

County Profiles: Manufacturing

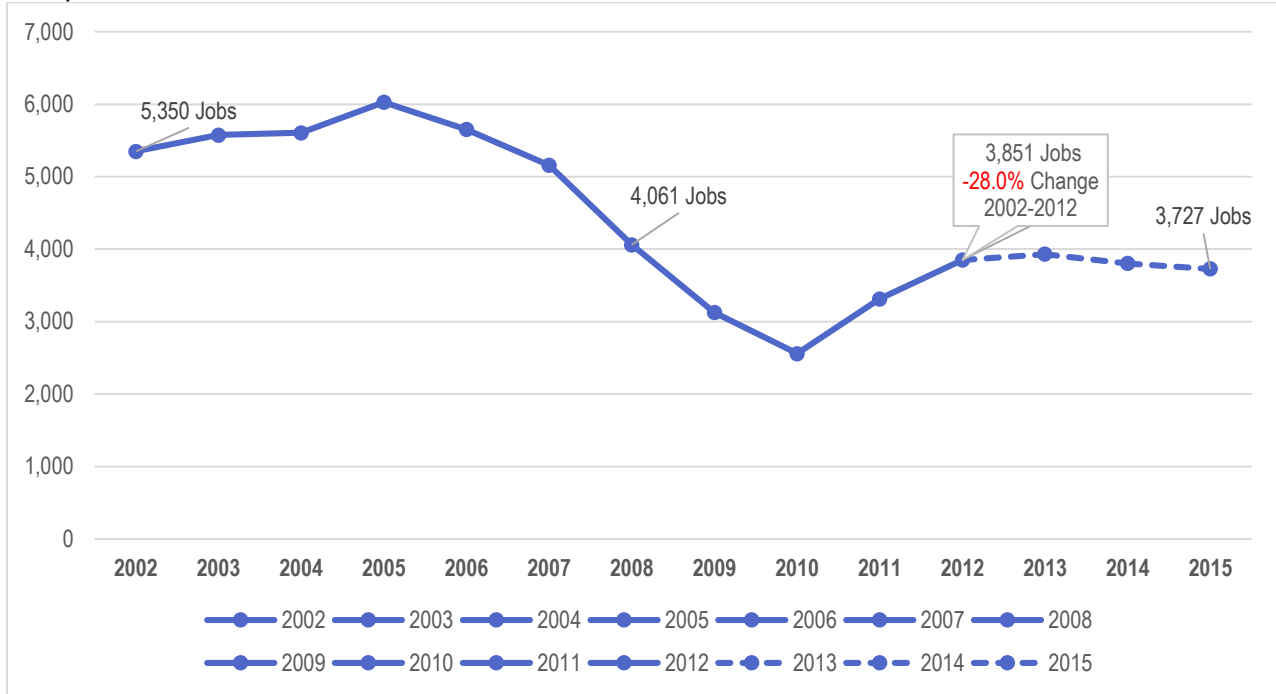


Pulaski County, Virginia

Supplemental Reference Materials
Supporting:
**New River/ Mount Rogers Skills Gap
Analysis**

*Prepared by:
Virginia Tech Office of Economic
Development*

Manufacturing Employment (NAICS 31-33): Pulaski County, VA, 2002-2012 (with projections to 2015)ⁱ



Manufacturing Employment (NAICS 31-33): Pulaski County vs. Neighboring Jurisdictions/Regionsⁱⁱ

	2002 Jobs	2008 Jobs	2012 Jobs	Change 2002-2012 (#)	Change 2002-2012 (%)
Pulaski County	5,350	4,061	3,851	(1,499)	(28.0%)
New River/Mount Rogers WIA 2	34,178	28,241	25,440	(8,738)	(25.6%)
Bluefield WV-VA, MSA	3,232	3,130	2,785	(447)	(13.8%)
Roanoke, VA MSA	19,196	16,719	14,758	(4,438)	(23.1%)
Kingsport-Bristol-Bristol, VA/TN (Minus WIA 2 Jurisdictions)	20,848	17,607	16,416	(4,432)	(21.3%)
Virginia	321,016	264,948	231,033	(89,983)	(28.0%)
United States	15,209,748	13,382,696	11,905,319	3,304,429	(21.7%)

Manufacturing Employment: Pulaski County, VA, by NAICS 3-Digit Industryⁱⁱⁱ*LQ>1 = Above National Average Concentration of Employment*

NAICS Code	Description	2008 Jobs	2009 Jobs	2010 Jobs	2011 Jobs	2012 Jobs	Change 2008-2012	2012 National Location Quotient
336	Transportation Equipment Manufacturing	2,890	2,133	1,502	2,172	2,563	(327)	17.89
333	Machinery Manufacturing	204	193	219	290	321	117	2.99
332	Fabricated Metal Product Manufacturing	292	212	230	257	265	(27)	1.93
327	Nonmetallic Mineral Product Manufacturing	51	45	152	215	229	178	6.39
326	Plastics and Rubber Products Manufacturing	128	125	118	168	196	68	3.11
325	Chemical Manufacturing	133	126	79	56	59	(74)	0.77
335	Electrical Equipment, Appliance, and Component Manufacturing	44	41	46	48	58	14	1.60
313	Textile Mills	157	104	120	38	41	(116)	3.57
334	Computer and Electronic Product Manufacturing	0	0	36	24	31	31	0.29
337	Furniture and Related Product Manufacturing	85	53	27	18	28	(57)	0.81
321	Wood Product Manufacturing	13	12	12	11	27	14	0.81
339	Miscellaneous Manufacturing	24	28	12	<10	15	(9)	0.26
323	Printing and Related Support Activities	15	16	<10	<10	13	(2)	0.28
315	Apparel Manufacturing	11	<10	<10	<10	<10	--	--
331	Primary Metal Manufacturing	0	0	0	0	0	0	0.00
311	Food Manufacturing	15	33	0	0	0	(15)	0.00
Total		4,061	3,126	2,558	3,314	3,851	(210)	3.30

Manufacturing Earnings, by NAICS 3-Digit Industry: Pulaski County, VA^{iv}

NAICS Code	Description	2013 Average Earnings Per Job (Pulaski)	2013 Average Earnings Per Job (New River/Mount Rogers WIA)	2013 Average Earnings Per Job (Bluefield VA-WV, MSA)	2013 Average Earnings Per Jobs (Roanoke, VA MSA)	2013 Average Earnings Per Job (Virginia)	2013 Average Earnings Per Job (United States)
336	Transportation Equipment Manufacturing	\$70,229	\$61,329	\$63,682	\$58,228	\$77,640	\$87,081
333	Machinery Manufacturing	\$44,092	\$56,073	\$65,276	\$59,718	\$72,122	\$79,734
332	Fabricated Metal Product Manufacturing	\$56,825	\$53,921	\$52,087	\$58,658	\$66,359	\$63,732
327	Nonmetallic Mineral Product Manufacturing	\$39,849	\$49,709	\$57,542	\$46,969	\$55,363	\$64,593
326	Plastics and Rubber Products Manufacturing	\$41,577	\$55,090	\$42,231	\$70,090	\$71,492	\$60,497
325	Chemical Manufacturing	\$98,372	\$77,672	\$74,937	\$75,094	\$95,670	\$117,339
335	Electrical Equipment, Appliance, and Component Manufacturing	\$76,235	\$74,867	\$52,755	\$88,496	\$78,739	\$85,017
313	Textile Mills	\$38,382	\$32,244	--	\$48,492	\$40,799	\$48,944
334	Computer and Electronic Product Manufacturing	\$48,836	\$67,258	\$35,733	\$73,586	\$105,679	\$119,790
337	Furniture and Related Product Manufacturing	\$37,140	\$37,127	--	\$42,863	\$43,445	\$49,025
321	Wood Product Manufacturing	\$45,075	\$36,199	\$39,217	\$49,320	\$45,046	\$48,510
339	Miscellaneous Manufacturing	\$48,242	\$46,827	\$47,408	\$69,883	\$71,120	\$82,536
323	Printing and Related Support Activities	\$32,506	\$48,506	\$30,430	\$40,133	\$51,949	\$55,221
315	Apparel Manufacturing	--	\$26,538	--	\$37,600	\$33,649	\$45,352
331	Primary Metal Manufacturing	\$0	\$59,173	\$54,064	\$72,861	\$75,257	\$79,745
311	Food Manufacturing	\$0	\$49,448	--	\$47,088	\$47,473	\$52,522
Total		\$63,087	\$57,733	\$55,088	\$62,227	\$67,722	\$76,664

Manufacturing Age Demographics, by NAICS 3-Digit Industry: Pulaski County, VA*

NAICS Code	Description	Age 14-18	Age 19-21	Age 22-24	Age 25-34	Age 35-44	Age 45-54	Age 55-64	Age 65-99
336	Transportation Equipment Manufacturing	0	16	19	189	770	942	634	37
333	Machinery Manufacturing	0	<10	<10	45	76	75	86	<10
332	Fabricated Metal Product Manufacturing	0	<10	12	39	75	78	53	11
327	Nonmetallic Mineral Product Manufacturing	<10	<10	<10	82	62	61	25	<10
326	Plastics and Rubber Products Manufacturing	0	11	10	39	70	49	24	<10
325	Chemical Manufacturing	0	<10	<10	<10	11	14	19	<10
335	Electrical Equipment, Appliance, and Component Manufacturing	0	<10	<10	13	19	11	<10	<10
313	Textile Mills	0	0	0	<10	13	20	14	<10
334	Computer and Electronic Product Manufacturing	0	0	0	<10	<10	<10	20	0
337	Furniture and Related Product Manufacturing	0	0	0	<10	<10	<10	<10	<10
321	Wood Product Manufacturing	0	0	0	<10	<10	<10	<10	<10
339	Miscellaneous Manufacturing	0	0	0	<10	<10	<10	0	0
323	Printing and Related Support Activities	0	0	0	<10	<10	<10	<10	0
315	Apparel Manufacturing	0	0	0	0	0	0	<10	0
331	Primary Metal Manufacturing	0	0	0	0	0	0	0	0
311	Food Manufacturing	0	0	0	0	0	0	0	0
Total		<10	38	55	448	1,117	1,283	900	87

Staffing Patterns for Manufacturing Employers: Pulaski County, Virginia (SOC: 2-Digit)^{vi}

SOC	Occupation Group	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
51-0000	Production Occupations	2,593	2,397	(196)	62.2%	\$19.52
53-0000	Transportation and Material Moving Occupations	239	281	42	7.4%	\$15.44
49-0000	Installation, Maintenance, and Repair Occupations	244	249	5	6.5%	\$17.16
43-0000	Office and Administrative Support Occupations	253	222	(31)	5.8%	\$12.78
17-0000	Architecture and Engineering Occupations	236	222	(14)	5.7%	\$27.67
13-0000	Business and Financial Operations Occupations	142	141	(1)	3.7%	\$24.73
47-0000	Construction and Extraction Occupations	111	125	14	3.2%	\$17.59
11-0000	Management Occupations	131	114	(17)	3.0%	\$34.04
15-0000	Computer and Mathematical Occupations	35	35	0	0.9%	\$23.98
41-0000	Sales and Related Occupations	39	34	(5)	0.9%	\$11.90
19-0000	Life, Physical, and Social Science Occupations	13	<10	--	0.2%	--
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	<10	<10	--	0.2%	--
37-0000	Building and Grounds Cleaning and Maintenance Occupations	<10	<10	--	0.2%	--
29-0000	Healthcare Practitioners and Technical Occupations	<10	<10	--	0.1%	--
45-0000	Farming, Fishing, and Forestry Occupations	<10	<10	--	0.1%	--
33-0000	Protective Service Occupations	<10	<10	--	0.0%	--
23-0000	Legal Occupations	<10	<10	--	0.0%	--
35-0000	Food Preparation and Serving Related Occupations	<10	0	--	0.0%	--
Total		4,061	3,851	(210)	100.0%	--

Top Ten Production Occupations for Manufacturing: Pulaski County, VA (SOC: 5-Digit)^{vii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
1.	51-2099	Assemblers and Fabricators, All Other	618	677	59	17.3%	\$26.41
2.	51-2092	Team Assemblers	474	419	(55)	10.8%	\$14.18
3.	51-4041	Machinists	229	220	(9)	5.7%	\$16.53
4.	51-9199	Production Workers, All Other	115	122	7	3.1%	\$14.44
5.	51-1011	First-Line Supervisors of Production and Operating Workers	126	113	(13)	2.9%	\$26.01
6.	51-9122	Painters, Transportation Equipment	88	99	11	2.5%	\$26.27
7.	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	100	83	(17)	2.2%	\$14.73
8.	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	78	76	(2)	2.0%	\$24.28
9.	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders (Metal and Plastic)	59	68	9	1.8%	\$11.99
10.	51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders (Metal and Plastic)	50	52	2	1.4%	\$10.40

Top Transportation and Material Moving Occupations for Manufacturing: Pulaski County, VA (SOC: 5-Digit)^{viii}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
1.	53-7051	Industrial Truck and Tractor Operators	101	107	6	2.8%	\$23.98
2.	53-3032	Heavy and Tractor-Trailer Truck Drivers	25	67	42	1.8%	\$15.16
3.	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	57	52	(5)	1.4%	\$9.54
4.	53-7063	Machine Feeders and Offbearers	16	14	(2)	0.4%	\$10.00
5.	53-7064	Packers and Packagers, Hand	18	13	(5)	0.4%	\$8.50
Other Titles (Each with <10 Employees): First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators; Light Truck or Delivery Services Drivers; Motor Vehicle Operators, All Other; First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand; Hoist and Winch Operators; Crane and Tower Operators; Cleaners of Vehicles and Equipment; Conveyor Operators and Tenders; Tank Car, Truck, and Ship Loaders; Gas Compressor and Gas Pumping Station Operators							

Top Installation, Maintenance, and Repair Occupations for Manufacturing: Pulaski County, VA (SOC: 5-Digit)^{ix}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
1.	49-9071	Maintenance and Repair Workers, General	68	63	(5)	1.6%	\$13.91
2.	49-9041	Industrial Machinery Mechanics	55	52	(3)	1.4%	\$18.34
3.	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	26	43	17	1.1%	\$24.14
4.	49-3023	Automotive Service Technicians and Mechanics	25	27	2	0.7%	\$16.10

5.	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	23	23	0	0.6%	\$21.44
6.	49-3021	Automotive Body and Related Repairers	12	12	0	0.3%	\$19.88
Other Titles (Each with <10 Employees): Maintenance Workers, Machinery; Millwrights; Electrical and Electronics Installers and Repairers (Transportation Equipment); Electrical and Electronics Repairers (Commercial and Industrial Equipment); Installation, Maintenance, and Repair Workers (All Other); Mobile Heavy Equipment Mechanics, Except Engines; Helpers-Installation, Maintenance, and Repair Workers; Electronic Equipment Installers and Repairers (Motor Vehicles); Electric Motor, Power Tool, and Related Repairers; Farm Equipment Mechanics and Service Technicians							

Top Office and Administrative Support Occupations for Manufacturing: Pulaski County, VA (SOC: 5-Digit)^x

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
1.	43-5071	Shipping, Receiving, and Traffic Clerks	56	41	(15)	1.1%	\$14.26
2.	43-3031	Bookkeeping, Accounting, and Auditing Clerks	28	29	1	0.8%	\$14.00
3.	43-5061	Production, Planning, and Expediting Clerks	33	29	(4)	0.7%	\$15.14
4.	43-9061	Office Clerks, General	29	26	(3)	0.7%	\$10.16
5.	43-5081	Stock Clerks and Order Fillers	29	24	(5)	0.6%	\$9.88
6.	43-6011	Executive Secretaries and Executive Administrative Assistants	16	16	0	0.4%	\$16.50
7.	43-1011	First-Line Supervisors of Office and Administrative Support Workers	12	11	(1)	0.3%	\$16.74
Other Titles (Each with <10 Employees): Customer Service Representatives; Secretaries and Administrative Assistants; Dispatchers; Receptionists and Information Clerks; Procurement Clerks; Human Resources Assistants; Payroll and Timekeeping Clerks; Office and Administrative Support Workers (Other); Billing and Posting Clerks; Order Clerks. Weighers, Measurers, Checkers, and Samplers, Recordkeeping							

Top Architecture and Engineering Occupations for Manufacturing: Pulaski County, VA (SOC: 5-Digit)^{xi}

	SOC	Description	2008 Jobs	2012 Jobs	Change Jobs 2008-2012 (#)	% of Total Jobs in Pulaski County Manufacturing	Median Hourly Earnings (All Industries)
1.	17-2112	Industrial Engineers	65	57	(8)	1.5%	\$30.68
2.	17-2141	Mechanical Engineers	61	55	(6)	1.4%	\$32.68
3.	17-3027	Mechanical Engineering Technicians	20	18	(2)	0.5%	\$19.70
4.	17-3023	Electrical and Electronics Engineering Technicians	14	17	3	0.4%	\$18.57
5.	17-3026	Industrial Engineering Technicians	19	16	(3)	0.4%	\$19.14
6.	17-2071	Electrical Engineers	13	16	3	0.4%	\$30.37
7.	17-3013	Mechanical Drafters	11	11	0	0.3%	\$20.76
Other Titles (Each with <10 Employees): Engineers (All Other); Nuclear Engineers; Electronics Engineers; Civil Engineers; Engineering Technicians (All Other); Health and Safety Engineers; Environmental Engineers; Electrical and Electronics Drafters; Chemical Engineers; Computer Hardware Engineers; Materials Engineers; Architectural and Civil Drafters; Drafters (All Other)							

References

- ⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ⁱⁱⁱ Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{iv} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^v Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{vii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{viii} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{ix} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^x Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)
- ^{xi} Source: EmsiAnalyst. Version 2013.4 Class of Worker. QCEW Employment only. (QCEW: 2013 Q1)