emergency Medical Technicians and Paramedics	172	203	18%	3.56	3.53	-1%	\$9.50
Highway Maintenance Workers	97	98	1%	3.45	3.37	-2%	\$13.73
Outdoor Power Equipment and Other Small Engine Mechanics	24	28	16%	3.45	3.79	10%	\$11.64
Molders, Shapers, and Casters, Except Metal and Plastic	27	26	-4%	3.17	3.07	-3%	\$19.29
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	18	16	-15%	3.14	2.73	-13%	\$11.93
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	12	12	5%	3.04	3.12	3%	\$13.71
Food Cooking Machine Operators and Tenders	22	22	2%	3.03	3.01	-1%	\$12.52
Community Health Workers	34	33	-2%	3.00	2.62	-13%	\$16.54

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