

# **Manufacturing Overview**

Prosperity Eastern Iowa Region

Produced by:

**Northeast Iowa Community College**

July, 2015



# Parameters

## Industries

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Code	Description
31	Manufacturing

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## Regions

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Code	Description
19055	Delaware County, IA
19061	Dubuque County, IA
19097	Jackson County, IA
19105	Jones County, IA

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## Timeframe

2014 - 2024

## Datarun

2015.1 – QCEW Employees, Non-QCEW Employees, and Self-Employed

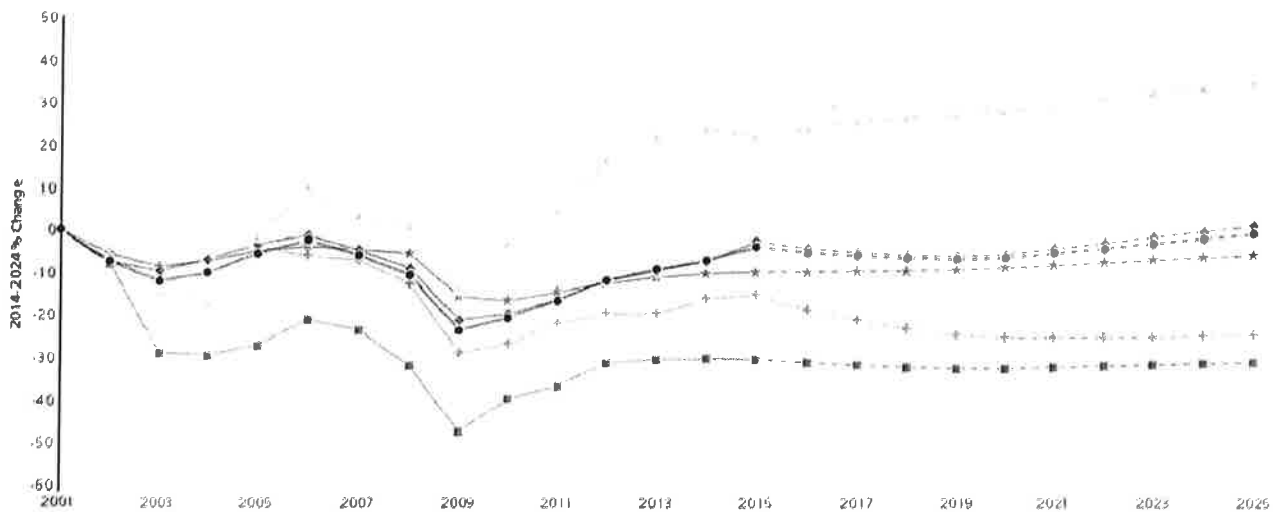
## Industry Summary for Manufacturing

<b>13,024</b> Jobs (2014) 85% above National average	<b>3.2%</b> % Change (2014-2024) Nation: 0.6%	<b>\$67,748</b> Avg. Earnings Per Job (2014) Nation: \$77,358
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## Industry Detail

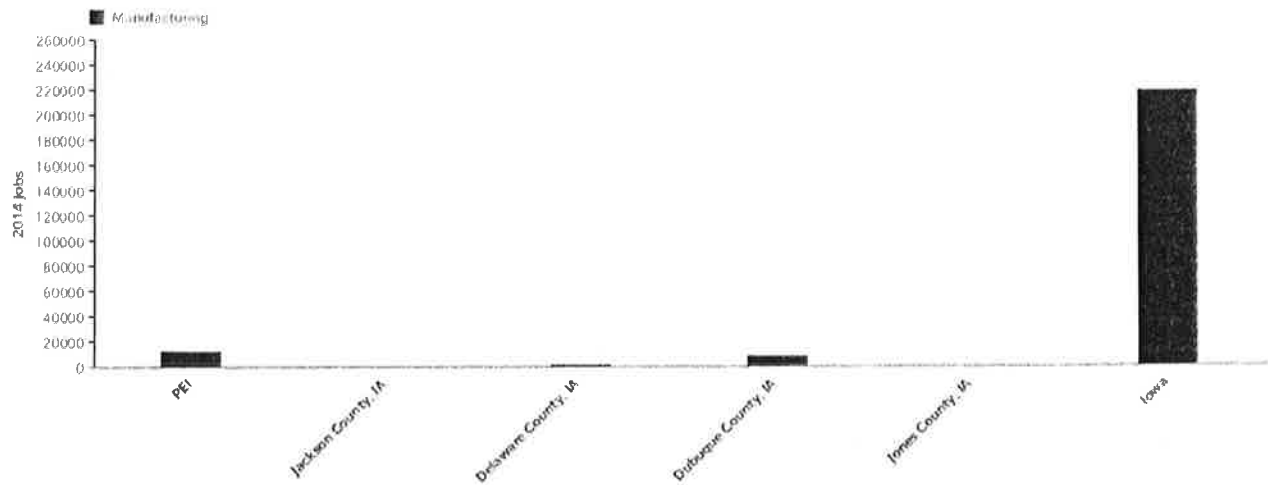
Establishments (2014)	274
Unemployed (2/2015)	578

## Industry Change Summary



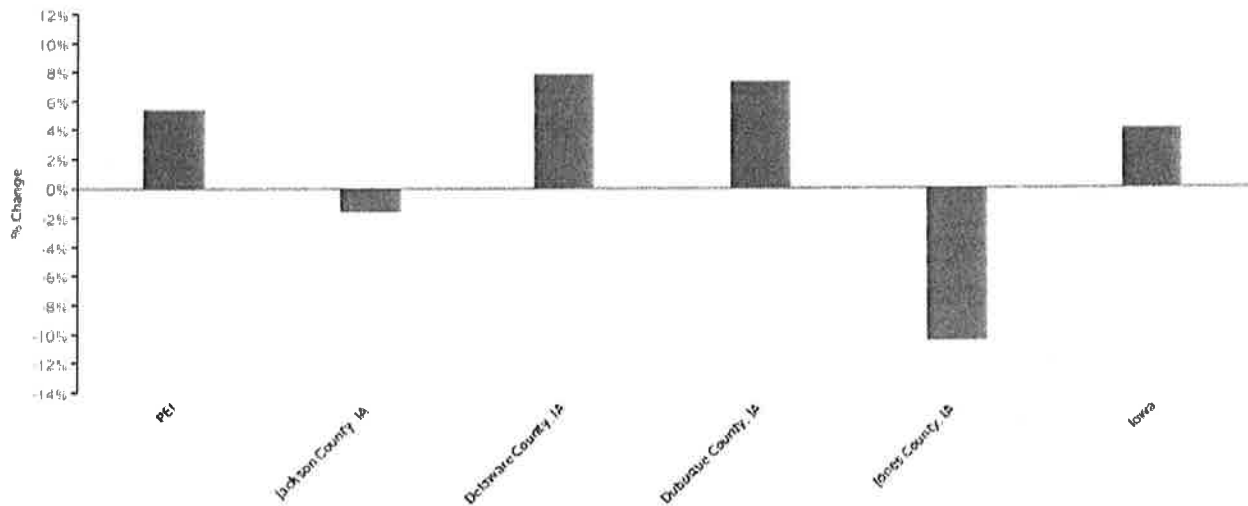
	Region	2014 Jobs	2024 Jobs	Change	% Change	2015 Average Earnings	2015 Establishments
●	PEI	12,772	13,474	702	5%	\$66,873	274
●	Jackson County, IA	902	886	-16	-2%	\$46,713	34
	Delaware County, IA	1,718	1,855	137	8%	\$64,228	37
●	Dubuque County, IA	9,182	9,864	682	7%	\$70,745	179
●	Jones County, IA	971	869	-102	-11%	\$51,969	24
●	Iowa	218,617	227,658	9,041	4%	\$66,372	4,012

## Industry Breakdown - 2014 Jobs



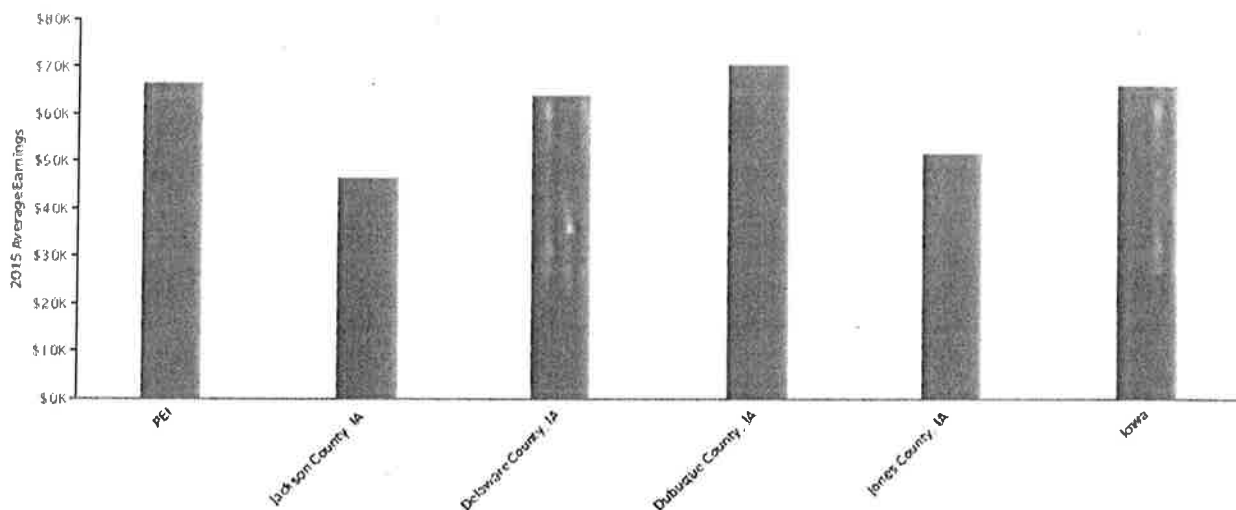
Industry	Description	PEI	Jackson County, IA	Delaware County, IA	Dubuque County, IA	Jones County, IA	Iowa
31	Manufacturing	12,772	902	1,718	9,182	971	218,617
	Total	12,772	902	1,718	9,182	971	218,617

## Industry Breakdown - % Change



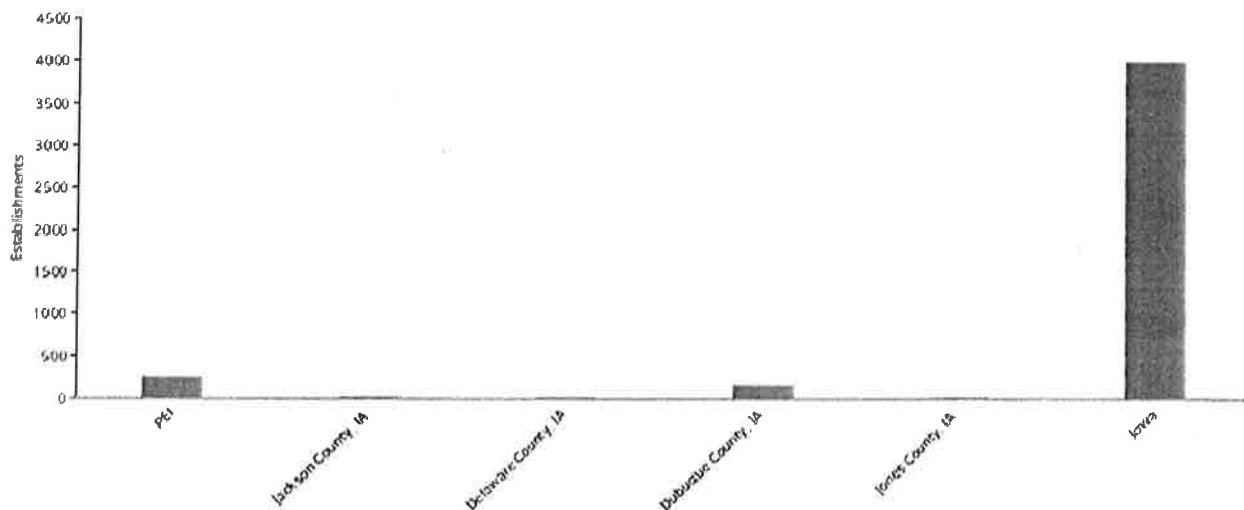
Industry	Description	PEI	Jackson County, IA	Delaware County, IA	Dubuque County, IA	Jones County, IA	Iowa
31	Manufacturing	5%	-2%	8%	7%	-11%	4%
	Total	5%	-2%	8%	7%	-11%	4%

## Industry Breakdown - 2015 Average Earnings



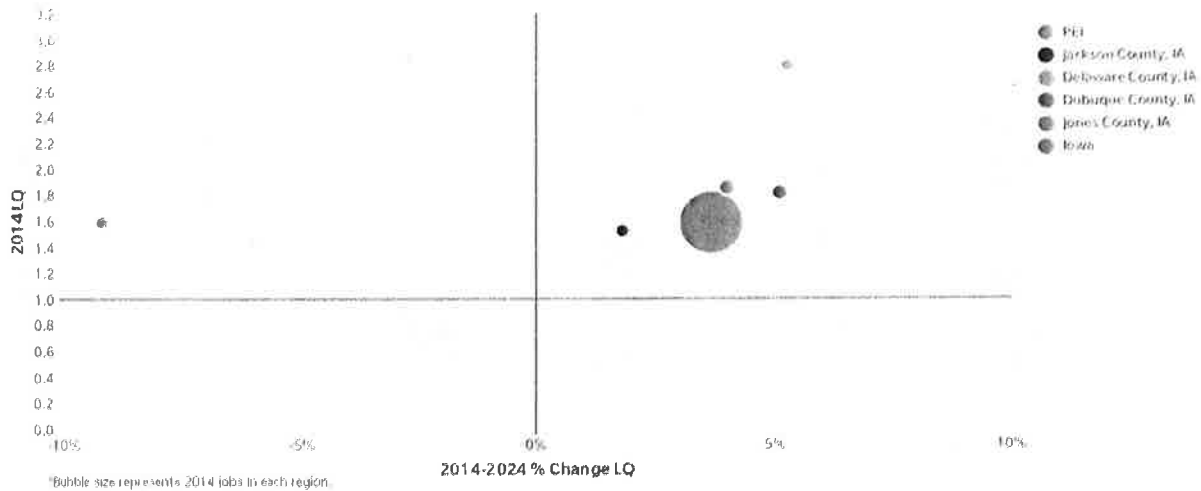
Industry	Description	PEI	Jackson County, IA	Delaware County, IA	Dubuque County, IA	Jones County, IA	Iowa
31	Manufacturing	\$66,873	\$46,713	\$64,228	\$70,745	\$51,969	\$66,372
	Total	\$66,873	\$46,713	\$64,228	\$70,745	\$51,969	\$66,372

## Industry Breakdown - Establishments



Industry	Description	PEI	Jackson County, IA	Delaware County, IA	Dubuque County, IA	Jones County, IA	Iowa
31	Manufacturing	274	34	37	179	24	4,012
	Total	274	34	37	179	24	4,012

## Location Quotient Breakdown - 2014 National LQ



Industry	Description	PEI	Jackson County, IA	Delaware County, IA	Dubuque County, IA	Jones County, IA	Iowa
31	Manufacturing	1.85	1.52	2.81	1.81	1.59	1.5
	Total	1.85	1.52	2.81	1.81	1.59	1.5

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - EMSI 2015.2 Class of Worker

Note: The resulting LQ represents how many times the region is more competitive than the nation (An LQ of 1 would mean the industry is equally competitive in the region as in the nation as a whole).

## Industry Gender Breakdown

Gender	2014 Jobs	2014 Percent
Males	9,949	76.4%
Females	3,075	23.6%

## Industry Age Breakdown

Age	2014 Jobs	2014 Percent
14-18	78	0.6%
19-24	996	7.6%
25-34	2,534	19.5%
35-44	2,734	21.0%
45-54	3,680	28.3%
55-64	2,700	20.7%
65+	301	2.3%

## Industry Race/Ethnicity Breakdown

Race/Ethnicity	2014 Jobs	2014 Percent
White	12,583	96.6%
Hispanic or Latino	185	1.4%
Black or African American	101	0.8%
Asian	100	0.8%
Two or More Races	29	0.2%
Native Hawaiian or Other Pacific Islander	15	0.1%
American Indian or Alaska Native	10	0.1%

## Top Regional Businesses

Business Name	Industry Name	Employees
Flexsteel Industries Inc	Institutional Furniture Manufacturing (337127)	500
Exide Technologies	Primary Battery Manufacturing (335912)	400
Progressive Processing Llc	Animal (except Poultry) Slaughtering (311611)	300
Modernfold	Showcase, Partition, Shelving, and Locker Manufacturing (337215)	250
Rockwell Collins Inc	Aircraft Manufacturing (336411)	240

## Staffing Patterns

SOC	Description	Employed in Industry (2014)	Employed in Industry (2024)	Change (2014 - 2024)	% Change (2014 - 2024)	% of Total Jobs in Industry (2014)	Median Hourly Earnings
51-2092	Team Assemblers	1,571	1,602	31	2%	12.1%	\$16.98
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	769	853	84	11%	5.9%	\$18.28
51-9199	Production Workers, All Other	483	458	(25)	(5%)	3.7%	\$16.52
51-4121	Welders, Cutters, Solderers, and Brazers	460	477	17	4%	3.5%	\$16.72
51-1011	First-Line Supervisors of Production and Operating Workers	436	447	11	3%	3.3%	\$21.99

49-9041	Industrial Machinery Mechanics	368	421	53	14%	2.8%	\$21.68
51-4041	Machinists	334	380	46	14%	2.6%	\$18.19
51-9198	Helpers--Production Workers	317	329	12	4%	2.4%	\$14.03
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	294	320	26	9%	2.3%	\$11.80
51-2022	Electrical and Electronic Equipment Assemblers	279	267	(12)	(4%)	2.1%	\$18.19
53-7064	Packers and Packagers, Hand	233	206	(27)	(12%)	1.8%	\$11.68
53-3032	Heavy and Tractor-Trailer Truck Drivers	225	254	29	13%	1.7%	\$17.31
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	219	230	11	5%	1.7%	\$23.64
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	216	226	10	5%	1.7%	\$17.63
11-1021	General and Operations Managers	199	204	5	3%	1.5%	\$30.78
49-9071	Maintenance and Repair Workers, General	186	194	8	4%	1.4%	\$16.51
51-2099	Assemblers and Fabricators, All Other	175	208	33	19%	1.3%	\$13.12
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	164	139	(25)	(15%)	1.3%	\$16.88
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	161	146	(15)	(9%)	1.2%	\$14.35
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	149	143	(6)	(4%)	1.1%	\$14.49
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	148	131	(17)	(11%)	1.1%	\$15.85
53-7051	Industrial Truck and Tractor Operators	135	144	9	7%	1.0%	\$14.15
43-9061	Office Clerks, General	133	133	0	0%	1.0%	\$13.37
11-3051	Industrial Production Managers	129	131	2	2%	1.0%	\$34.90
43-5061	Production, Planning, and Expediting Clerks	127	121	(6)	(5%)	1.0%	\$15.93
51-4111	Tool and Die Makers	123	117	(6)	(5%)	0.9%	\$23.59
43-3031	Bookkeeping, Accounting, and Auditing Clerks	116	120	4	3%	0.9%	\$14.44
51-5112	Printing Press Operators	115	99	(16)	(14%)	0.9%	\$18.38
47-2111	Electricians	111	118	7	6%	0.9%	\$22.54
17-2112	Industrial Engineers	110	111	1	1%	0.8%	\$31.83
17-2141	Mechanical Engineers	107	107	0	0%	0.8%	\$32.20
51-6031	Sewing Machine Operators	105	79	(26)	(25%)	0.8%	\$11.46
43-5071	Shipping, Receiving, and Traffic Clerks	97	102	5	5%	0.7%	\$13.99
43-4051	Customer Service Representatives	91	89	(2)	(2%)	0.7%	\$13.14
51-9111	Packaging and Filling Machine Operators and Tenders	88	101	13	15%	0.7%	\$13.59
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	88	95	7	8%	0.7%	\$12.72
51-4052	Pourers and Casters, Metal	87	84	(3)	(3%)	0.7%	\$14.19
51-7011	Cabinetmakers and Bench Carpenters	84	55	(29)	(35%)	0.6%	\$14.56
51-2041	Structural Metal Fabricators and Fitters	82	88	6	7%	0.6%	\$16.27
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	82	67	(15)	(18%)	0.6%	\$17.34



47-2031	Carpenters	81	90	9	11%	0.6%	\$18.45
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	78	114	36	46%	0.6%	\$14.31
51-5113	Print Binding and Finishing Workers	72	45	(27)	(38%)	0.6%	\$14.41
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	72	127	55	76%	0.6%	\$12.99
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	70	71	1	1%	0.5%	\$23.24
43-5081	Stock Clerks and Order Fillers	69	62	(7)	(10%)	0.5%	\$10.27
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	67	70	3	4%	0.5%	\$11.12
51-7099	Woodworkers, All Other	66	63	(3)	(5%)	0.5%	\$14.26
13-2011	Accountants and Auditors	65	65	0	0%	0.5%	\$25.71
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	59	59	0	0%	0.5%	\$14.78
47-2211	Sheet Metal Workers	56	58	2	4%	0.4%	\$24.49
17-3013	Mechanical Drafters	50	45	(5)	(10%)	0.4%	\$19.45
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	47	48	1	2%	0.4%	\$16.11
17-3026	Industrial Engineering Technicians	46	46	0	0%	0.4%	\$21.02
51-2023	Electromechanical Equipment Assemblers	45	44	(1)	(2%)	0.3%	\$17.83
51-2031	Engine and Other Machine Assemblers	45	42	(3)	(7%)	0.3%	\$17.46
11-9041	Architectural and Engineering Managers	45	42	(3)	(7%)	0.3%	\$52.37
53-7063	Machine Feeders and Offbearers	44	66	22	50%	0.3%	\$12.09
43-6011	Executive Secretaries and Executive Administrative Assistants	43	37	(6)	(14%)	0.3%	\$16.02
13-1199	Business Operations Specialists, All Other	42	40	(2)	(5%)	0.3%	\$21.88
51-3099	Food Processing Workers, All Other	40	51	11	28%	0.3%	\$14.24
15-1121	Computer Systems Analysts	40	40	0	0%	0.3%	\$33.98
53-3033	Light Truck or Delivery Services Drivers	39	42	3	8%	0.3%	\$13.92
11-3031	Financial Managers	39	39	0	0%	0.3%	\$41.78
51-3092	Food Batchmakers	38	42	4	11%	0.3%	\$13.73
17-2199	Engineers, All Other	37	35	(2)	(5%)	0.3%	\$29.65
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	37	42	5	14%	0.3%	\$18.21
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36	39	3	8%	0.3%	\$25.53
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	36	33	(3)	(8%)	0.3%	\$20.14
51-3011	Bakers	35	27	(8)	(23%)	0.3%	\$11.03
51-9011	Chemical Equipment Operators and Tenders	35	38	3	9%	0.3%	\$20.67
51-9122	Painters, Transportation Equipment	34	40	6	18%	0.3%	\$19.17
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	33	29	(4)	(12%)	0.3%	\$15.67
11-9199	Managers, All Other	32	23	(9)	(28%)	0.2%	\$22.67
13-1051	Cost Estimators	32	36	4	13%	0.2%	\$24.73
17-2071	Electrical Engineers	32	32	0	0%	0.2%	\$30.22
51-4071	Foundry Mold and Coremakers	32	31	(1)	(3%)	0.2%	\$19.09
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	32	34	2	6%	0.2%	\$16.35
51-5111	Prepress Technicians and Workers	32	25	(7)	(22%)	0.2%	\$16.30
49-9043	Maintenance Workers, Machinery	32	38	6	19%	0.2%	\$19.66

51-3023	Slaughterers and Meat Packers	32	65	33	103%	0.2%	\$11.85
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	32	84	52	163%	0.2%	\$11.70
11-2022	Sales Managers	31	31	0	0%	0.2%	\$39.33
49-9044	Millwrights	30	36	6	20%	0.2%	\$21.55
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30	32	2	7%	0.2%	\$20.75
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29	24	(5)	(17%)	0.2%	\$21.07
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28	27	(1)	(4%)	0.2%	\$20.44
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	28	35	7	25%	0.2%	\$23.04
17-3023	Electrical and Electronics Engineering Technicians	27	26	(1)	(4%)	0.2%	\$26.20
43-4151	Order Clerks	27	23	(4)	(15%)	0.2%	\$15.05
13-1071	Human Resources Specialists	27	24	(3)	(11%)	0.2%	\$23.58
15-1142	Network and Computer Systems Administrators	27	24	(3)	(11%)	0.2%	\$30.15
15-1132	Software Developers, Applications	26	25	(1)	(4%)	0.2%	\$34.64
13-1161	Market Research Analysts and Marketing Specialists	26	28	2	8%	0.2%	\$22.02
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25	32	7	28%	0.2%	\$15.07
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	25	25	0	0%	0.2%	\$31.03
27-3042	Technical Writers	24	23	(1)	(4%)	0.2%	\$20.42
11-1011	Chief Executives	24	23	(1)	(4%)	0.2%	\$62.73
43-4171	Receptionists and Information Clerks	24	23	(1)	(4%)	0.2%	\$12.16
41-2031	Retail Salespersons	23	21	(2)	(9%)	0.2%	\$9.74
47-2061	Construction Laborers	22	26	4	18%	0.2%	\$15.02
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22	30	8	36%	0.2%	\$15.20
15-1151	Computer User Support Specialists	21	18	(3)	(14%)	0.2%	\$21.38
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	21	21	0	0%	0.2%	\$18.02
51-9196	Paper Goods Machine Setters, Operators, and Tenders	19	14	(5)	(26%)	0.1%	\$15.75
43-3021	Billing and Posting Clerks	19	19	0	0%	0.1%	\$14.41
51-4199	Metal Workers and Plastic Workers, All Other	19	18	(1)	(5%)	0.1%	\$15.26
13-1081	Logisticians	19	20	1	5%	0.1%	\$24.73
27-1024	Graphic Designers	18	19	1	6%	0.1%	\$16.38
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	18	18	0	0%	0.1%	\$22.86
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	17	16	(1)	(6%)	0.1%	\$13.60
17-2021	Agricultural Engineers	17	16	(1)	(6%)	0.1%	\$32.65
51-4051	Metal-Refining Furnace Operators and Tenders	16	18	2	13%	0.1%	\$19.69

53-7061	Cleaners of Vehicles and Equipment	16	21	5	31%	0.1%	\$9.35
15-1133	Software Developers, Systems Software	16	16	0	0%	0.1%	\$40.51
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	15	15	0	0%	0.1%	\$19.78
11-3021	Computer and Information Systems Managers	15	14	(1)	(7%)	0.1%	\$39.89
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	15	16	1	7%	0.1%	\$19.37
11-3061	Purchasing Managers	14	14	0	0%	0.1%	\$34.72
51-8091	Chemical Plant and System Operators	14	16	2	14%	0.1%	\$21.58
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	14	14	0	0%	0.1%	\$12.57
17-3029	Engineering Technicians, Except Drafters, All Other	14	13	(1)	(7%)	0.1%	\$22.48
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	14	13	(1)	(7%)	0.1%	\$16.35
51-9022	Grinding and Polishing Workers, Hand	13	14	1	8%	0.1%	\$14.00
27-1021	Commercial and Industrial Designers	13	12	(1)	(8%)	0.1%	\$24.43
17-3027	Mechanical Engineering Technicians	13	13	0	0%	0.1%	\$22.09
11-3121	Human Resources Managers	13	12	(1)	(8%)	0.1%	\$37.51
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	12	15	3	25%	0.1%	\$14.98
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	12	13	1	8%	0.1%	\$19.68
41-1012	First-Line Supervisors of Non-Retail Sales Workers	12	13	1	8%	0.1%	\$22.97
11-3011	Administrative Services Managers	12	12	0	0%	0.1%	\$28.43
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	12	13	1	8%	0.1%	\$18.93
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	12	14	2	17%	0.1%	\$22.85
43-3051	Payroll and Timekeeping Clerks	12	12	0	0%	0.1%	\$16.86
49-3041	Farm Equipment Mechanics and Service Technicians	12	11	(1)	(8%)	0.1%	\$17.21
53-3031	Driver/Sales Workers	11	10	(1)	(9%)	0.1%	\$12.72
17-3011	Architectural and Civil Drafters	11	14	3	27%	0.1%	\$19.20
11-2021	Marketing Managers	11	11	0	0%	0.1%	\$35.69
43-3061	Procurement Clerks	11	10	(1)	(9%)	0.1%	\$15.19
15-1131	Computer Programmers	11	<10	(2)	(18%)	0.1%	\$27.87
41-9031	Sales Engineers	10	11	1	10%	0.1%	\$36.42
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	10	11	1	10%	0.1%	\$22.05
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	10	<10	(3)	(30%)	0.1%	\$10.81
51-3021	Butchers and Meat Cutters	10	17	7	70%	0.1%	\$10.37
11-3071	Transportation, Storage, and Distribution Managers	10	<10	(1)	(10%)	0.1%	\$27.83

# Appendix A - Data Sources and Calculations

## Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

## 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.

## Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

## Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Oak Ridge National Labs on the cost of transportation between counties.

## InfoUSA Business-Level Data

Data for individual businesses is provided by InfoUSA (<https://www.infousa.com/product/business-lists/>), which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with EMSI labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

## State Data Sources

This report uses state data from the following agencies: Iowa Workforce Development