

October 2017

**High Plains Technology Center
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40007	Beaver County, OK
40025	Cimarron County, OK
40043	Dewey County, OK
40045	Ellis County, OK
40059	Harper County, OK
40093	Major County, OK
40139	Texas 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

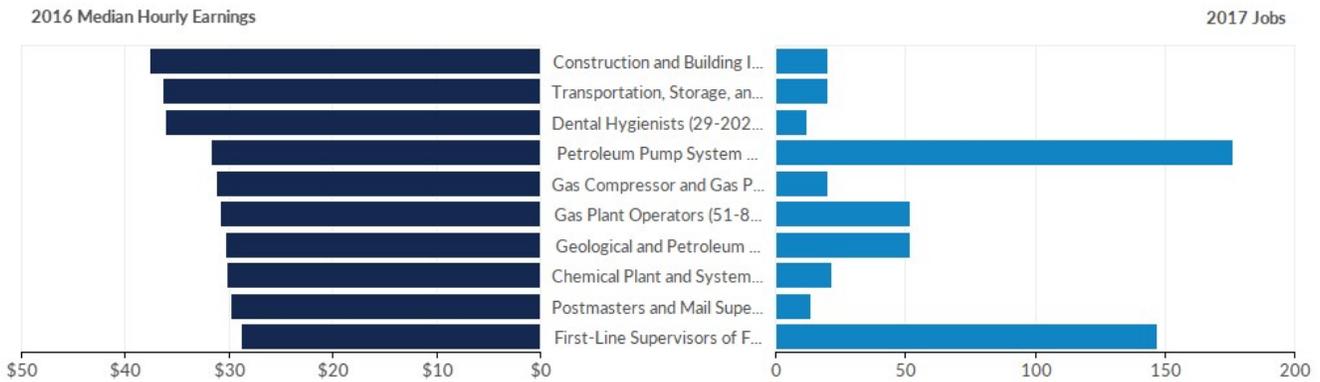


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Farmers, Ranchers, and Other Agricultural Managers	3,583	3,409	-174	-5%	\$11.32
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,810	3,218	408	15%	\$14.26
Cashiers	1,068	1,155	86	8%	\$8.87
Heavy and Tractor-Trailer Truck Drivers	984	1,053	69	7%	\$19.49
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	783	818	35	5%	\$13.03
Retail Salespersons	711	830	119	17%	\$10.25
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	564	680	116	21%	\$10.15
Office Clerks, General	551	599	48	9%	\$11.41
Combined Food Preparation and Serving Workers, Including Fast Food	517	564	46	9%	\$8.80
Bookkeeping, Accounting, and Auditing Clerks	510	506	-5	-1%	\$14.63
Construction Laborers	457	515	58	13%	\$13.52
Roustabouts, Oil and Gas	456	440	-16	-3%	\$17.38
Waiters and Waitresses	453	487	33	7%	\$9.01
First-Line Supervisors of Retail Sales Workers	400	439	39	10%	\$15.66
Maids and Housekeeping	385	406	21	5%	\$8.81

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Cleaners					
Stock Clerks and Order Fillers	376	425	49	13%	\$10.19
Laborers and Freight, Stock, and Material Movers, Hand	357	412	55	15%	\$11.55
Farmworkers, Farm, Ranch, and Aquacultural Animals	352	401	49	14%	\$12.44
Service Unit Operators, Oil, Gas, and Mining	334	335	1	0%	\$24.29
Nursing Assistants	331	350	18	5%	\$11.30
First-Line Supervisors of Construction Trades and Extraction Workers	327	363	36	11%	\$25.94
Teacher Assistants	325	349	24	7%	\$8.85
Maintenance and Repair Workers, General	308	351	43	14%	\$15.21
First-Line Supervisors of Office and Administrative Support Workers	305	340	34	11%	\$20.11
Agricultural Equipment Operators	303	383	80	26%	\$15.81
Cooks, Restaurant	275	318	43	16%	\$9.48
Light Truck or Delivery Services Drivers	266	287	21	8%	\$13.81
Landscaping and Groundskeeping Workers	255	289	34	13%	\$8.68
Automotive Service Technicians and Mechanics	241	250	9	4%	\$13.28
Childcare Workers	222	192	-30	-14%	\$7.64
Cooks, Institution and Cafeteria	218	218	0	0%	\$8.76
First-Line Supervisors of Food Preparation and Serving Workers	206	222	16	8%	\$12.30
Tellers	205	187	-18	-9%	\$11.91
Customer Service Representatives	202	239	37	18%	\$12.70
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	202	220	19	9%	\$10.24

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Police and Sheriff's Patrol Officers	193	207	14	7%	\$18.29
Licensed Practical and Licensed Vocational Nurses	185	183	-2	-1%	\$17.84
Petroleum Pump System Operators, Refinery Operators, and Gaugers	176	203	27	15%	\$31.72
Operating Engineers and Other Construction Equipment Operators	173	180	7	4%	\$18.83
Personal Care Aides	170	193	23	14%	\$9.14
Welders, Cutters, Solderers, and Brazers	166	178	12	7%	\$17.44
Industrial Machinery Mechanics	164	213	49	30%	\$21.28
Carpenters	161	186	25	16%	\$14.33
Hairdressers, Hairstylists, and Cosmetologists	153	155	2	1%	\$11.64
Cooks, Fast Food	148	127	-21	-14%	\$8.80
First-Line Supervisors of Farming, Fishing, and Forestry Workers	147	157	10	7%	\$28.83
Highway Maintenance Workers	146	151	6	4%	\$15.83
Correctional Officers and Jailers	145	163	18	12%	\$15.36
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	144	182	38	27%	\$25.41
Executive Secretaries and Executive Administrative Assistants	142	146	4	3%	\$18.37

Highest Paying Occupations

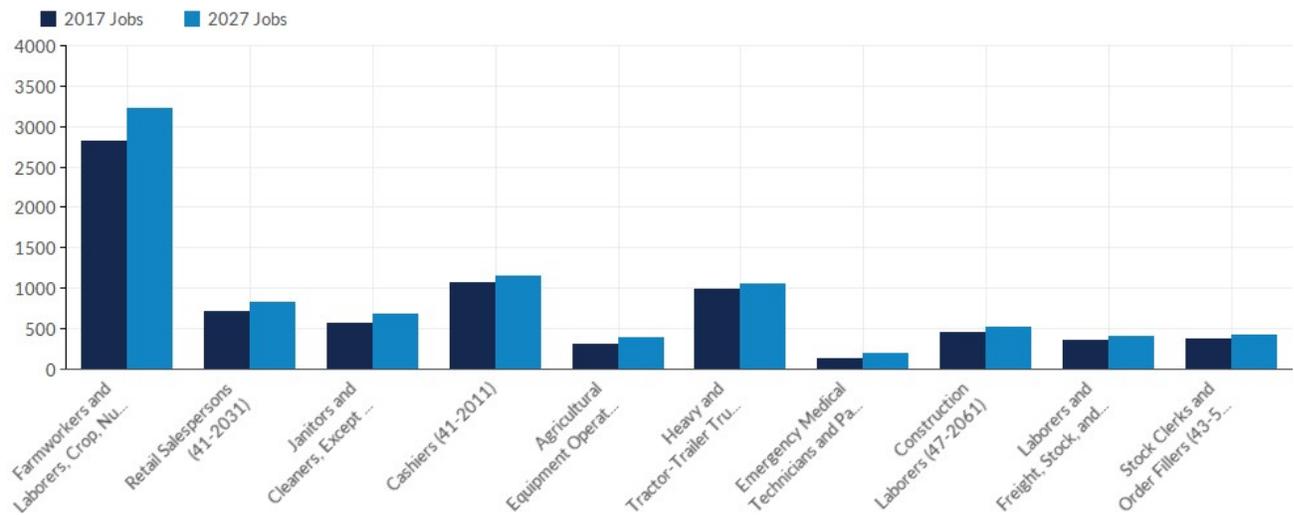


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Construction and Building Inspectors	20	23	3	15%	\$37.69
Transportation, Storage, and Distribution Managers	20	24	4	20%	\$36.42
Dental Hygienists	12	15	3	25%	\$36.12
Petroleum Pump System Operators, Refinery Operators, and Gaugers	176	203	27	15%	\$31.72
Gas Compressor and Gas Pumping Station Operators	20	25	5	25%	\$31.23
Gas Plant Operators	52	65	13	25%	\$30.87
Geological and Petroleum Technicians	52	59	7	13%	\$30.39
Chemical Plant and System Operators	22	24	2	9%	\$30.28
Postmasters and Mail Superintendents	14	10	-4	-29%	\$29.85
First-Line Supervisors of Farming, Fishing, and Forestry Workers	147	157	10	7%	\$28.83
Crane and Tower Operators	19	18	-1	-5%	\$28.78
Power Plant Operators	13	11	-2	-15%	\$28.77
Aircraft Mechanics and Service Technicians	106	106	0	0%	\$28.72
First-Line Supervisors of Mechanics, Installers, and Repairers	134	147	13	10%	\$28.23

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Computer Network Support Specialists	24	26	2	8%	\$28.10
Physical Therapist Assistants	12	15	3	25%	\$27.23
Telecommunications Line Installers and Repairers	26	30	4	15%	\$26.89
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	82	89	7	9%	\$26.79
Control and Valve Installers and Repairers, Except Mechanical Door	25	29	4	16%	\$26.60
First-Line Supervisors of Production and Operating Workers	134	151	17	13%	\$26.25
Electrical Power-Line Installers and Repairers	78	81	3	4%	\$26.03
First-Line Supervisors of Construction Trades and Extraction Workers	327	363	36	11%	\$25.94
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	144	182	38	26%	\$25.41
Riggers	20	21	1	5%	\$25.12
Tax Preparers	32	35	3	9%	\$25.11
Rotary Drill Operators, Oil and Gas	113	118	5	4%	\$24.78
Railroad Conductors and Yardmasters	12	12	0	0%	\$24.62
First-Line Supervisors of Police and Detectives	24	26	2	8%	\$24.61
Service Unit Operators, Oil, Gas, and Mining	334	335	1	0%	\$24.29
Wellhead Pumpers	58	74	16	28%	\$23.74
Chemical Equipment Operators and Tenders	126	142	16	13%	\$23.53
Locomotive Engineers	13	13	0	0%	\$23.37
Respiratory Therapists	17	18	1	6%	\$23.29
Claims Adjusters, Examiners, and Investigators	23	24	1	4%	\$23.04

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Detectives and Criminal Investigators	11	12	1	9%	\$22.84
Mobile Heavy Equipment Mechanics, Except Engines	62	68	6	10%	\$22.54
Production, Planning, and Expediting Clerks	41	49	8	20%	\$22.47
First-Line Supervisors of Fire Fighting and Prevention Workers	23	24	1	4%	\$22.31
Agricultural Workers, All Other	51	57	6	12%	\$22.28
Telecommunications Equipment Installers and Repairers, Except Line Installers	58	67	9	16%	\$22.15
Title Examiners, Abstractors, and Searchers	42	47	5	12%	\$21.88
Radiologic Technologists	31	30	-1	-3%	\$21.86
Excavating and Loading Machine and Dragline Operators	29	27	-2	-7%	\$21.83
Real Estate Brokers	14	16	2	14%	\$21.62
Electrical and Electronics Engineering Technicians	26	28	2	8%	\$21.59
Industrial Machinery Mechanics	164	213	49	30%	\$21.28
Animal Breeders	11	13	2	18%	\$20.97
Engineering Technicians, Except Drafters, All Other	37	40	3	8%	\$20.89
Derrick Operators, Oil and Gas	61	64	3	5%	\$20.70
Explosives Workers, Ordnance Handling Experts, and Blasters	20	19	-1	-5%	\$20.60

Fastest Growing Occupations

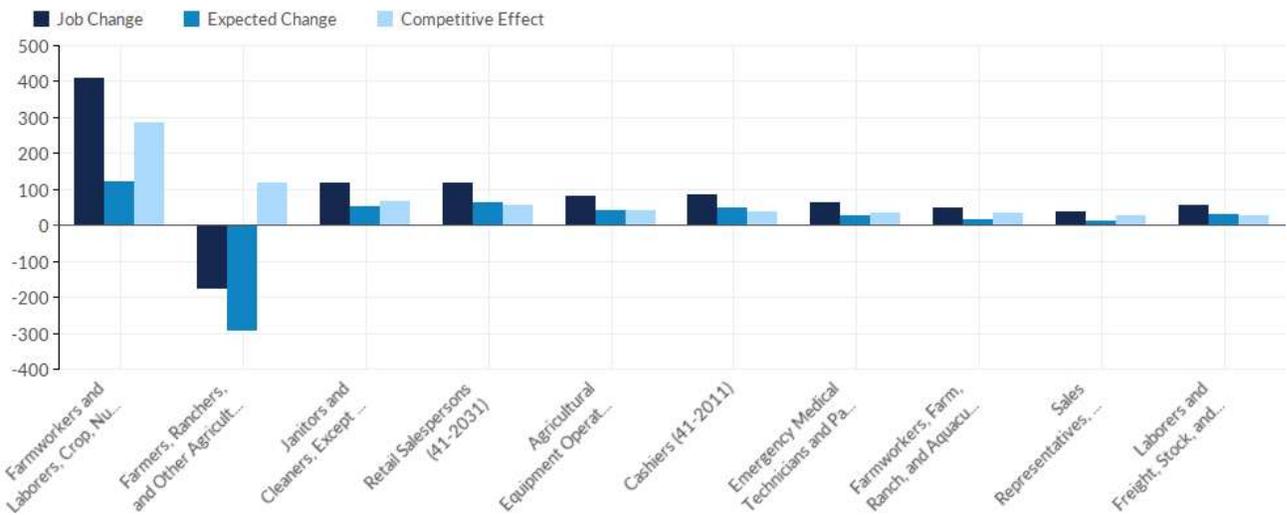


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,810	3,218	408	15%	\$14.26
Retail Salespersons	711	830	119	17%	\$10.25
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	564	680	116	21%	\$10.15
Cashiers	1,068	1,155	86	8%	\$8.87
Agricultural Equipment Operators	303	383	80	26%	\$15.81
Heavy and Tractor-Trailer Truck Drivers	984	1,053	69	7%	\$19.49
Emergency Medical Technicians and Paramedics	124	186	62	50%	\$17.76
Construction Laborers	457	515	58	13%	\$13.52
Laborers and Freight, Stock, and Material Movers, Hand	357	412	55	15%	\$11.55
Stock Clerks and Order Fillers	376	425	49	13%	\$10.19
Farmworkers, Farm, Ranch, and Aquacultural Animals	352	401	49	14%	\$12.44
Industrial Machinery Mechanics	164	213	49	30%	\$21.28
Office Clerks, General	551	599	48	9%	\$11.41
Combined Food Preparation and Serving Workers, Including	517	564	46	9%	\$8.80

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Fast Food					
Cooks, Restaurant	275	318	43	16%	\$9.48
Maintenance and Repair Workers, General	308	351	43	14%	\$15.21
First-Line Supervisors of Retail Sales Workers	400	439	39	10%	\$15.66
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	144	182	38	27%	\$25.41
Customer Service Representatives	202	239	37	18%	\$12.70
First-Line Supervisors of Construction Trades and Extraction Workers	327	363	36	11%	\$25.94
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	783	818	35	5%	\$13.03
Electricians	122	156	35	28%	\$20.16
First-Line Supervisors of Office and Administrative Support Workers	305	340	34	11%	\$20.11
Landscaping and Groundskeeping Workers	255	289	34	13%	\$8.68
Waiters and Waitresses	453	487	33	7%	\$9.01
Plumbers, Pipefitters, and Steamfitters	135	162	27	20%	\$17.91
Petroleum Pump System Operators, Refinery Operators, and Gaugers	176	203	27	15%	\$31.72
Carpenters	161	186	25	16%	\$14.33
Teacher Assistants	325	349	24	7%	\$8.85
Packers and Packagers, Hand	100	123	23	23%	\$8.83
Personal Care Aides	170	193	23	14%	\$9.14
Light Truck or Delivery Services Drivers	266	287	21	8%	\$13.81
Maids and Housekeeping Cleaners	385	406	21	5%	\$8.81

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Packaging and Filling Machine Operators and Tenders	87	107	20	23%	\$11.47
Sales Representatives, Services, All Other	124	143	19	16%	\$16.28
Bartenders	88	107	19	22%	\$8.88
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	202	220	19	9%	\$10.24
Nursing Assistants	331	350	18	5%	\$11.30
Correctional Officers and Jailers	145	163	18	12%	\$15.36
First-Line Supervisors of Production and Operating Workers	134	151	17	13%	\$26.25
Bakers	63	81	17	28%	\$13.76
Nonfarm Animal Caretakers	141	158	17	12%	\$13.41
Wellhead Pumpers	58	74	16	28%	\$23.74
Chemical Equipment Operators and Tenders	126	142	16	13%	\$23.53
First-Line Supervisors of Food Preparation and Serving Workers	206	222	16	8%	\$12.30
Industrial Truck and Tractor Operators	86	101	15	17%	\$14.68
Police and Sheriff's Patrol Officers	193	207	14	7%	\$18.29
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	71	84	13	19%	\$20.35
Gas Plant Operators	52	65	13	25%	\$30.87
Bus and Truck Mechanics and Diesel Engine Specialists	112	125	13	11%	\$20.50

Most Competitive Occupations

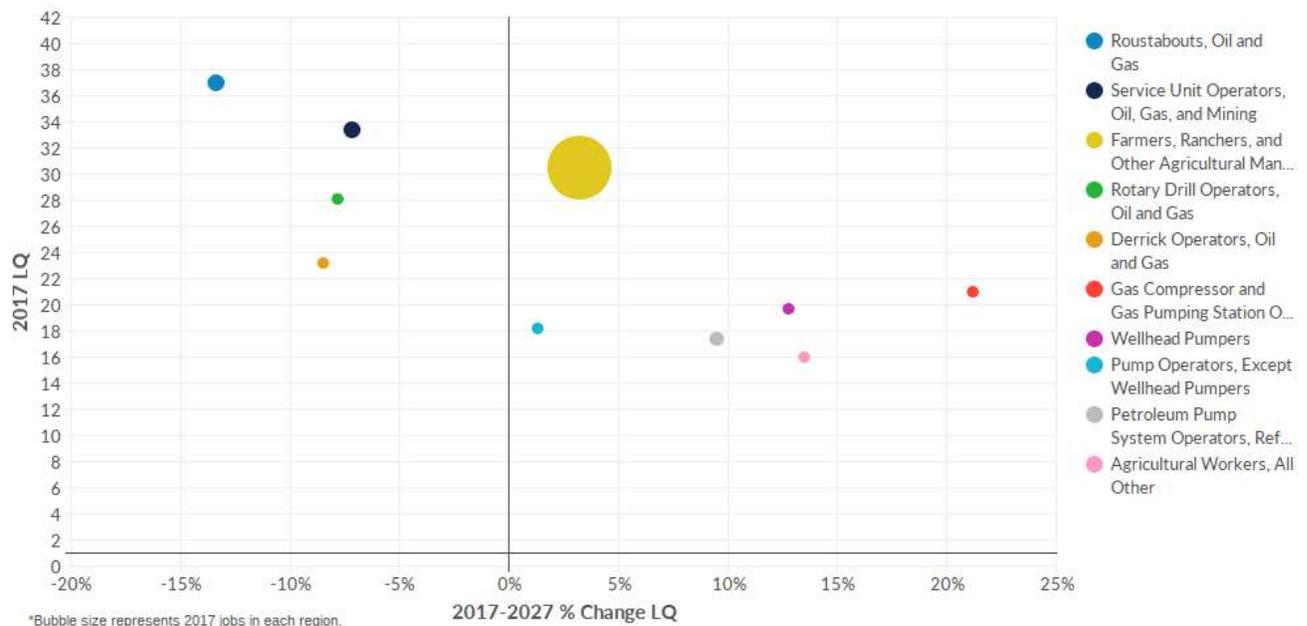


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	408	-115	236	121	287
Farmers, Ranchers, and Other Agricultural Managers	-174	-592	301	-291	117
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	116	3	47	50	66
Retail Salespersons	119	2	60	62	57
Agricultural Equipment Operators	80	15	26	41	39
Cashiers	86	-42	90	48	39
Emergency Medical Technicians and Paramedics	62	16	10	26	35
Farmworkers, Farm, Ranch, and Aquacultural Animals	49	-13	30	17	33
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	38	-1	12	11	27
Laborers and Freight, Stock, and Material Movers, Hand	55	0	30	30	25
Carpenters	25	-10	14	4	21
Stock Clerks and Order Fillers	49	-4	32	28	21
Industrial Machinery Mechanics	49	15	14	29	20

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
First-Line Supervisors of Construction Trades and Extraction Workers	36	-11	28	17	20
First-Line Supervisors of Retail Sales Workers	39	-14	34	20	19
Electricians	35	5	10	15	19
Chemical Equipment Operators and Tenders	16	-14	11	-3	19
Petroleum Pump System Operators, Refinery Operators, and Gaugers	27	-6	15	9	18
Packers and Packagers, Hand	23	-2	8	6	17
First-Line Supervisors of Production and Operating Workers	17	-9	11	2	16
Packaging and Filling Machine Operators and Tenders	20	-3	7	4	15
Maintenance and Repair Workers, General	43	2	26	28	15
Customer Service Representatives	37	6	17	23	14
Landscaping and Groundskeeping Workers	34	0	21	21	13
Real Estate Sales Agents	11	-7	6	-1	13
Gas Plant Operators	13	-4	4	0	12
First-Line Supervisors of Farming, Fishing, and Forestry Workers	10	-15	12	-3	12
Plumbers, Pipefitters, and Steamfitters	27	3	11	14	12
Bookkeeping, Accounting, and Auditing Clerks	-5	-59	43	-16	12
Bakers	17	1	5	6	11
Office Clerks, General	48	-10	46	36	11
Correctional Officers and Jailers	18	-5	12	7	11
Food Batchmakers	11	-1	3	2	9
Shipping, Receiving, and Traffic Clerks	11	-4	6	2	9

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Bartenders	19	3	7	10	9
Industrial Truck and Tractor Operators	15	-1	7	6	9
Wellhead Pumpers	16	3	5	8	9
Inspectors, Testers, Sorters, Samplers, and Weighers	10	-2	3	1	8
Animal Trainers	12	-6	9	3	8
Team Assemblers	10	-2	4	2	8
Telecommunications Equipment Installers and Repairers, Except Line Installers	8	-4	5	1	8
First-Line Supervisors of Non-Retail Sales Workers	11	-2	6	4	7
Agricultural Workers, All Other	6	-5	4	-1	7
Counter and Rental Clerks	10	-1	4	3	7
Sales Representatives, Services, All Other	19	2	10	12	7
Production Workers, All Other	9	-1	3	2	7
Installation, Maintenance, and Repair Workers, All Other	9	0	3	3	6
Helpers--Production Workers	7	-4	5	1	6
Waiters and Waitresses	33	-11	38	27	6
Executive Secretaries and Executive Administrative Assistants	4	-13	12	-1	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	456	440	-3%	36.98	32.04	-13%	\$17.38
Service Unit Operators, Oil, Gas, and Mining	334	335	0%	33.37	30.98	-7%	\$24.29
Farmers, Ranchers, and Other Agricultural Managers	3,583	3,409	-5%	30.48	31.47	3%	\$11.32
Rotary Drill Operators, Oil and Gas	113	118	4%	28.06	25.87	-8%	\$24.78
Derrick Operators, Oil and Gas	61	64	5%	23.21	21.25	-8%	\$20.70
Gas Compressor and Gas Pumping Station Operators	20	25	23%	20.95	25.39	21%	\$31.23

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Wellhead Pumpers	58	74	28%	19.74	22.26	13%	\$23.74
Pump Operators, Except Wellhead Pumpers	58	64	9%	18.21	18.45	1%	\$20.41
Petroleum Pump System Operators, Refinery Operators, and Gaugers	176	203	15%	17.38	19.02	9%	\$31.72
Agricultural Workers, All Other	51	57	11%	15.99	18.14	13%	\$22.28
Farmworkers, Farm, Ranch, and Aquacultural Animals	352	401	14%	15.38	16.70	9%	\$12.44
Agricultural Equipment Operators	303	383	26%	14.90	16.55	11%	\$15.81
Animal Breeders	11	13	15%	14.35	16.07	12%	\$20.97
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,810	3,218	15%	14.34	15.70	9%	\$14.26
Geological and Petroleum Technicians	52	59	13%	14.03	14.03	0%	\$30.39
Animal Trainers	111	123	11%	13.29	14.17	7%	\$11.43
Explosives Workers, Ordnance Handling Experts, and Blasters	20	19	-4%	12.67	11.65	-8%	\$20.60

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gas Plant Operators	52	65	25%	12.66	15.60	23%	\$30.87
First-Line Supervisors of Farming, Fishing, and Forestry Workers	147	157	7%	11.67	12.62	8%	\$28.83
Helpers--Extraction Workers	42	47	13%	9.75	9.64	-1%	\$17.03
Conveyor Operators and Tenders	68	75	10%	9.25	9.78	6%	\$14.30
Extraction Workers, All Other	9	10	9%	9.09	8.71	-4%	\$23.16
Gaming Managers	9	9	-2%	8.32	7.68	-8%	\$21.43
Agricultural and Food Science Technicians	43	49	14%	7.18	7.63	6%	\$16.51
Chemical Equipment Operators and Tenders	126	142	13%	6.96	8.03	15%	\$23.53
Gaming Surveillance Officers and Gaming Investigators	17	16	-7%	6.23	5.75	-8%	\$11.24
Farm Labor Contractors	2	2	22%	5.72	5.82	2%	\$21.03
Earth Drillers, Except Oil and Gas	26	29	8%	5.34	5.09	-5%	\$13.98
Automotive and Watercraft Service Attendants	141	151	7%	5.13	4.87	-5%	\$11.24

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gaming Cage Workers	24	26	7%	5.02	4.89	-2%	\$9.69
Gaming Change Persons and Booth Cashiers	29	29	-2%	5.02	4.86	-3%	\$9.73
Farm Equipment Mechanics and Service Technicians	42	46	9%	4.50	4.46	-1%	\$20.53
Graders and Sorters, Agricultural Products	65	71	9%	4.48	4.83	8%	\$14.44
Boilermakers	18	20	7%	4.41	4.32	-2%	\$17.91
Rock Splitters, Quarry	4	3	-18%	4.29	3.29	-23%	\$15.73
Postmasters and Mail Superintendents	14	10	-26%	4.13	3.76	-9%	\$29.85
Highway Maintenance Workers	146	151	4%	4.08	3.99	-2%	\$15.83
Life, Physical, and Social Science Technicians, All Other	68	68	1%	3.83	3.52	-8%	\$17.87
Riggers	20	21	3%	3.75	3.60	-4%	\$25.12
Outdoor Power Equipment and Other Small Engine Mechanics	32	37	16%	3.62	3.88	7%	\$13.90
Aircraft Mechanics and Service Technicians	106	106	0%	3.25	3.10	-5%	\$28.72

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Pesticide Handlers, Sprayers, and Applicators, Vegetation	25	28	13%	3.01	3.12	4%	\$12.14
New Accounts Clerks	30	27	-9%	2.98	2.85	-4%	\$15.13
Coin, Vending, and Amusement Machine Servicers and Repairers	27	27	2%	2.96	3.16	7%	\$14.31
Manufactured Building and Mobile Home Installers	2	2	-24%	2.86	2.69	-6%	\$14.66
Maintenance Workers, Machinery	65	73	13%	2.79	2.87	3%	\$18.76
Paving, Surfacing, and Tamping Equipment Operators	35	28	-21%	2.76	1.97	-29%	\$16.65
Electro-Mechanical Technicians	10	10	4%	2.74	2.75	0%	\$19.88
Title Examiners, Abstractors, and Searchers	42	47	12%	2.73	3.04	11%	\$21.88
Gaming Supervisors	16	17	6%	2.73	2.79	2%	\$13.30

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