



Manufacturing Scorecard 2016

On behalf of Catalyst Connection, the Pittsburgh Regional Alliance (PRA) analyzed the manufacturing sector for southwestern Pennsylvania.

Table of Contents

I.	Key Findings	3
II.	Gross Domestic Product	4
III.	Employment.....	6
	Location Quotient	8
IV.	Establishments	9
V.	Wages.....	11
VI.	Exports	13
VII.	Announced Expansions & Downsizings	14

Methodology

To conduct this analysis, the PRA focused on the following data from the following sources:

- Gross Domestic Product: *U.S. Bureau of Economic Analysis, Emsi*
- Employment: *Emsi*
- Establishments: *Emsi*
- Wages: *U.S. Bureau of Labor Statistics*
- Exports: *International Trade Administration*
- Expansions/Downsizings: *PRA Internal Records*

Whenever possible, the data was aggregated to the 10 county southwestern Pennsylvania region which consists of Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Indiana, Lawrence, Washington and Westmoreland counties.

In some cases, data was only available for the Pittsburgh MSA which consists of Allegheny, Armstrong, Beaver, Butler, Fayette, Washington and Westmoreland counties.

While release dates of data often vary depending on the source, in all cases, the most recent available data was used. Comparisons include the most recent year over year change and the change from 2010.

Key Findings

- As measured by regional GDP, manufacturing is the third largest industry in the Pittsburgh MSA. Manufacturing decreased by 1.0% to \$13.7 billion in 2015, though manufacturing in Pennsylvania grew 1.8%. Manufacturing gross output grew 3.3% between 2014 and 2015 overall nationally.
- In 2015, the manufacturing industry accounted for 93,635 jobs in the 10-county Southwestern Pennsylvania region. While this represents a decrease of -1.4% from 2014, manufacturing employment in the region has been stable since 2010, hovering between 94,000 and 96,000.
- The top three industries contributing to total manufacturing employment in 2015 were: Fabricated Metals with 16,623 employees (17.8%), Primary Metals with 12,056 (12.9%), and Machinery with 10,850 (11.6%). Industries experiencing the most growth in the past year include Beverage and Tobacco products (8.5%), Petroleum and Coal Products Manufacturing (8.3%) and Textile Product Mills (1.5%).
- The location quotient or concentration of Primary Metals employment in the 10 county region is nearly four times the national average. Other industries with an above average employment concentration include Machinery Manufacturing; Electrical Equipment; Appliance, and Component Manufacturing; Fabricated Metal Product Manufacturing; Nonmetallic Mineral Product Manufacturing; and Petroleum and Coal Products Manufacturing
- In 2015, southwestern PA reported a total of 2,829 manufacturing establishments. Because manufacturing establishments comprise a greater portion of all establishments in southwestern PA, the concentration of manufacturing establishments in the region is 12% higher than the nation as a whole, though manufacturing employment is 10% lower. This indicates that the manufacturing industry in Southwestern Pennsylvania is driven by smaller establishments.
- The top three industries contributing to total manufacturing establishments in 2015 were: Fabricated Metals with 688 establishments (24.3%), more than twice as many establishments as the next industry, Machinery with 297 (10.5%), and Printing and Related Support Activities with 226 (8.0%).
- During 2015, increases in establishments were recorded by Beverage and Tobacco products (7.7% to 42), Textile Product Mills (5.9% to 54), Transportation Equipment Manufacturing (4.1% to 51), Chemical Manufacturing (0.7% to 136) and Food Manufacturing (0.6% to 181).
- The annual wage of a manufacturing employee in Southwestern Pennsylvania, in 2015, was \$59,683, 14.2% higher than the average wage in the region. The average annual manufacturing wage in the Pittsburgh region was 7.2% lower than the national average (\$64,305).
- In 2015, merchandise export sales in the metropolitan area totaled \$9.1 billion. Primary metals has remained the most exported product, accounting for 18.5% of exports. The Pittsburgh MSA is the 6th largest Primary Metals exporter in the country.
- Manufacturing expansion announcements fell between 2014 and 2015, accounting for 30.6% of total announcements in 2015 compared to 32.7% in 2014. Average jobs continued its downward trend to 24 per establishment. However, downsized jobs outpaced jobs announced in manufacturing.

Gross Domestic Product

Manufacturing remains the 3rd largest regional industry in terms of regional Gross Domestic Product (\$13.7 billion). Though the year-over-year change from 2014 to 2015 decreased by 1%, manufacturing has otherwise consistently grown in the Pittsburgh MSA. Nationally, manufacturing GDP increased between 2014 and 2015 by 3.3% while manufacturing in Pennsylvania grew by 1.8%.

Gross Domestic Product in the Pittsburgh MSA in millions

Industry	2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
Professional and business services	\$17,593	\$18,316*	\$19,039*	\$20,486	\$20,580	\$22,354	27.1%	8.6%
Real estate and rental and leasing	\$15,858	\$16,398	\$16,564	\$15,457	\$16,468	\$17,177	8.3%	4.3%
Manufacturing	\$11,737	\$12,109	\$12,651	\$12,758	\$13,877	\$13,744	17.1%	-1.0%
Health care and social assistance	\$11,185	\$11,591	\$11,889	\$12,264	\$12,489	\$12,869	15.1%	3.0%
Government	\$11,166	\$11,131	\$11,122	\$11,378	\$11,555	\$11,759	5.3%	1.8%
Finance and insurance	\$7,589	\$7,909	\$8,278	\$8,429	\$8,941	\$9,041	19.1%	1.1%
Wholesale trade	\$7,540	\$7,788	\$7,860	\$7,941	\$8,190	\$8,284	9.9%	1.1%
Natural resources and mining	\$3,993	\$4,590*	\$5,786*	\$6,378	\$8,080	\$8,138	103.8%	0.7%
Retail trade	\$6,606	\$6,818	\$6,977	\$7,036	\$6,853	\$7,135	8.0%	4.1%
Construction	\$4,627	\$4,965	\$5,500	\$5,563	\$5,861	\$5,961	28.8%	1.7%
Leisure and Hospitality	\$4,166	\$4,426	\$4,633	\$4,877	\$5,047	\$5,381	29.2%	6.6%
Information	\$4,271	\$4,176	\$4,170	\$4,037	\$4,153	\$4,165	-2.5%	0.3%
Transportation and warehousing	\$3,272	\$3,362	\$3,654	\$3,624	\$3,838	\$3,929	20.1%	2.4%
Educational services	\$2,908	\$2,974	\$3,053	\$3,136*	\$3,276*	\$3,129	7.6%	-4.5%
Other services, except government	\$2,676	\$2,704	\$2,798	\$2,872	\$2,952	\$3,118	16.5%	5.6%
Utilities	\$2,708	\$2,866	\$2,640	\$2,586	\$2,629	\$2,691	-0.6%	2.4%

Source: U.S. Bureau of Economic Analysis

NOTE: Leisure and Hospitality encompasses "Arts, entertainment, recreation, accommodation, and food services".

Due to BEA data revisions, this data series is not directly comparable to previous scorecard reports.

* Data was estimated due to BEA reporting restrictions.

Though the short term, year-over-year performance was lacking, long term growth is positive. Since 2010, regional GDP growth has kept up with national growth and exceeded state level growth. Similarly, GDP per worker, a key indicator of employee productivity, has grown significantly more at the local and state level over the national level.

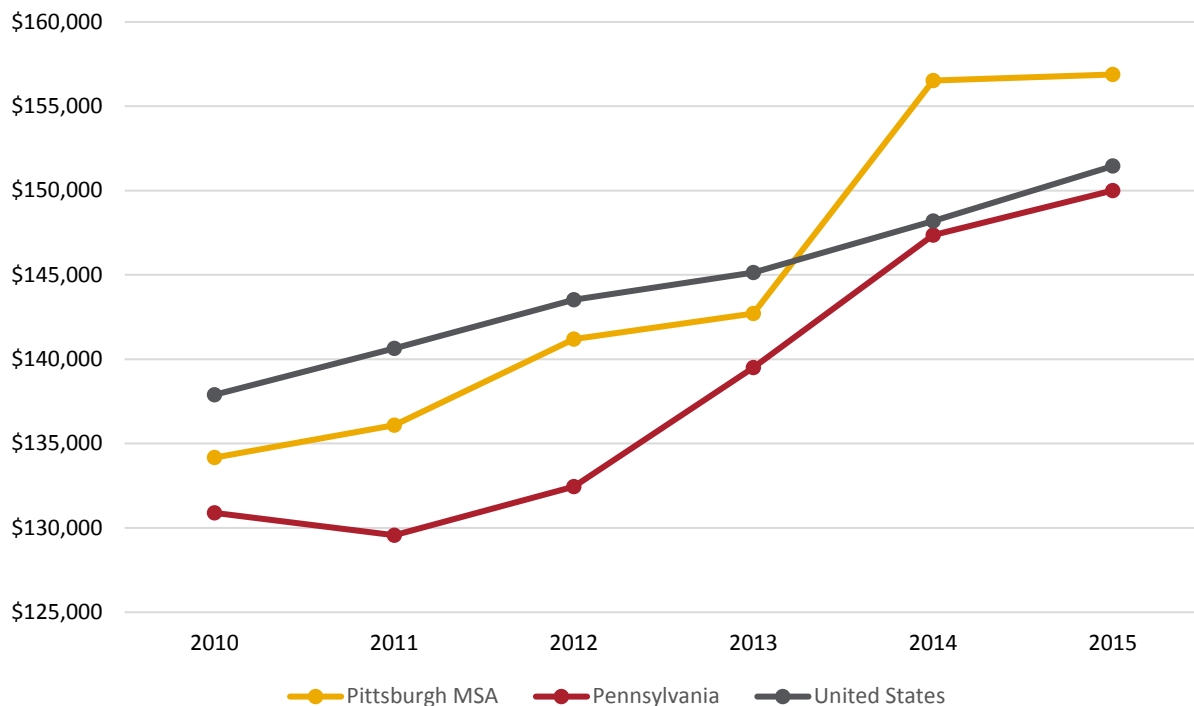
Gross Domestic Product - by MSA, State and Country (in millions)

Manufacturing		2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
GDP	Pittsburgh MSA	\$11,737	\$12,109	\$12,651	\$12,758	\$13,877	\$13,744	17.1%	-1.0%
	Pennsylvania	\$73,357	\$73,170	\$75,087	\$78,617	\$83,583	\$85,125	16.0%	1.8%
	United States	\$1,584,054	\$1,645,855	\$1,708,710	\$1,740,907	\$1,801,628	\$1,861,650	17.5%	3.3%
GDP per Worker	Pittsburgh MSA	\$134,174	\$136,082	\$141,193	\$142,723	\$156,516	\$156,908	16.9%	0.3%
	Pennsylvania	\$130,888	\$129,565	\$132,455	\$139,506	\$147,366	\$150,014	14.6%	1.8%
	United States	\$137,894	\$140,653	\$143,529	\$145,137	\$148,202	\$151,473	9.8%	2.2%

Source: U.S. Bureau of Economic Analysis, Emsi

The rate of growth in GDP per worker in the region supports that local manufacturers are increasing productivity at a rate much greater than the nation. Additionally, the region has consistently outperformed the state in terms of GDP per worker, and exceeded the nation in the past two years.

GDP Per Manufacturing Employee: 2010 to 2015



Source: U.S. Bureau of Economic Analysis, U.S. Bureau of Labor Statistics

Employment

In the 10-county southwestern Pennsylvania region, the number of people employed by the manufacturing industry in 2015 totaled 93,635, a decrease of -1.4% since 2014. Manufacturing employment grew from 2010 to 2012, at which time growth reversed and declined on average 1.5% per year.

According to EMSI, manufacturing in the region has a jobs multiplier of 3.94, meaning each job in manufacturing supports either directly or indirectly an additional 2.9 jobs in the region, approximately one-third of total regional employment, or 375,000 jobs. Manufacturing employees account for 8.1% of the total workforce in the 10 county Pittsburgh region. This ranks the 10 county southwestern Pennsylvania region as the 23rd largest employment base for manufacturing among all metropolitan areas, comparable to its population ranking.

Southwestern Pennsylvania - Top Industries by Employment

Industry	2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
Health Care and Social Assistance	191,266	194,503	196,715	197,200	198,333	198,256	3.7%	0.0%
Retail Trade	135,569	136,958	137,681	135,988	135,156	134,814	-0.6%	-0.3%
Government	137,363	133,193	129,103	128,037	126,171	124,770	-9.2%	-1.1%
Accommodation and Food Services	93,659	95,143	96,901	98,608	99,397	100,565	7.4%	1.2%
Manufacturing	94,012	95,569	96,042	95,583	94,933	93,635	-0.4%	-1.4%
Professional, Scientific, and Technical Services	67,751	69,582	71,556	73,620	75,259	78,327	15.6%	4.1%
Finance and Insurance	56,148	56,377	57,814	58,252	56,793	56,096	-0.1%	-1.2%
Construction	50,542	52,473	54,333	54,463	55,137	55,569	9.9%	0.8%
Administrative and Support and Waste Management and Remediation Services	51,264	54,073	56,038	55,261	53,967	54,776	6.9%	1.5%
Wholesale Trade/Other Services	42,027	42,951	41,990	41,815	41,720	42,116	0.2%	0.9%

Source: Emsi

Several of the largest industries in the Pittsburgh region experienced positive growth in employment in 2015. These include: Accommodation and Food Services; Professional, Scientific, and Technical Services; Construction; Administrative and Support and Waste Management and Remediation Services; and Wholesale Trade/Other Services. Retail Trade, Government, Manufacturing and Finance and Insurance experienced a decrease in employment.

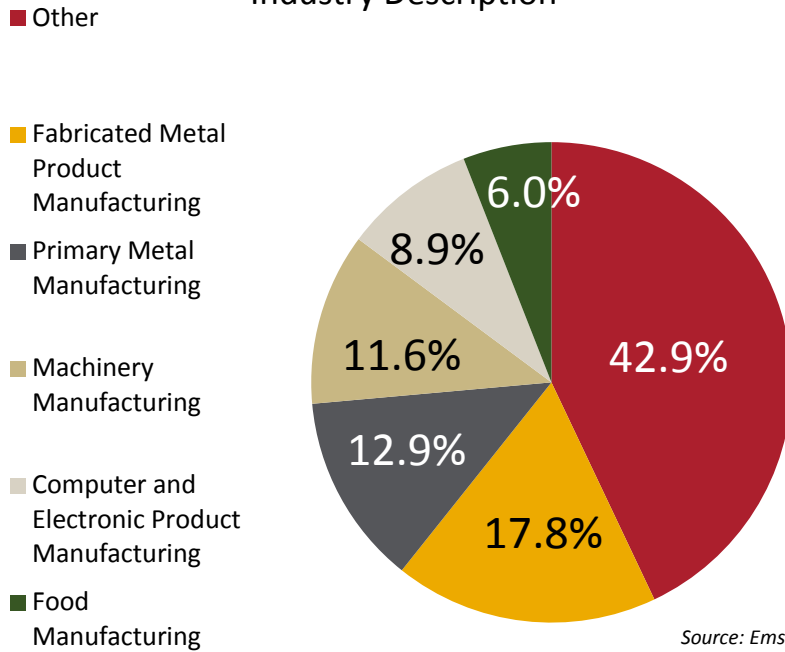
Fabricated Metal Product manufacturing (16,623), Primary Metal manufacturing (12,056), Machinery manufacturing (10,850), Computer and Electronic Product manufacturing (8,313), and Food Manufacturing (5,577) comprise the region's top five manufacturing industries, reflecting Southwestern Pennsylvania's historic strengths. These categories comprise over 57.2% of manufacturing jobs.

Southwestern Pennsylvania - Employment by Manufacturing Industry: 2010 - 2015

Description	2010	2014	2015	2010 - 2015	2014 - 2015
Fabricated Metal Product Manufacturing	15,750	16,871	16,623	3.1%	-1.5%
Primary Metal Manufacturing	12,478	12,861	12,056	-10.6%	-6.3%
Machinery Manufacturing	10,597	11,135	10,850	-6.4%	-2.6%
Computer and Electronic Product Manufacturing	8,374	8,466	8,313	-3.0%	-1.8%
Nonmetallic Mineral Product Manufacturing	5,855	5,572	5,620	-5.2%	0.9%
Food Manufacturing	5,430	5,515	5,577	2.4%	1.1%
Chemical Manufacturing	4,989	5,038	5,168	0.1%	2.6%
Plastics and Rubber Products Manufacturing	5,158	4,984	5,027	-4.4%	0.9%
Electrical Equipment, Appliance, and Component Manufacturing	4,558	4,963	4,887	4.5%	-1.5%
Miscellaneous Manufacturing	4,668	4,453	4,337	-11.0%	-2.6%
Printing and Related Support Activities	4,233	3,752	3,615	-17.6%	-3.7%
Transportation Equipment Manufacturing	3,235	2,748	2,817	-19.7%	2.5%
Petroleum and Coal Products Manufacturing	2,270	2,270	2,323	10.9%	2.3%
Wood Product Manufacturing	1,901	1,905	1,841	-2.9%	-3.4%
Paper Manufacturing	1,758	1,370	1,333	-25.9%	-2.7%
Furniture and Related Product Manufacturing	1,043	908	1,109	7.5%	22.1%
Beverage and Tobacco Product Manufacturing	683	980	951	51.1%	-3.0%
Textile Product Mills	476	553	584	24.6%	5.6%
Textile Mills	331	371	394	13.9%	6.2%
Apparel Manufacturing	220	207	202	-8.2%	-2.4%
Leather and Allied Product Manufacturing	7	11	8	14.3%	-27.3%
Total	94,012	94,933	93,635	-3.8%	-1.4%

Source: Emsi

Manufacturing Jobs by Industry Description



During 2015, the manufacturing industries experiencing the largest decreases included Machinery Manufacturing, Transportation Equipment Manufacturing, Primary Metal Manufacturing, Miscellaneous Manufacturing and Textile Mills. Of the 1,955 jobs lost between 2015 and 2014, these five industries represent 76.3% of jobs lost.

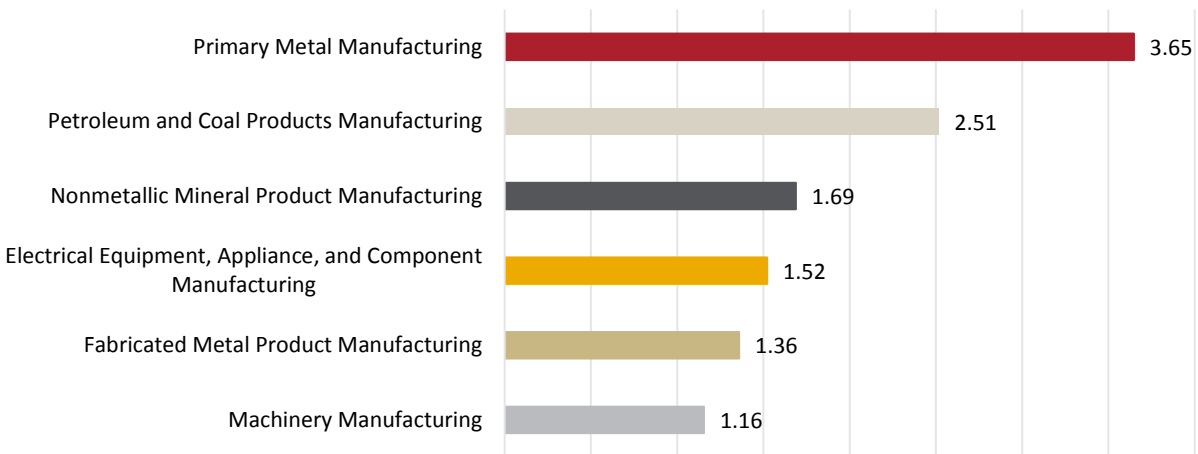
However, several manufacturing industries experienced growth in 2015, largely smaller industries, including Furniture and Related Product Manufacturing, Textile Mills, Textile Product Mills, Chemical Manufacturing, Transportation Equipment Manufacturing and Petroleum and Coal Products Manufacturing

Beverage and Tobacco Products and Textile Product Mills represent the two fastest growing industries since 2010. Beverage and Tobacco Products has grown over 51% since 2012, though it declined 3.0% in the last year. However, Textile Product Mills increased their number of establishments by 5.9% from 2014 to 2015, in addition to the greatest growth in Location Quotient over the past 5 years at 35.0%.

Location Quotient

A Location Quotient (LQ) is a means of measurement to determine the relative concentration of an industry in a region compared to the national average. Industries with LQs above 1.00 employ an above average amount of individuals. Primary Metals remains the most heavily concentrated manufacturing industry in Southwestern Pennsylvania with a location quotient of 3.65, meaning that the concentration of employment is nearly four times the national average. Other leading industries include Petroleum and Coal Products; Nonmetallic Mineral Product; Electrical Equipment, Appliance and Component; and Fabricated Metal.

2015 Location Quotient of Manufacturing Segments Above 1.00



Source: Emsi

Establishments

Southwestern Pennsylvania reported a total of 2,829 manufacturing establishments in 2015, ranking it 10th among the major industry groups in the region. This placed the Pittsburgh region 21st among all metropolitan areas. In fact, the region has a concentration of manufacturing establishments that is 12% higher than the U.S. as a whole, despite the employment concentration being 10% below the national average. This would indicate that Southwestern Pennsylvania's manufacturing industry tends to be driven by smaller employers.

Southwestern Pennsylvania - Top Industries by Establishments: 2010 - 2015

Description	2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
Health Care and Social Assistance	10,945	11,568	11,387	10,314	10,623	10,845	-0.9%	2.1%
Retail Trade	8,599	8,611	8,641	8,439	8,410	8,364	-2.7%	-0.5%
Other Services (except Public Administration)	6,858	6,871	6,956	6,820	6,858	6,888	0.4%	0.4%
Professional, Scientific, and Technical Services	6,333	6,381	6,452	6,383	6,537	6,717	6.1%	2.8%
Construction	5,901	5,887	5,868	5,757	5,822	5,848	-0.9%	0.4%
Accommodation and Food Services	5,585	5,653	5,710	5,679	5,709	5,784	3.6%	1.3%
Finance and Insurance	3,828	3,809	3,807	3,676	3,694	3,707	-3.2%	0.4%
Wholesale Trade	3,798	3,772	3,709	3,544	3,554	3,528	-7.1%	-0.7%
Administrative and Support and Waste Management and Remediation Services	2,933	2,971	3,075	3,040	3,055	3,168	8.0%	3.7%
Manufacturing	2,979	2,947	2,916	2,856	2,865	2,829	-5.0%	-1.3%

Source: Emsi

The five largest industries account for 57% of all manufacturing establishments in the region and include Fabricated Metal Products, Machinery Manufacturing, Printing and Related Support Activities, Miscellaneous Manufacturing and Nonmetallic Mineral Product Manufacturing. With 688 establishments, Fabricated Metal Products is 43% larger than the second-largest manufacturing industry, Machinery Manufacturing.

During 2015, increases in establishments were recorded by Beverage and Tobacco Products, Textile Product Mills, Transportation Equipment Manufacturing, Chemical Manufacturing and Food Manufacturing. Despite declining numbers of establishments over the past five years, manufacturing of Apparel, Wood Product, Paper, Petroleum and Coal Products, Machinery and Furniture and Related Products experienced no decline from 2014 to 2015.

The -5.0% overall drop in manufacturing establishments since 2010 was reflected in drops in all industries except for Beverage and Tobacco Products and Food Manufacturing, which added ten establishments. Beverage and Tobacco Products has grown 55.6%, though its establishments comprise 1.5% of overall manufacturing establishments. Industries recording the smallest decreases since 2010 include Chemical Manufacturing, Fabricated Metal Product Manufacturing and Machinery Manufacturing.

Southwestern Pennsylvania - Establishments by Manufacturing Industry: 2010 - 2015

Manufacturing Industry	2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
Fabricated Metal Product Manufacturing	695	689	691	693	692	688	-1.0%	-0.6%
Machinery Manufacturing	302	299	295	290	297	297	-1.7%	0.0%
Printing and Related Support Activities	258	256	252	243	244	226	-12.4%	-7.4%
Miscellaneous Manufacturing	228	221	219	207	209	202	-11.4%	-3.3%
Nonmetallic Mineral Product Manufacturing	221	218	207	202	202	200	-9.5%	-1.0%
Food Manufacturing	171	170	172	175	180	181	5.8%	0.6%
Computer and Electronic Product Manufacturing	164	164	165	163	163	160	-2.4%	-1.8%
Chemical Manufacturing	137	138	135	132	135	136	-0.7%	0.7%
Primary Metal Manufacturing	129	128	125	125	128	125	-3.1%	-2.3%
Plastics and Rubber Products Manufacturing	119	119	118	117	117	113	-5.0%	-3.4%
Wood Product Manufacturing	121	117	116	104	104	104	-14.0%	0.0%
Furniture and Related Product Manufacturing	101	99	101	91	85	85	-15.8%	0.0%
Electrical Equipment, Appliance, and Component Manufacturing	94	90	88	84	84	82	-12.8%	-2.4%
Textile Product Mills	54	54	48	50	51	54	0.0%	5.9%
Transportation Equipment Manufacturing	54	54	52	52	49	51	-5.6%	4.1%
Beverage and Tobacco Product Manufacturing	27	30	31	34	39	42	55.6%	7.7%
Paper Manufacturing	29	27	24	25	24	24	-17.2%	0.0%
Petroleum and Coal Products Manufacturing	35	35	37	30	23	23	-34.3%	0.0%
Apparel Manufacturing	19	18	19	18	17	17	-10.5%	0.0%
Textile Mills	18	18	18	17	18	16	-11.1%	-11.1%
Leather and Allied Product Manufacturing	3	3	3	4	4	3	0.0%	-25.0%
Total	2,979	2,947	2,916	2,856	2,865	2,829	-5.0%	-1.9%

Source: Emsi

Wages

The annual wage of a manufacturing employee in Southwestern Pennsylvania, in 2015, was \$59,683, 19.0% lower than the regional average wage of \$52,239. Key industries reporting lower annual wages than those seen in the Manufacturing industry in 2015 were: Construction; Trade, Transportation, Utilities; Education and Health Services; Leisure and Hospitality and Other Services. The industry reporting the highest annual wage was Natural Resources and Mining (\$85,786).

Annual Wages in Southwestern Pennsylvania by Key Industry: 2010 - 2015

Industry	2010	2011	2012	2013	2014	2015	2010 - 2015	2014 - 2015
Natural Resources and Mining	\$70,530	\$77,373	\$81,012	\$83,243	\$87,993	\$85,786	21.6%	-2.5%
Construction	\$51,747	\$53,062	\$55,142	\$55,519	\$57,535	\$58,143	12.4%	1.1%
Manufacturing	\$53,322	\$55,666	\$56,654	\$57,268	\$59,105	\$59,683	11.9%	1.0%
Trade, Transportation, and Utilities	\$35,361	\$36,695	\$37,442	\$37,746	\$38,448	\$39,871	12.8%	3.7%
Information	\$62,538	\$64,228	\$66,989	\$68,473	\$72,067	\$73,502	17.5%	2.0%
Financial Activities	\$61,192	\$63,938	\$66,115	\$67,759	\$72,378	\$75,166	22.8%	3.9%
Professional and Business Services	\$65,153	\$67,419	\$71,497	\$72,822	\$73,524	\$78,542	20.6%	6.8%
Education and Health Services	\$43,527	\$44,482	\$45,599	\$46,656	\$47,582	\$49,343	13.4%	3.7%
Leisure and Hospitality	\$17,811	\$18,658	\$18,925	\$19,211	\$19,954	\$20,980	17.8%	5.1%
Other Services	\$26,382	\$27,306	\$27,903	\$28,509	\$29,237	\$30,626	16.1%	4.7%
Regional Average	\$44,699	\$46,418	\$48,148	\$49,018	\$50,323	\$52,239	16.9%	3.8%

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages

While the average annual manufacturing wage in the Pittsburgh region was lower than the national average (\$64,305), the region is on pace with the nation in terms of annual growth from 2010. Wages have grown 11.9% in the Southwestern Pennsylvania region and 11.8% nationwide.

Manufacturing wages increased 1.0% in 2015, recording the smallest year-over-year growth. Professional and Business Services reported the largest one year growth rate (6.8%). Only one industry declined in growth; Natural Resources and Mining declined by 2.5%.

Exports

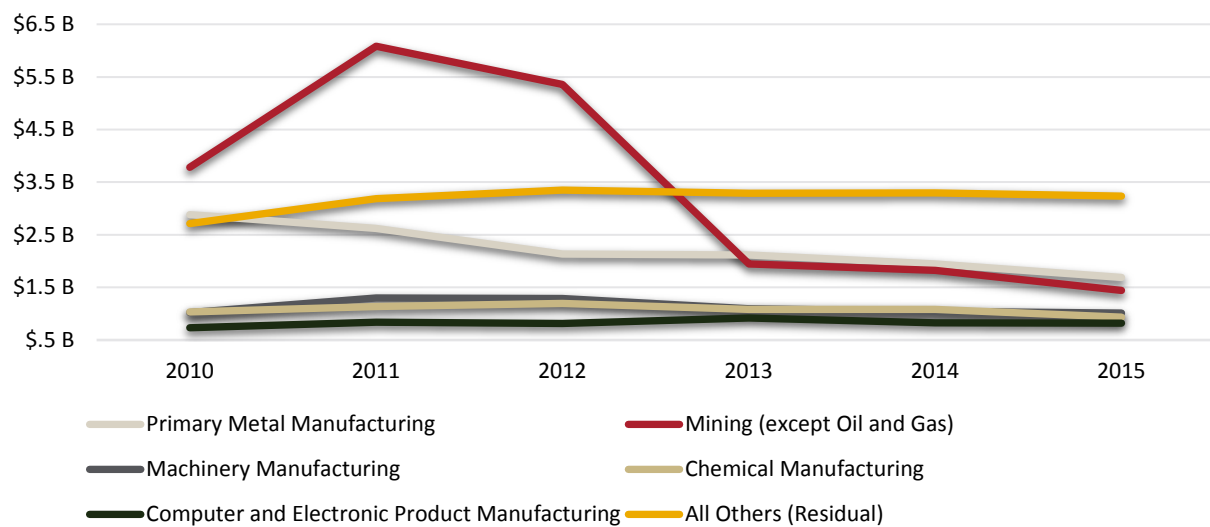
The region exported \$9.1 billion worth of goods in 2015, a decrease of -8.8% over the previous year, largely driven by drops in Mining, Chemical Manufacturing and Primary Metal Manufacturing. The Pittsburgh MSA is ranked 35th among all metropolitan area exporters and accounts for 21.9% of Pennsylvania's merchandise exports even though the Pittsburgh MSA accounts for 15.4% of statewide employment. In 2015, Primary Metal manufacturing exports totaled \$1.7 billion and accounted for 18.7% of total manufacturing exports, making the Pittsburgh MSA the 6th largest Primary Metal exporting region in the country. Pittsburgh also ranks 9th for Nonmetallic Mineral Product Manufacturing exports, exporting \$284 million in 2015.

Pittsburgh MSA Merchandise Export Sales to World, by Product Sector: 2010 - 2016

	2010	2011	2012	2013	2014	2015	2010 to 2015	2014 to 2015
Primary Metal Manufacturing	\$2.88 B	\$2.62 B	\$2.13 B	\$2.12 B	\$1.95 B	\$1.69 B	-41.4%	-13.3%
Mining (except Oil and Gas)	\$3.78 B	\$6.08 B	\$5.36 B	\$1.94 B	\$1.82 B	\$1.44 B	-61.8%	-20.9%
Machinery Manufacturing	\$1.02 B	\$1.3 B	\$1.29 B	\$1.1 B	\$1.04 B	\$1.01 B	-0.8%	-2.9%
Chemical Manufacturing	\$1.03 B	\$1.14 B	\$1.2 B	\$1.08 B	\$1.08 B	\$.93 B	-9.3%	-13.6%
Computer and Electronic Product Manufacturing	\$.73 B	\$.84 B	\$.81 B	\$.92 B	\$.83 B	\$.82 B	12.0%	-0.7%
All Others (Residual)	\$2.71 B	\$3.18 B	\$3.35 B	\$3.29 B	\$3.29 B	\$3.24 B	19.3%	-1.7%
All Products	\$12.16 B	\$15.17 B	\$14.13 B	\$10.44 B	\$10.02 B	\$9.14 B	-24.9%	-8.8%

Source: U.S. Department of Commerce: International Trade Administration

Pittsburgh MSA Export Trends in Billions - 2010 to 2015



Announced Expansions and Downsizings

Manufacturing expansions accounted for 30.6% of total announced expansions in southwestern Pennsylvania during 2015 and are responsible for 18.3% of related jobs. The percentage of manufacturing expansion announcements as a portion of all expansion announcements had grown steadily, though the percentage of announced manufacturing jobs fell dramatically in the past year. However, the number of jobs announced has decreased 52.7% over the past five years. Until 2015, the percentage of manufacturing jobs announced accounted for 23.4% of all jobs announced.

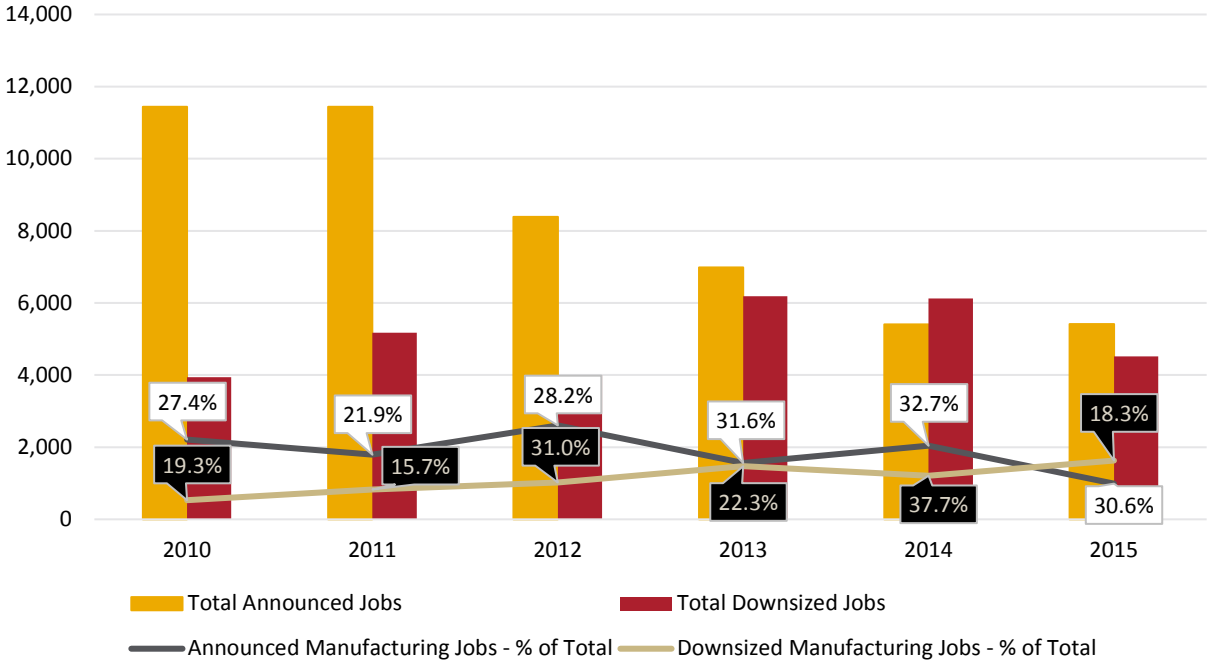
Manufacturing-related downsizings in 2015 represented 26.9% of all announced downsizings identified in the region. This represents a higher proportion than the average of 17.5% per year between 2010 and 2014. In addition, the 1,630 manufacturing jobs impacted by the downsizing announcements represents 36.1% of all impacted jobs in 2015, which is above the 19.9% per year average for 2010 to 2014.

Announced Expansions								
		2010	2011	2012	2013	2014	2015	Total
Total Announcements	Establishments	252	242	209	206	208	206	1,323
	Jobs	11,442	11,440	8,388	6,983	5,406	5,417	49,076
Manufacturing Announcements	Establishments	69	53	59	65	68	63	377
	% of all Establishments	27.4%	21.9%	28.2%	31.6%	32.7%	30.6%	28.5%
	Jobs	2,210	1,791	2,604	1,559	2,040	990	11,194
	% of all Jobs	19.3%	15.7%	31.0%	22.3%	37.7%	18.3%	22.8%
	Average Jobs*	35	38	50	29	41	24	36
Announced Downsizing								
		2010	2011	2012	2013	2014	2015	Total
Total Announcements	Establishments	46	70	59	64	69	67	375
	Jobs	3,941	5,179	3,996	6,183	6,126	4,521	29,946
Manufacturing Announcements	Establishments	7	7	11	13	16	18	72
	% of all Establishments	15.2%	10.0%	18.6%	20.3%	23.2%	26.9%	19.2%
	Jobs	531	828	1,021	1,471	1,209	1,630	6,690
	% of all Jobs	13.5%	16.0%	25.6%	23.8%	19.7%	36.1%	22.3%
	Average Jobs*	76	118	102	123	93	96	101

*Average based only on companies reporting job count

Source: Pittsburgh Regional Alliance

Expansion and Downsizing Trends with Manufacturing as a Percentage of Totals



Source: Pittsburgh Regional Alliance