

MAY 2018



CHEMICAL & PLASTICS MANUFACTURING

ANNUAL STATISTICAL REPORT



PACIFIC MOUNTAIN
WORKFORCE
DEVELOPMENT

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The Chemical and Plastics Manufacturing sector includes chemical manufacturing, petroleum and coal product manufacturing, plastics and rubber manufacturing and nonmetallic mineral product manufacturing.¹

Recent Developments

Alaffia finalizes distribution deal with WalMart—expected to add 60 jobs

Floor mat manufacturer SA Tech builds new facility in Lewis County

Ascensus Specialities LLC expands production at its Elma plant

Total Sector Employment:
1,301 jobs²

Number of worksites: 54³

Gross Domestic Product:
\$168,305,000⁴

Average Annual Wage:
\$60,046⁵

Glass manufacturing jobs are over three times more prevalent in the PacMtn region compared to the national average.⁶

Fifteen percent of the jobs in this sector are transportation and logistics occupations.⁷

MAJOR INDUSTRIES—CHEMICAL & PLASTICS SECTOR PACMTN 2017

Industry	Number of Worksites (establishments)	GDP (economic output)	Jobs	Average Annual Wage	Location Quotient ⁸
Chemicals	16	\$53,200,000	267	\$70,457	0.26
Plastics & Rubber	14	\$29,310,000	318	\$53,505	0.35
Glass	2	\$44,984,000	352	\$51,191	3.19
Other Mineral-based Products ⁹	22	\$38,153,000	362	\$49,600	0.87

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INDUSTRY TRENDS

Data analysis done in 2017 shows some interesting trends in this sector, please see the tables below for a data snapshot of industries within the Chemical & Plastics Manufacturing sector.

PLASTIC PIPE MANUFACTURING		
Year	GDP	Jobs
2015	\$9,330,000	113
2016	\$11,297,000	131
2017	Not Available	135

Employment in the region's plastic pipe industry is evenly divided between Olympia's Advanced Drainage Systems and the Cresline Northwest plant in Chehalis.

SOAP, CLEANING COMPOUND & TOILET PREPARATION MANUFACTURING		
Year	GDP	Jobs
2015	\$21,179,000	89
2016	\$23,193,000	118
2017	Not Available	212

Entrepreneurial ventures in cosmetics such as Olympia's Alaffia have created new jobs in the PacMtn region.

PHARMACEUTICAL & MEDICINE MANUFACTURING		
Year	GDP	Jobs
2015	\$2,146,000	15
2016	\$3,611,000	24
2017	Not Available	45

A small but growing local industry driven primarily by botanicals and alternative medicine.

GLASS PRODUCT MANUFACTURING		
Year	GDP	Jobs
2015	\$45,996,000	360
2016	\$44,984,000	370
2017	Not Available	352

Cardinal Glass Industries' Tumwater plant produced 97,175,060 square feet of glass in 2017.¹⁰



Learn more at www.pacmtn.org

Grays Harbor, Lewis, Mason, Pacific, Thurston Counties

WorkSource Washington and PacMtn are equal opportunity employers/programs. Auxiliary aids and services are available upon request to individuals with disabilities. WA Relay 711



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FOOTNOTES

1. The Chemical and Plastics Manufacturing sector is defined by the following NAICS-coded industries: Petroleum and Coal Products Manufacturing (324), Chemical Manufacturing (325), Plastics and Rubber Products Manufacturing (326), Nonmetallic Mineral Product Manufacturing (327).

2. Employment data is derived from the federal Quarterly Census of Employment and Wages (QCEW). The QCEW quarterly and annual data is derived from a complete count of employer tax records and unemployment insurance records. Industry data only includes workers who work for an employer who designates the chemical and plastics industry as their primary industry.

3. The U.S. Census Bureau defines "establishments" as "a single physical location where business is conducted or where services or industrial operations are performed." The term "worksites" is used interchangeably here with "establishments."

4. Regional Gross Domestic Product (GDP) is adapted from the U.S. Bureau of Economic Analysis (BEA) RIMS II chart of accounts and applied to data from the combined five-county PacMtn region. The BEA defines GDP as "the value of the goods and services produced by the [region's] economy less the value of the goods and services used up in production."

5. Average annual wage data is from Quarterly Census of Employment and Wages (QCEW) annualized averages of quarterly wage earnings.

6. Due to a location quotient of 3.12 (see note 8).

7. PacMtn analysis of JobsEQ Industry-Employment Mix data.

8. "Location Quotient" is the share of the region's employment in a particular industry relative to the national average. The base is 1. Therefore, if an industry in the PacMtn area has an LQ of 2.50, that means that the local percentage of jobs in that industry in this region is two-and-a-half times greater than the national average.

9. These are products such as clay, lime and cement. For classification purposes, it is NAICS code 327 with glass manufacturing removed.

10. Maselli, D. (2018, February). Cardinal Glass, Tumwater: Manufacturing tempered safety glass. Thurston County Chamber VOICE, 15.