Manufacturing
in Frederick County, MD

Frederick County Workforce Services

FREDERICK COUNTY
WORKFORCE SERVICES

200 Monroe Avenue
Suite 1
Frederick, Maryland 21701

.ıl¹ Emsi   Industry Snapshot Report

Contents

What is Emsi Data?

Emsi data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Emsi data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.

Report Parameters

1 Industry

31	Manufacturing

1 County

24021	Frederick County, MD

Class of Worker

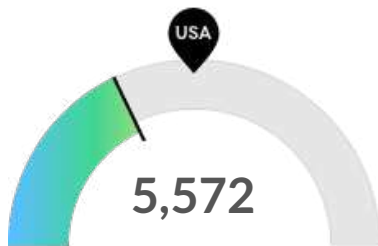QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen industry and geographical area.

Workforce Map
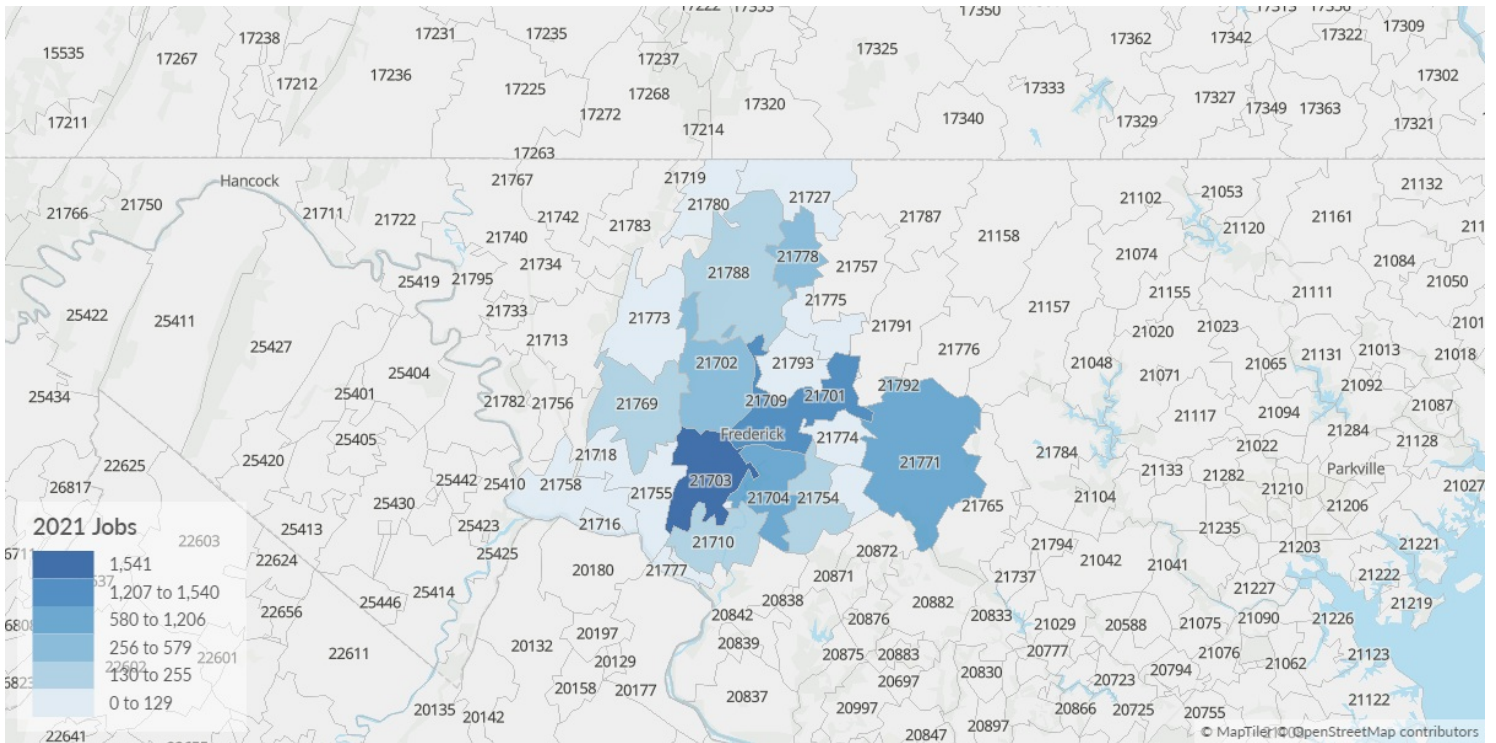
Executive Summary

## Light Hiring Competition Over a Thin Supply of Regional Talent

5,572

Supply (Jobs)

Frederick County, MD is not a hotspot for this kind of talent. The national average for an area this size is 8,722* employees, while there are 5,572 here.

$79,820

Earnings Per Job

Earnings per job are below the national average. The national average salary for Manufacturing in an area this size is $91,447, while in Frederick County, MD it is $79,820. Earnings per jobs is the total industry earnings divided by the number of jobs in the industry.

152
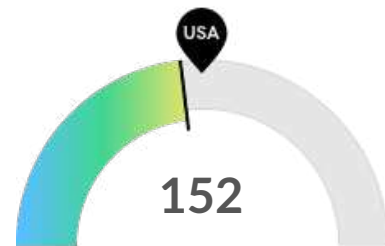
Demand (Job Postings)

Competition from online job postings is low in Frederick County, MD. The national average for an area this size is 170* job postings/mo, while there are 152 here.

*National average values are derived by taking the national value for Manufacturing and scaling it down to account for the difference in overall workforce size between the nation and Frederick County, MD. In other words, the values represent the national average adjusted for region size.

Supply (Jobs)

Supply Is Lower Than the National Average

The regional vs. national average employment helps you understand if the supply of Manufacturing is a strength or weakness for Frederick County, MD, and how it is changing relative to the nation. An average area of this size would have 8,722* employees, while there are 5,572 here. This lower than expected supply may make it more difficult to find candidates. The gap between expected and actual employment is expected to remain roughly the same over the next 5 years.
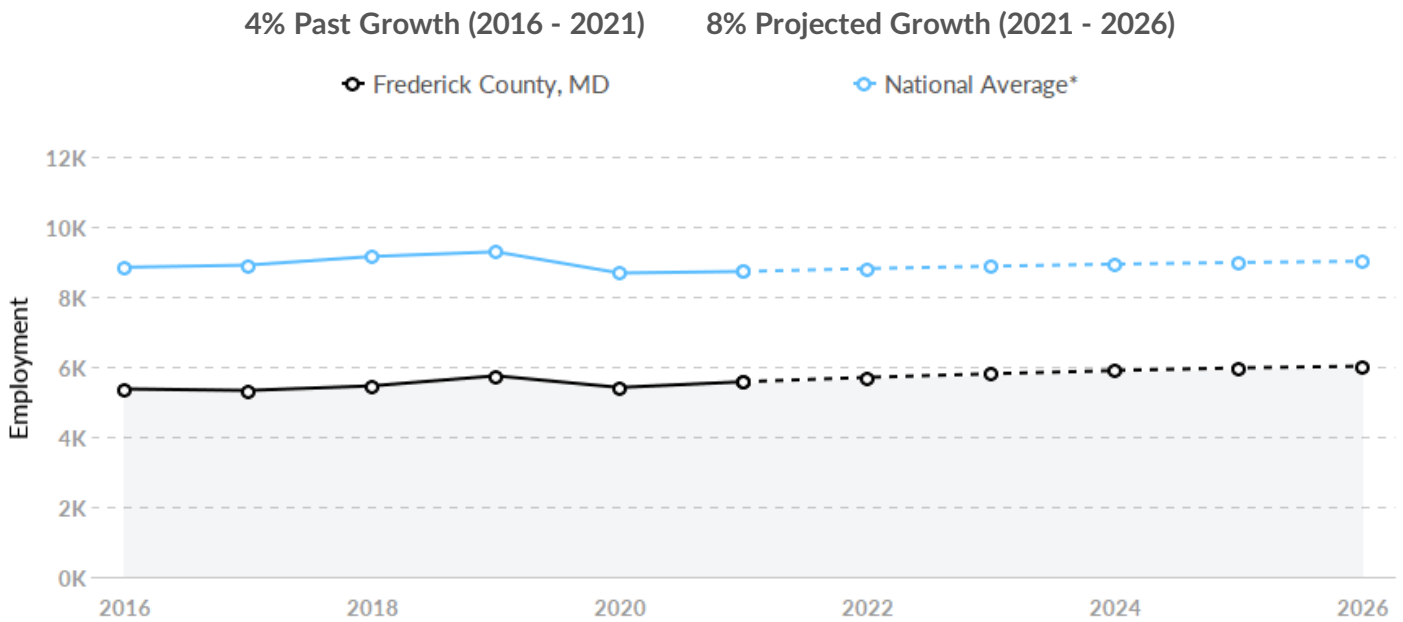
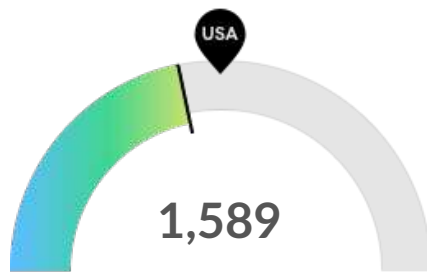**4% Past Growth (2016 - 2021)**   **8% Projected Growth (2021 - 2026)**

*National average values are derived by taking the national value for Manufacturing and scaling it down to account for the difference in overall workforce size between the nation and Frederick County, MD. In other words, the values represent the national average adjusted for region size.

Retirement Risk Is About Average, While Overall Diversity Is About Average
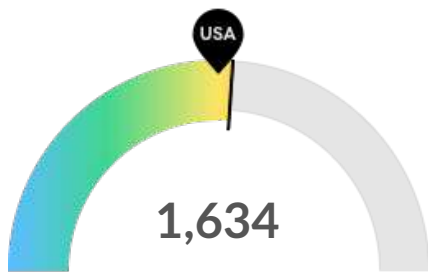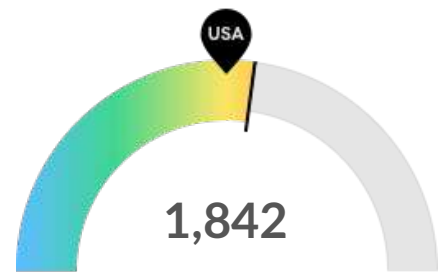
1,634
Retiring Soon

Retirement risk is about average in Frederick County, MD. The national average for an area this size is 1,536* employees 55 or older, while there are 1,634 here.

1,589
Racial Diversity

Racial diversity is low in Frederick County, MD. The national average for an area this size is 1,930* racially diverse employees, while there are 1,589 here.

1,842
Gender Diversity

Gender diversity is high in Frederick County, MD. The national average for an area this size is 1,630* female employees, while there are 1,842 here.

*National average values are derived by taking the national value for Manufacturing and scaling it down to account for the difference in overall workforce size between the nation and Frederick County, MD. In other words, the values represent the national average adjusted for region size.
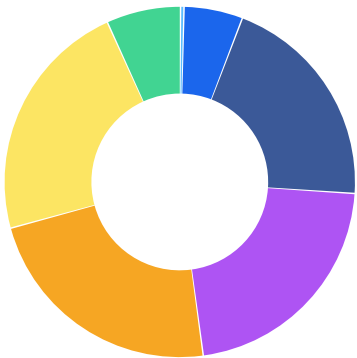
Unemployment Rate Trends

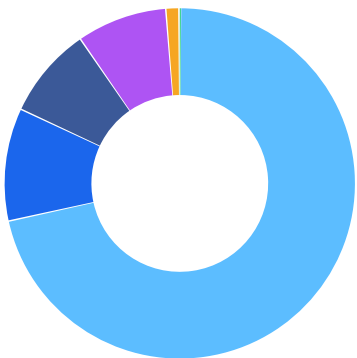Unemployment shown at the 2-digit sector level.
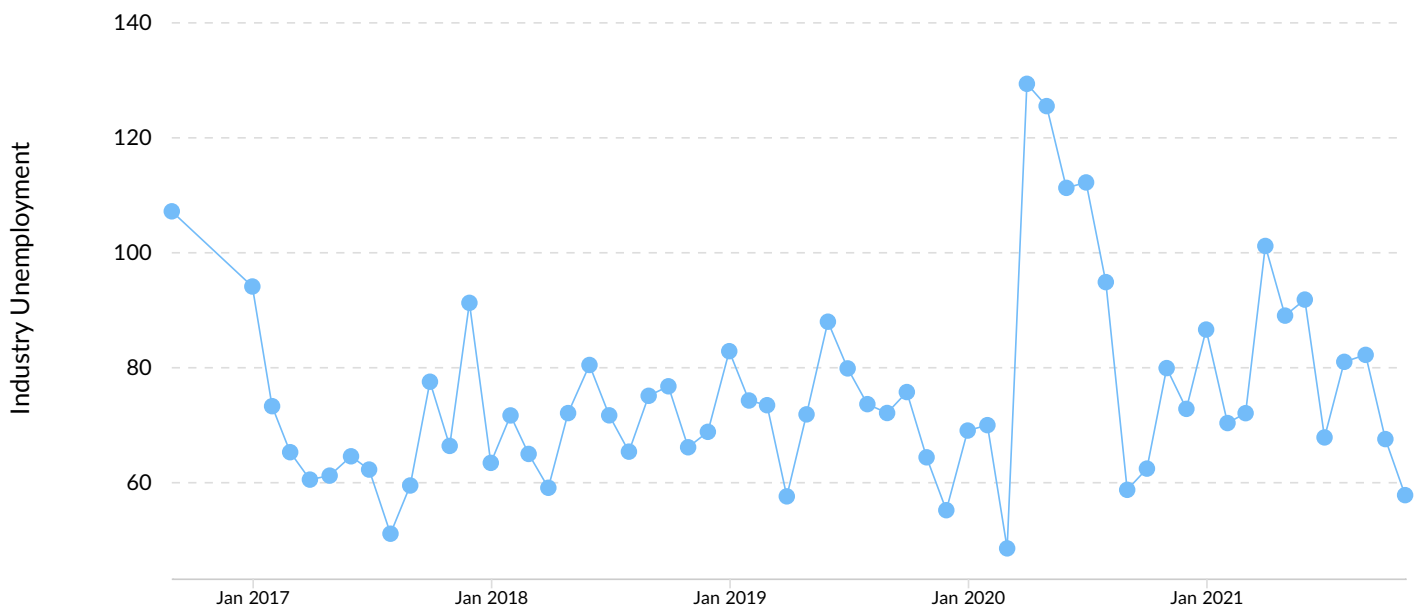
Demographic Details

Industry Age Breakdown

	% of Jobs	Jobs
14-18	0.3%	18
19-24	5.4%	302
25-34	20.2%	1,128
35-44	21.8%	1,215
45-54	22.9%	1,276
55-64	22.5%	1,252
65+	6.8%	382

Industry Race/Ethnicity Breakdown

	% of Jobs	Jobs
White	71.5%	3,983
Black or African American	10.4%	580
Asian	8.4%	471
Hispanic or Latino	8.3%	464
Two or More Races	1.2%	67
American Indian or Alaska Native	0.1%	7
Native Hawaiian or Other Pacific Islander	0.0%	1

Industry Gender Breakdown

	% of Jobs	Jobs
● Males	66.9%	3,730
● Females	33.1%	1,842

Most Jobs are Found in the Production Occupations Industry Sector

Occupation	% of Industry in Occupation (2021)
● Production Occupations	34.6%
● Transportation and Material Moving Occupations	10.1%
● Management Occupations	9.6%
● Office and Administrative Support Occupations	8.8%
● Architecture and Engineering Occupations	7.1%
● Business and Financial Operations Occupations	5.7%
● Other	24.2%

Demand

146 Employers Competing

All employers in the region who posted for this job over the last 12 months.

1,824 Unique Job Postings

The number of unique postings for this job over the last 12 months.

Top Companies	Unique Postings	
Thermo Fisher Scientific	378	
Lonza	161	
General Dynamics	122	
Gilead Sciences	76	
RR Donnelley	71	

Top Job Titles	Unique Postings	
Material Handlers	28	
Diesel Mechanics	26	
Cell Biologists	19	
Assemblers	18	
Manufacturing Associates	17	

Industry Gain and Drain

Reliable Gain and Drain information is not available for the currently selected industry.

What skills are they posting for?

Top 15 Skills for All Job Types by Quarter

Skills help us understand the direction an industry is headed.

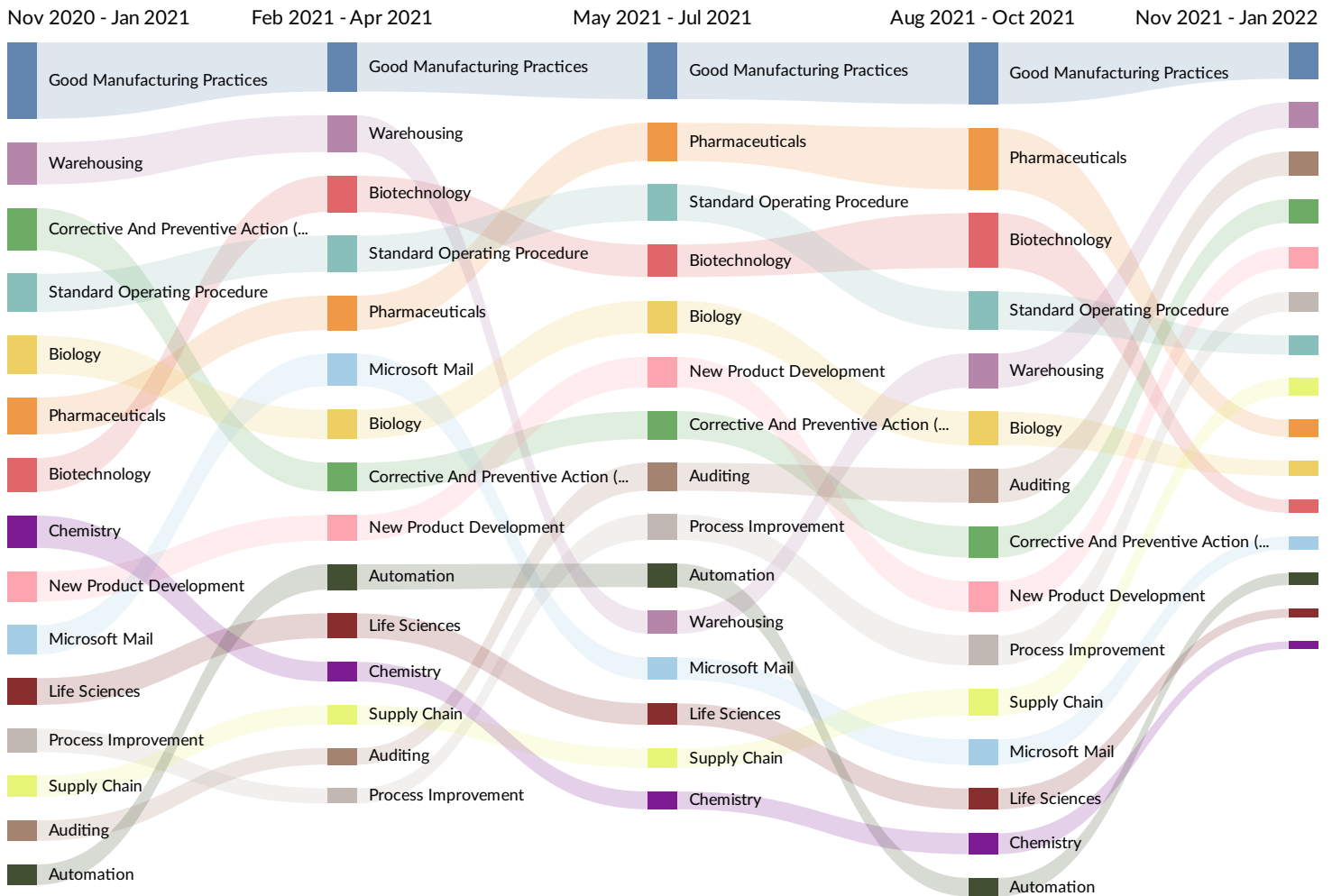| Nov 2020 - Jan 2021	Feb 2021 - Apr 2021	May 2021 - Jul 2021	Aug 2021 - Oct 2021	Nov 2021 - Jan 2022
Good Manufacturing Practices	Good Manufacturing Practices	Good Manufacturing Practices	Good Manufacturing Practices	Good Manufacturing Practices
Warehousing	Warehousing	Pharmaceuticals	Pharmaceuticals	Pharmaceuticals
Corrective And Preventive Action (...	Biotechnology	Standard Operating Procedure	Biotechnology	Biotechnology
Standard Operating Procedure	Standard Operating Procedure	Biotechnology		Standard Operating Procedure
Biology	Pharmaceuticals	Biology	Standard Operating Procedure	Warehousing
Pharmaceuticals	Microsoft Mail	New Product Development	Warehousing	Biology
Biotechnology	Biology	Corrective And Preventive Action (...	Biology	Auditing
Chemistry	Corrective And Preventive Action (...	Auditing	Auditing	Corrective And Preventive Action (...
New Product Development	New Product Development	Process Improvement	Corrective And Preventive Action (...	New Product Development
Microsoft Mail	Automation	Automation	New Product Development	Process Improvement
Life Sciences	Life Sciences	Warehousing	Process Improvement	Supply Chain
Process Improvement	Chemistry	Microsoft Mail	Supply Chain	Microsoft Mail
Supply Chain	Supply Chain	Life Sciences	Microsoft Mail	Life Sciences
Auditing	Auditing	Supply Chain	Life Sciences	Chemistry
Automation	Process Improvement	Chemistry	Chemistry	Automation
			Automation	

Gross Regional Product (GRP)

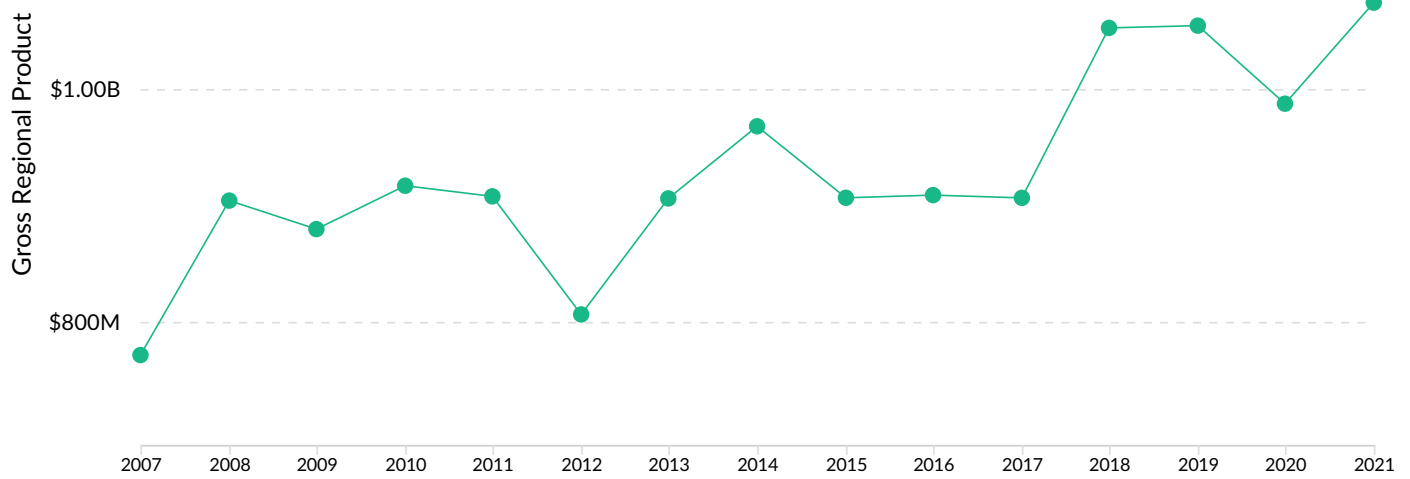| $459.7M	$592.6M	$21.9M	$1.1B
Earnings (2021)	Property Income (2021)	Taxes (2021)	Total GRP (2021)

Industry Requirements

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Corporate, Subsidiary, and Regional Managing Offices	$11,384,486	$53,356,783	$64,741,268
Animal Production	$34,427,204	$22,245,968	$56,673,172
Drugs and Druggists' Sundries Merchant Wholesalers	$1,673,531	$34,680,871	$36,354,402
Biological Product (except Diagnostic) Manufacturing	$16,725,961	$5,331,117	$22,057,078
Iron and Steel Mills and Ferroalloy Manufacturing	$37,531	$17,291,535	$17,329,065