Regional Growth Partnership

Macroeconomic Report: Q2 2024

July 2024

RGP NORTHWEST OHIO — Macroeconomic Dashboard

People

	Employment Concentration	Unemployment Rate	Toledo MSA Labor Force Size	Resident Population	Total Net Migration
Period & Change	▲ Yearly	▲ Quarterly, SU	▲ Annual	▼ Annual	▲ Annual
Timeframe	CY 2023	2024 Q2	CY 2023	CY 2023	CY 2021
Timeframe Figure	**0.07%**	**4.5%**	**295,142**	**1,206,111**	**-2,061**
Ohio Metric	0.10%	4.2%	5,739,180	11,785.	-7,198

Prosperity

	Toledo MSA Real Gross Domestic Product (in Millions)	RGP Industry Employment	Toledo MSA GDP Per Capita	Manufacturing Job Growth	Annual Earnings for Private Employment
Period & Change	▼ Annual	▲ Annual Trend	▼ Annual	▲ Annual	▲ Annual
Timeframe	CY 2022	CY 2023	CY 2022	CY 2023	CY 2023
Timeframe Figure	**36,663**	**.96%**	**57,251.42**	**0.03%**	**4.58%**
Ohio Metric	689,681	.28%	58,647.88	0.60%	3.14%

Potential

	STEM Jobs	STEM Program Completions	Business Establishments	Job Postings	White Collar Workers
Period & Change	▲ Annual	▲ Annual	▼ Quarterly	▼ Annual	▲ Annual
Timeframe	CY 2023	CY 2023	2023 Q4	CY 2023	CY 2023
Timeframe Figure	**1.36%**	**6.93%**	**-2.4%**	**-21.90%**	**0.56%**
Ohio Metric	1.44%	4.45%	1.2%	-20.73%	0.80%

RGPs 17 Counties:
Allen, Crawford, Defiance, Fulton, Lucas, Henry, Hancock, Hardin, Paulding, Putnam, Ottawa, Seneca, Sandusky, Van Wert, Wood, Williams, Wyandot

Macroeconomic Dashboard – Key Talking Points

Regional Rankings

➢ Homebuyer.com ranks Toledo as the 5th most affordable city overall in the United States to buy a home, and 3rd among large cities
➢ Toledo moved up 8 spots to #13 for most neighborly cities in America by neighbor.com
➢ Forbes Advisor ranks Toledo as the 3rd most affordable city to buy a home in 2024.
➢ According to SoFi.com, Van Wert is the 2nd Best Affordable city to live in Ohio and Lima is the 4th Best Affordable city.
➢ Findlay was ranked, for the 10th year in a row, as the Top Micropolitan by Site Selection Magazine.
➢ 6 Northwest Ohio Micropolitans ranked in the top 50 Micropolitans by Site Selection Magazine:
  ➢ Findlay- 1st
  ➢ Defiance- T10
  ➢ Tiffin- T13
  ➢ Bucyrus-Galion- T16
  ➢ Fremont- T16
  ➢ Van Wert- T40
➢ Lima, Ohio tied for 3rd on the 2023 top Metros Tier 3 List by Site Selection Magazine
➢ Niche.com ranks Lucas county as the 5th best county for young professionals
➢ Ohio was ranked as the 6th best state to start a small business by Forbes.
➢ Area Development ranks Ohio as the 5th best state to do business in 2023.

Project Performance

➢ In 2023 RGP counties won 123 projects
➢ From the 123 projects, 3746 new jobs will be created
➢ Won projects in 2023 will have a combined direct investment of $2.1 billion.
➢ The RGP region had the most won projects out of all regions in the state.
➢ RGP counties also had the greatest amount of capital investment in the state.
➢ Food processing projects on average have the largest number of jobs created, with Automotive projects having the second most.
➢ Won projects helped the region to retain 13,933 jobs in 2023

Talent Potential

➢ STEM Program completions were up 6.9% in 2023 from 2022.
➢ STEM Program completions were up over 11.7% from 2019.
➢ 2022 saw a $2.9 million investment into RGP counties by JobsOhio, RGP, and the Ohio Manufacturer's Association (OMA) to train residents of the 17-county region with the in-demand manufacturing skills to meet demand in the region now and in the future
➢ In August 2023 RGP and the Toledo Regional Chamber of Commerce launched "Toledo Region Talent Connection" designed to attract new talent to area by matching candidates with regional employers and also by helping streamline the relocation process.

Macroeconomic Picture

➢ The average unemployment rate across the RGP region was higher than across the state for Q2 2024. Wyandot county had the lowest unemployment rate in the region at 3.3%.
➢ Toledo, MSA has experienced growth in the labor force over the last five years
➢ Net migration from the area was less negative than last year (gap between people leaving and people moving to shrunk).
➢ Toledo's Real Gross Domestic Product decreased from 2021 to 2022.
➢ RGP counties are seeing growth in employment in Key Industries, that overall outpace the growth seen in the entire state.
➢ In Quarter 4 of 2023 Northwest Ohio saw a significant decrease in the number of private business establishments while the state saw an increase.
➢ The RGP region includes over 15% of the state market share in the key industries of Advanced Manufacturing, Automotive, Food Processing, Logistics & Distribution, and Energy and has for the last 20 years
➢ Northwest Ohio has seen about a 1% decrease in the state market share overall.

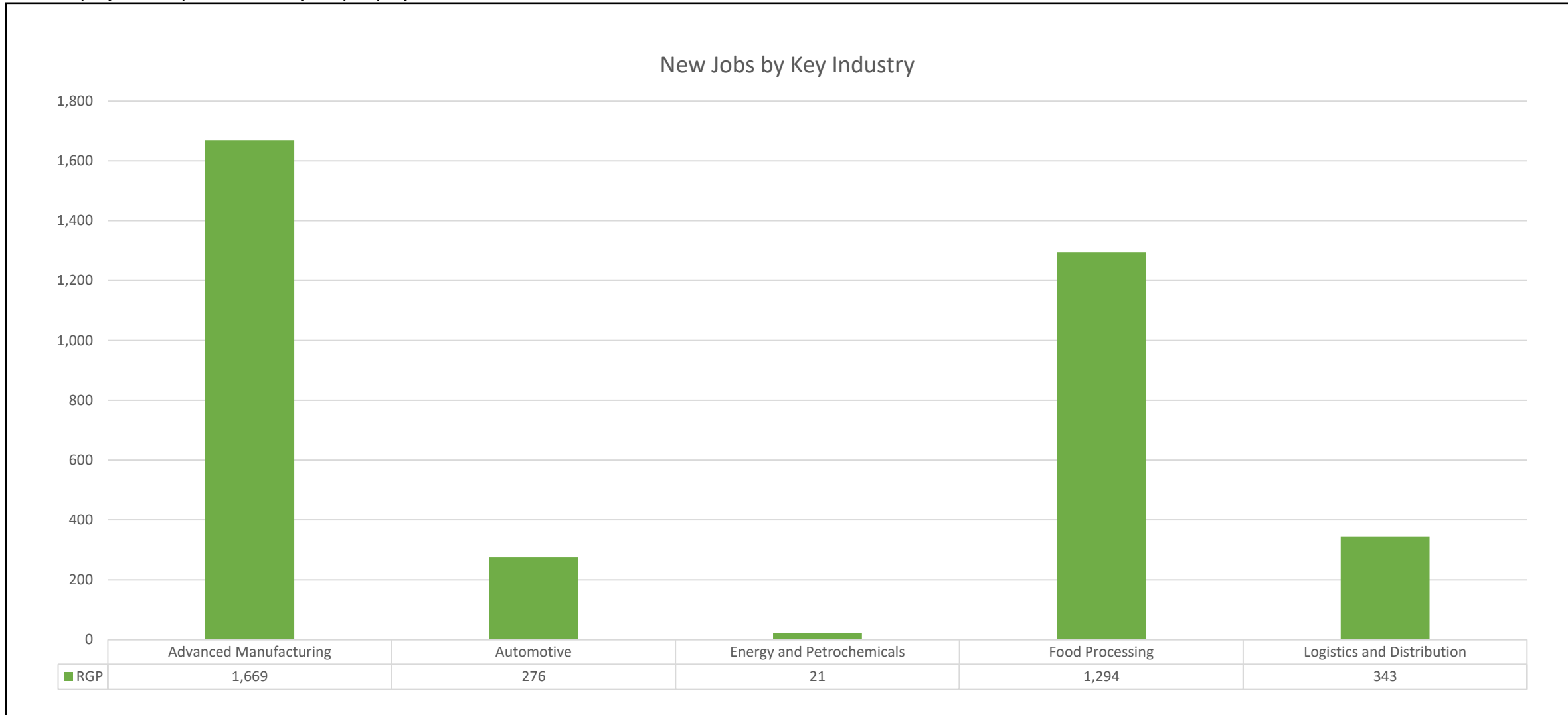# Advanced Manufacturing Dominates Project Wins

➤ Advanced Manufacturing made up 62% of the 123 projects in the RGP region in 2023.

Won Projects by Key Industry

	Advanced Manufacturing	Automotive	Energy and Petrochemicals	Food Processing	Logistics and Distribution
RGP	77	5	4	20	9
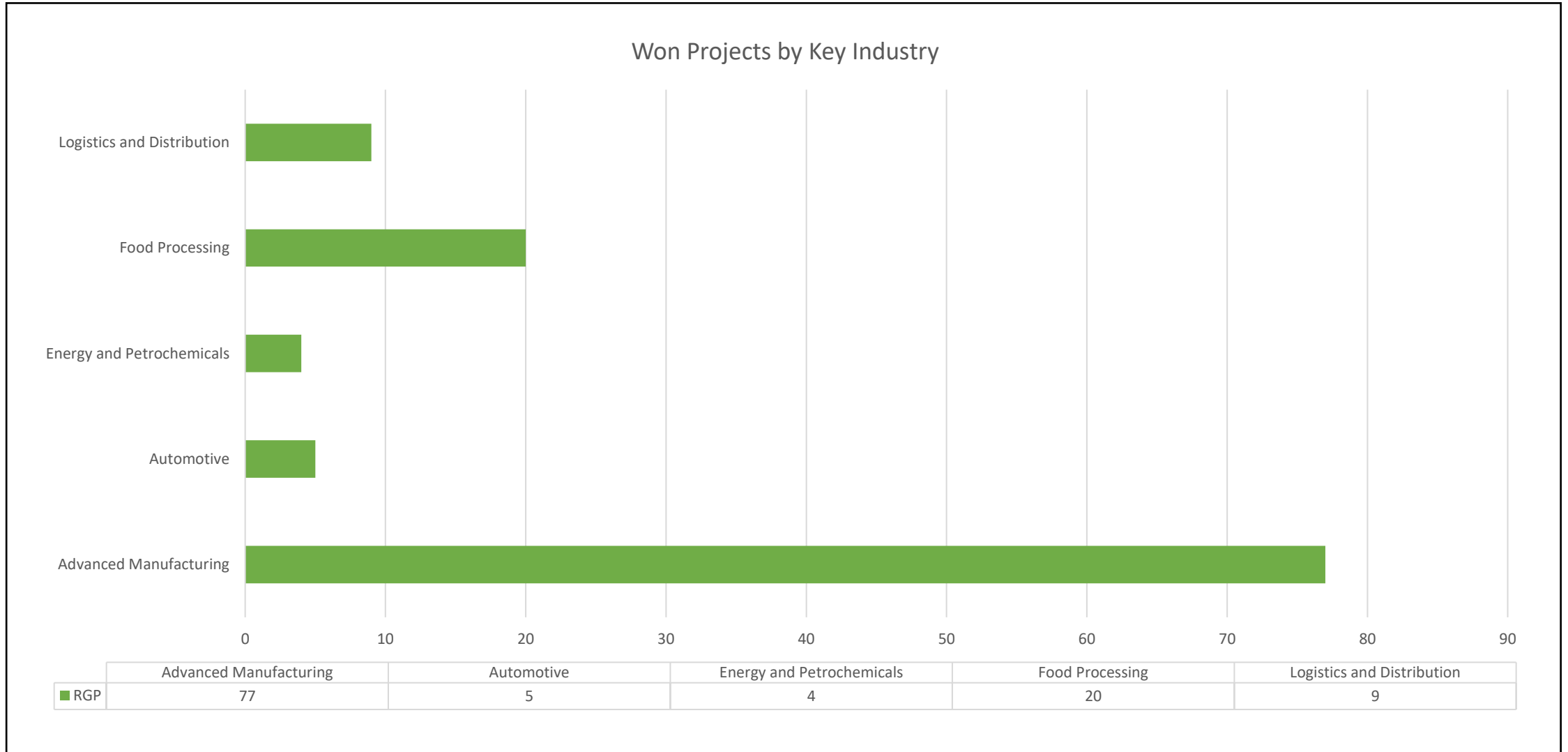
Food Processing Industry Creates More Jobs Per Project

➤ Advanced Manufacturing projects lead new job creation but, Food Processing has the highest project to new job ratio with an average of 64.7 jobs created per project compared to 21.7 jobs per project.

New Jobs by Key Industry

	Advanced Manufacturing	Automotive	Energy and Petrochemicals	Food Processing	Logistics and Distribution
RGP	1,669	276	21	1,294	343

Regional Employment Market Share Has Been Decreasing

➤ Northwest Ohio captured nearly 10% of Ohio total employment in 2023. Employment market share tracks the portion of Ohio's employment captured by the RGP region. From 2004-2023, regional market share decreased by -.91% overall versus a statewide market share decrease of -.49%.

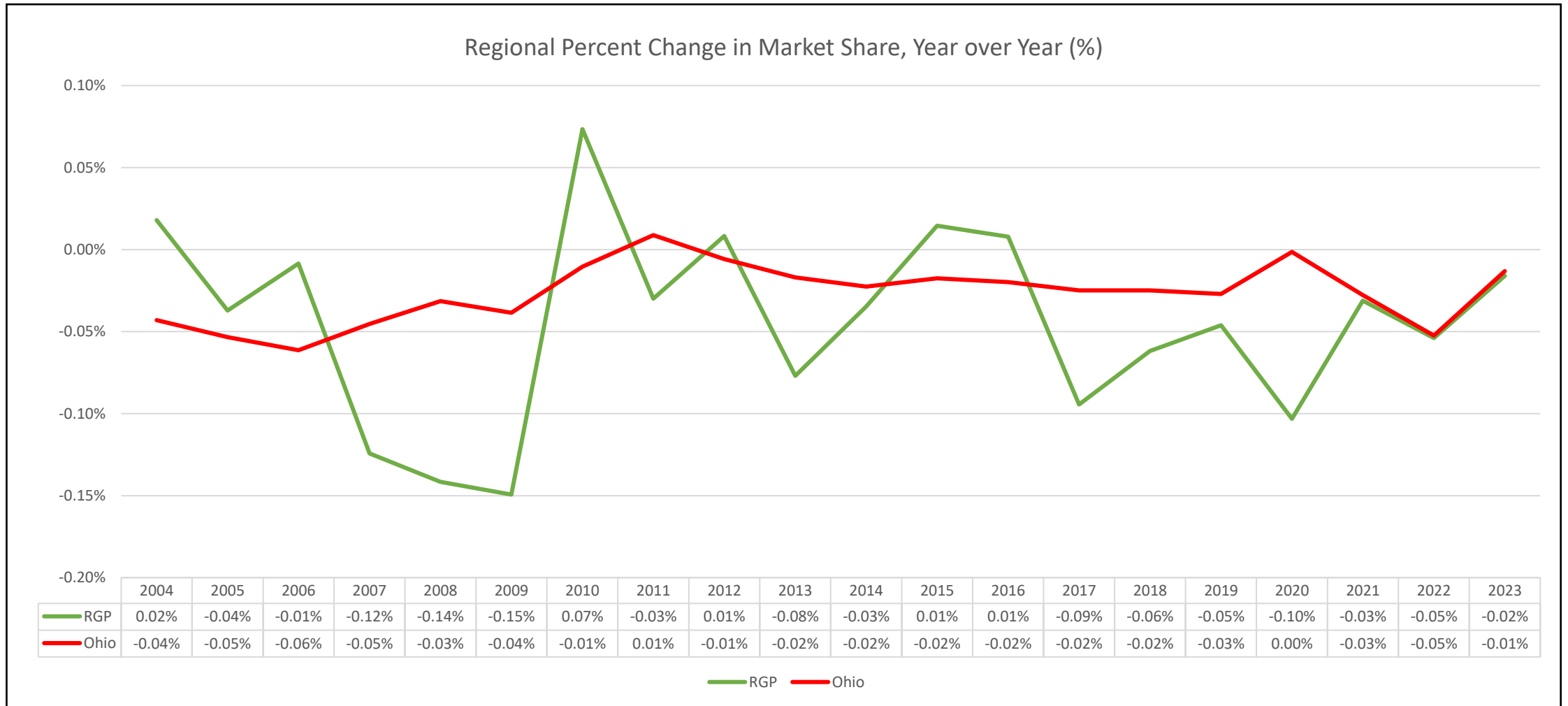## Employment Market Share, Year over Year (%)

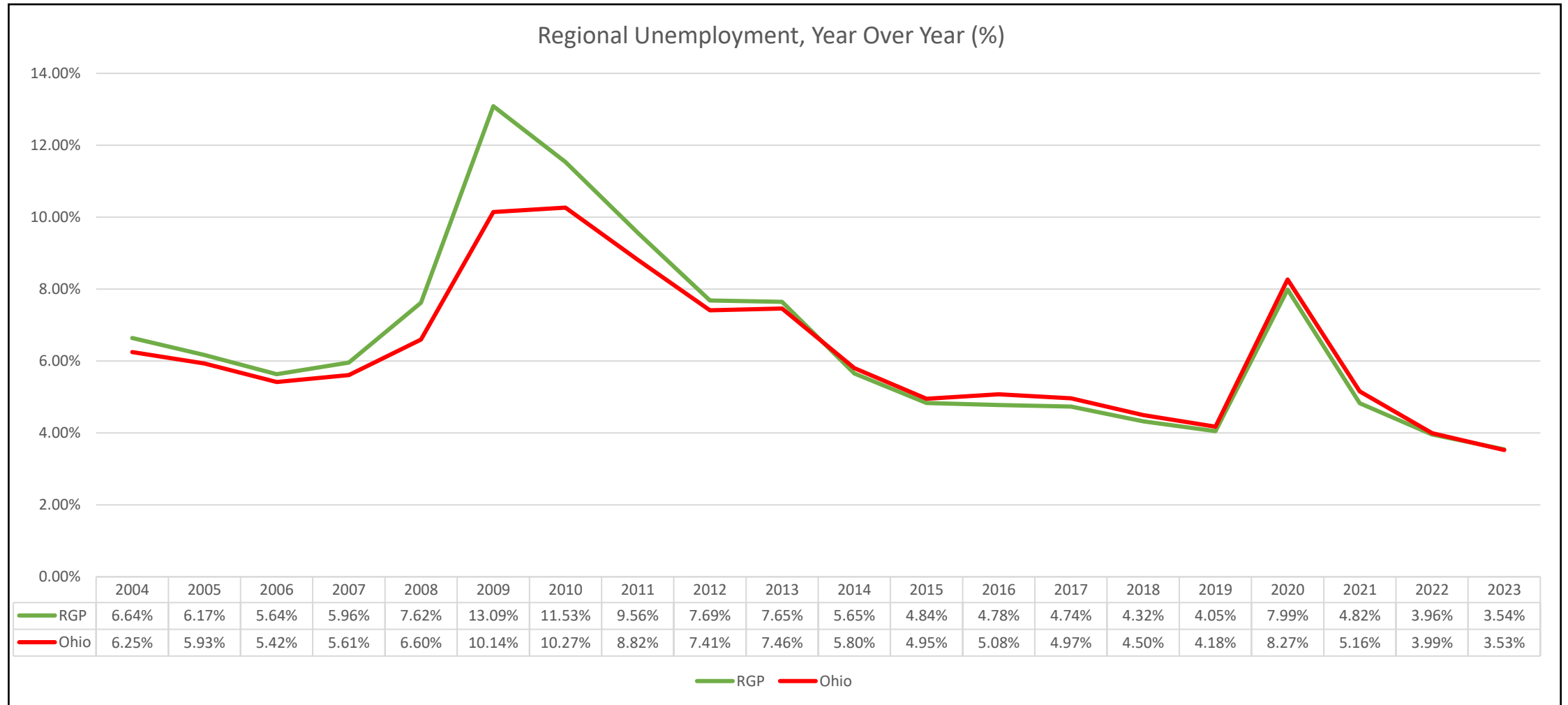|	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RGP	10.82%	10.78%	10.77%	10.65%	10.50%	10.35%	10.43%	10.40%	10.41%	10.33%	10.29%	10.31%	10.32%	10.22%	10.16%	10.11%	10.01%	9.98%	9.93%	9.91%
Ohio	3.99%	3.93%	3.87%	3.83%	3.80%	3.76%	3.75%	3.76%	3.75%	3.73%	3.71%	3.69%	3.67%	3.65%	3.62%	3.60%	3.59%	3.57%	3.51%	3.50%

■ RGP ■ Ohio
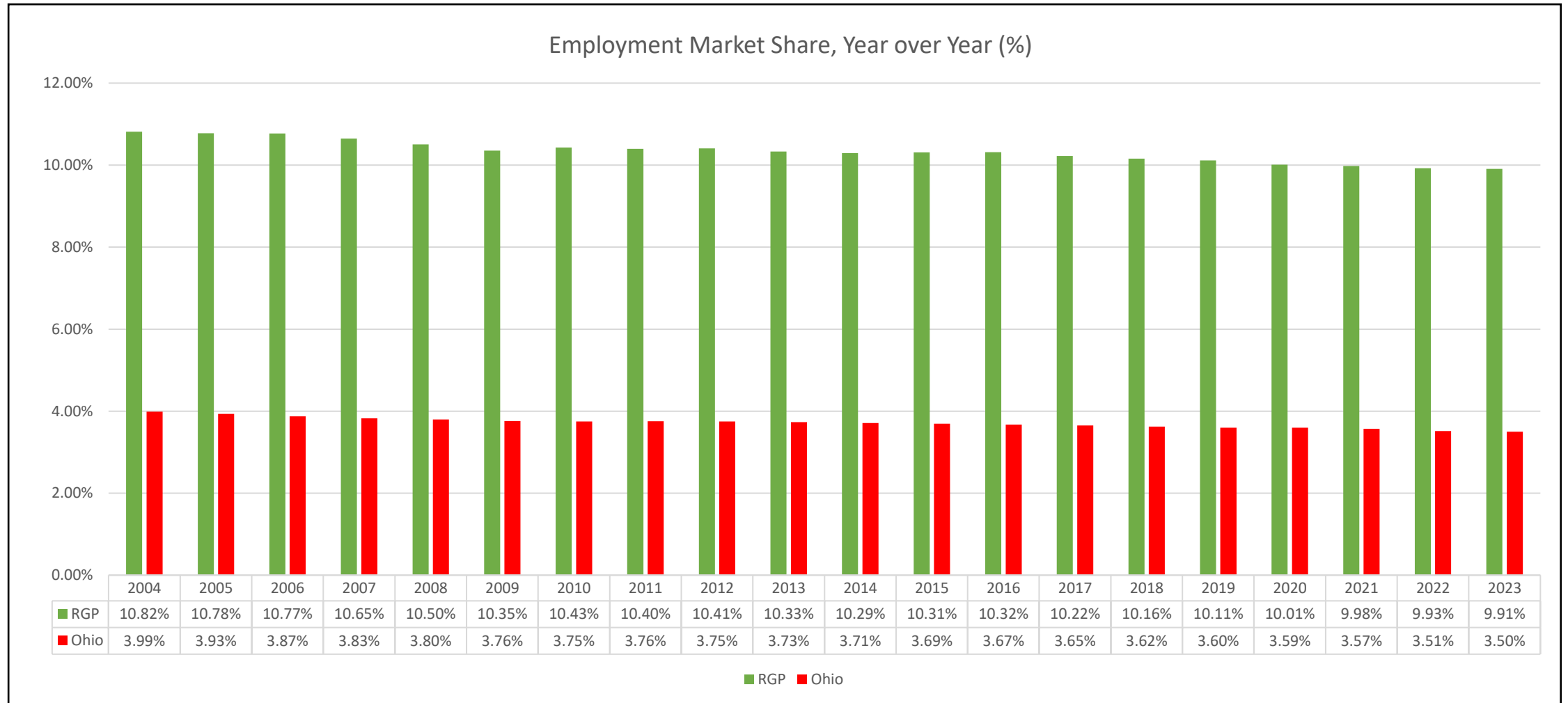
The Percent Change in Regional Employment Share in Ohio Decreased in 2023

➢ % Change in employment market share tracks the YoY change in market share at the regional and statewide levels. In 2023, Regional market share decreased -0.02% versus -.01% statewide. The statewide market share is significantly more stable than the regional market share.

Regional Percent Change in Market Share, Year over Year (%)

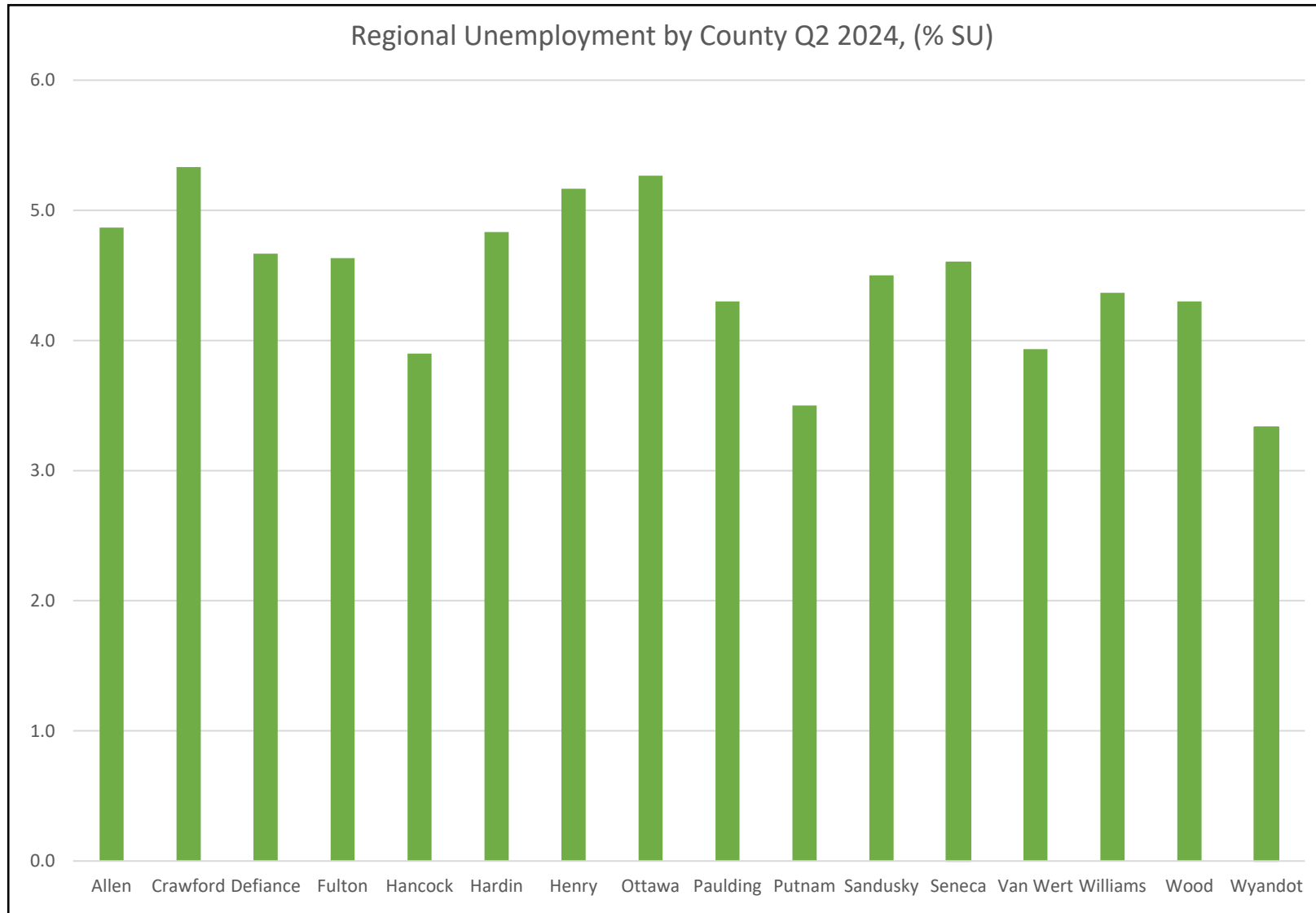|	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RGP	0.02%	-0.04%	-0.01%	-0.12%	-0.14%	-0.15%	0.07%	-0.03%	0.01%	-0.08%	-0.03%	0.01%	0.01%	-0.09%	-0.06%	-0.05%	-0.10%	-0.03%	-0.05%	-0.02%
Ohio	-0.04%	-0.05%	-0.06%	-0.05%	-0.03%	-0.04%	-0.01%	0.01%	-0.01%	-0.02%	-0.02%	-0.02%	-0.02%	-0.02%	-0.02%	-0.03%	0.00%	-0.03%	-0.05%	-0.01%

Regional Unemployment Has Remained Stable

➢ Unemployment has not fluctuated far from its 20 year mean of 6.51% with a standard deviation of ~2.6% in keeping with statewide unemployment, which has fluctuated with a standard deviation ~2% over the same timeframe. Spikes in unemployment directly correspond with recessionary periods from 2007 to 2009 and 2020.

Regional Unemployment, Year Over Year (%)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RGP	6.64%	6.17%	5.64%	5.96%	7.62%	13.09%	11.53%	9.56%	7.69%	7.65%	5.65%	4.84%	4.78%	4.74%	4.32%	4.05%	7.99%	4.82%	3.96%	3.54%
Ohio	6.25%	5.93%	5.42%	5.61%	6.60%	10.14%	10.27%	8.82%	7.41%	7.46%	5.80%	4.95%	5.08%	4.97%	4.50%	4.18%	8.27%	5.16%	3.99%	3.53%

Unemployment Across Counties is Relatively Consistent

Regional Unemployment by County Q2 2024, (% SU)

Rank	County	Q1 2024 Unemployment	5 Yr. Change
#1	Wyandot	3.3	-0.59%
#2	Putnam	3.5	-0.69%
#3	Hancock	3.9	-0.49%
#4	Van Wert	3.9	-0.67%
#5	Paulding	4.3	-0.98%
#6	Wood	4.3	-0.73%
#7	Williams	4.4	-0.47%
#8	Sandusky	4.5	-0.93%
#9	Seneca	4.6	-0.79%
#10	Fulton	4.6	-0.80%
#11	Defiance	4.7	-0.86%
#12	Hardin	4.8	-0.49%
#13	Allen	4.9	-0.71%
#14	Henry	5.2	-0.67%
#15	Ottawa	5.3	-1.47%
#16	Crawford	5.3	-0.93%
#17	Lucas	5.5	-0.98%

Note: "+" indicates a higher unemployment rate while "–" indicates a lower rate.

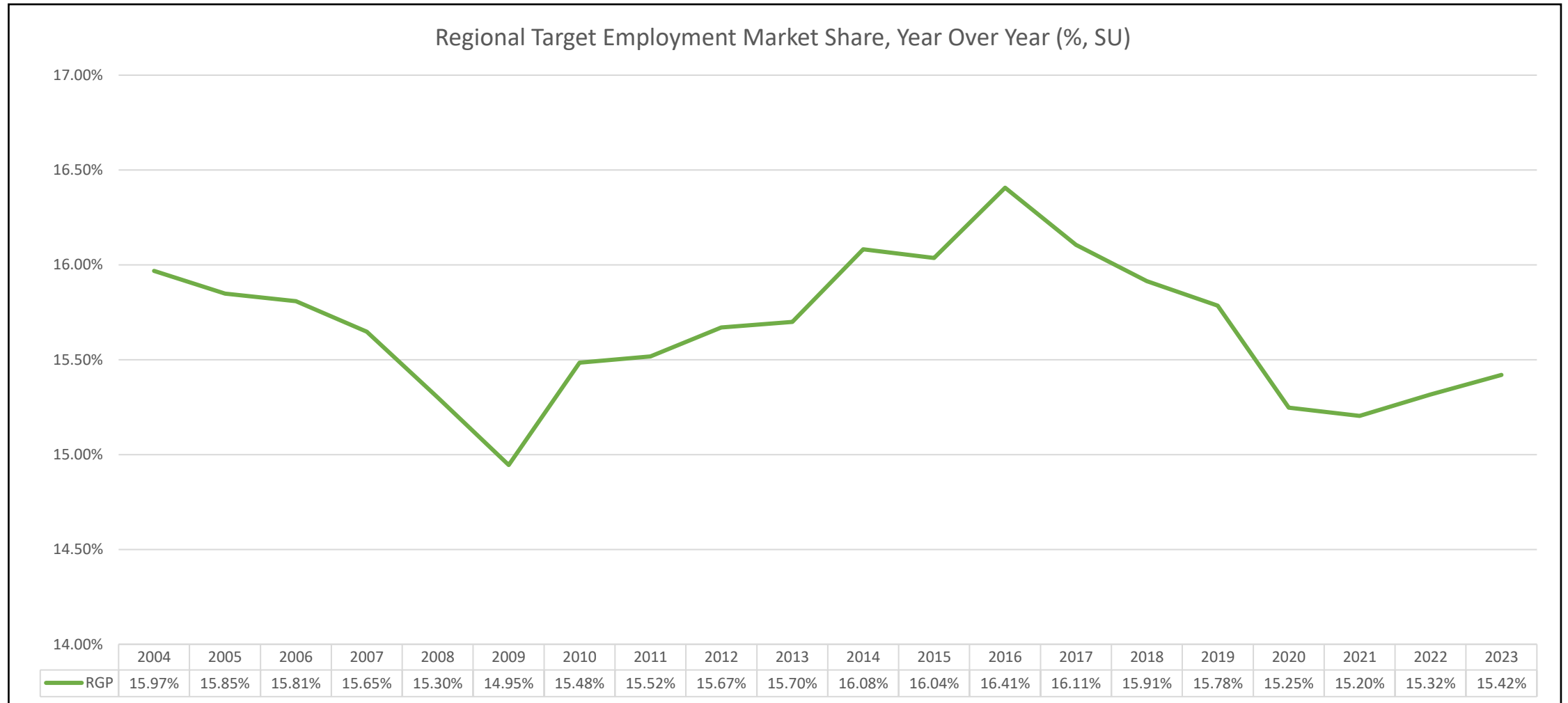# More People Residing within the Toledo, MSA are Participating in the Labor Force over the Short-Term

➢ Month to month labor force participation is volatile with a slight increasing trend over time, in a two-year period the Toledo MSA experienced a 0.6% increase (1754 person increase) in the labor force.

Labor Force Size for Toledo MSA

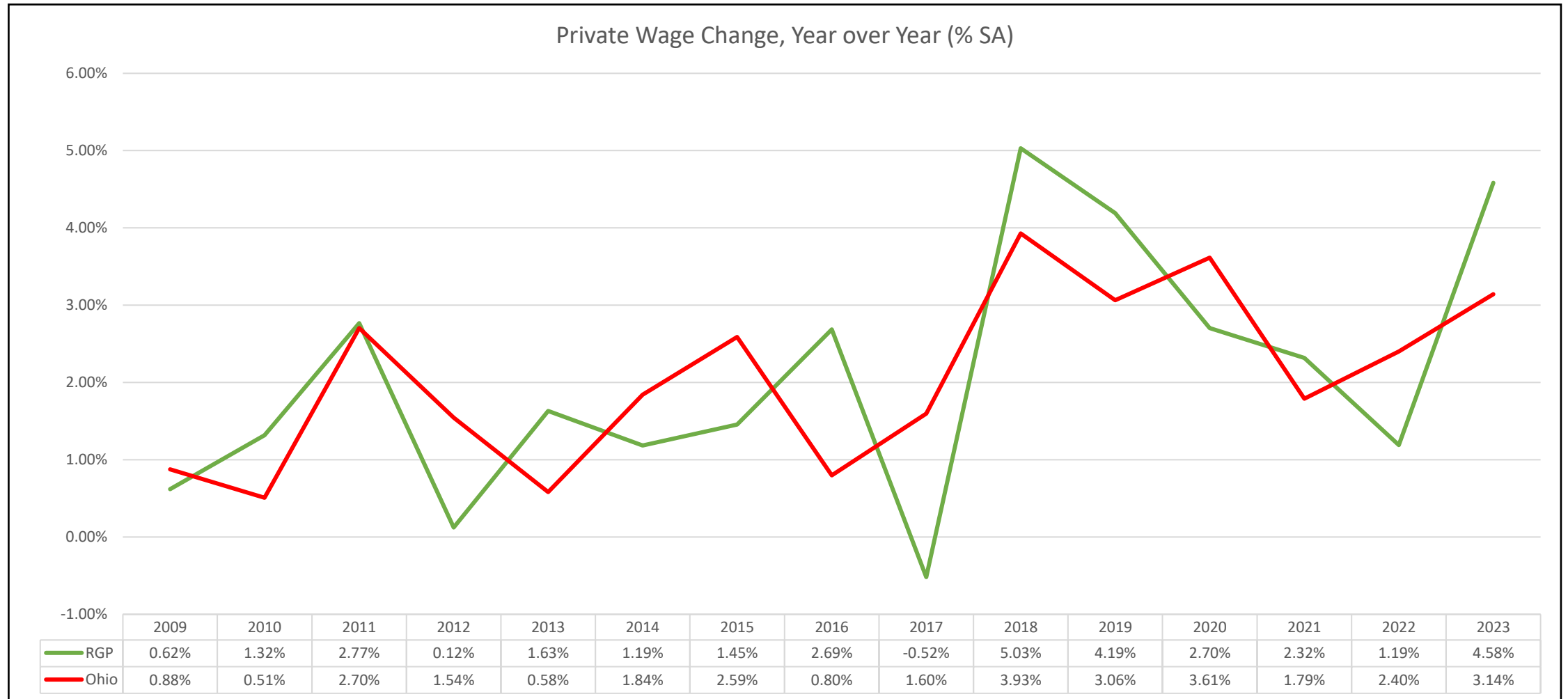|	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Toledo	290,670	294,085	294,777	294,198	294,929	294,614	294,308	293,411	291,910	293,266	294,195	293,274	292,841	296,180	296,624	295,928	298,105	294,446	295,445	295,146	293,873	295,934	294,752	292,424
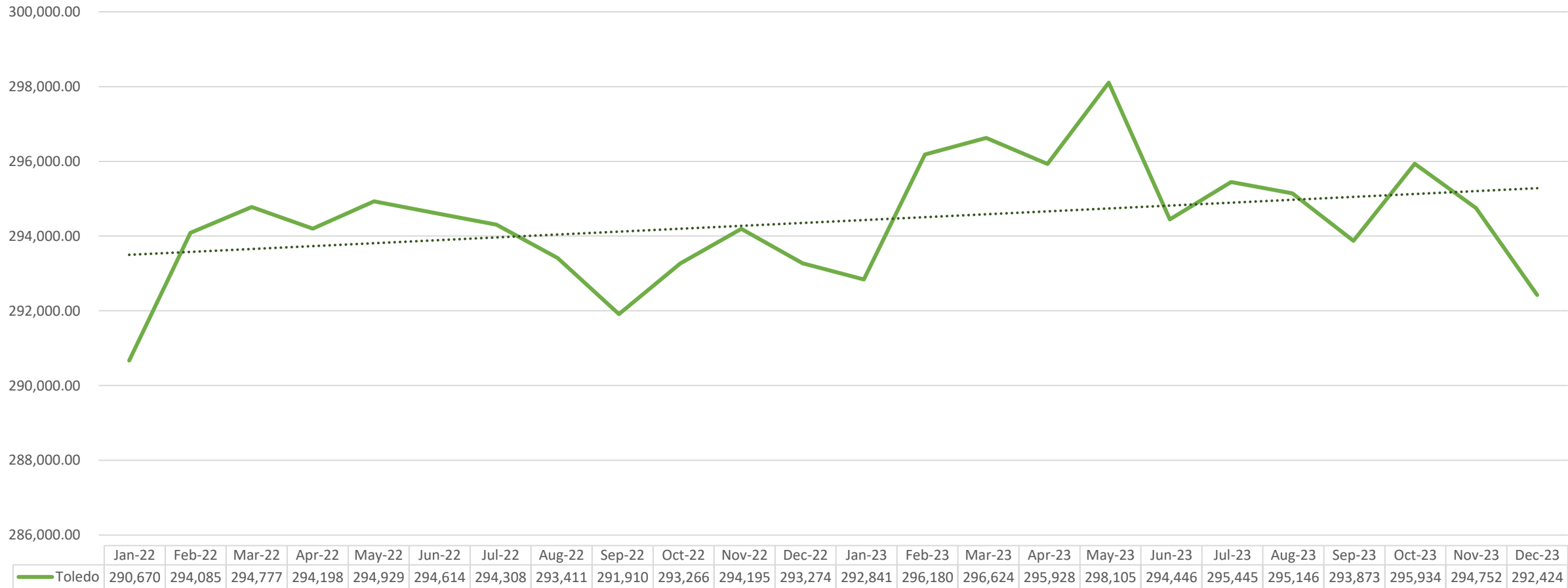
RGPs Target Industries Capture More of Ohio's Employment than Regional Private Employment

➢ Regional employment market share measures the portion of statewide target industry employment captured by the region. From 2004-2023, regional employment market share has remained relatively stagnant despite the ebb and flow of the share percentage across the observed timeframe.

Regional Target Employment Market Share, Year Over Year (%, SU)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
—RGP	15.97%	15.85%	15.81%	15.65%	15.30%	14.95%	15.48%	15.52%	15.67%	15.70%	16.08%	16.04%	16.41%	16.11%	15.91%	15.78%	15.25%	15.20%	15.32%	15.42%

Private Salaries in RGP Counties Match the Overall Trend in the State

➢ Median private salaries have increased both for the region and state over the last 15 years.
➢ Change in salaries year to year is more volatile within the region than in the state as a whole
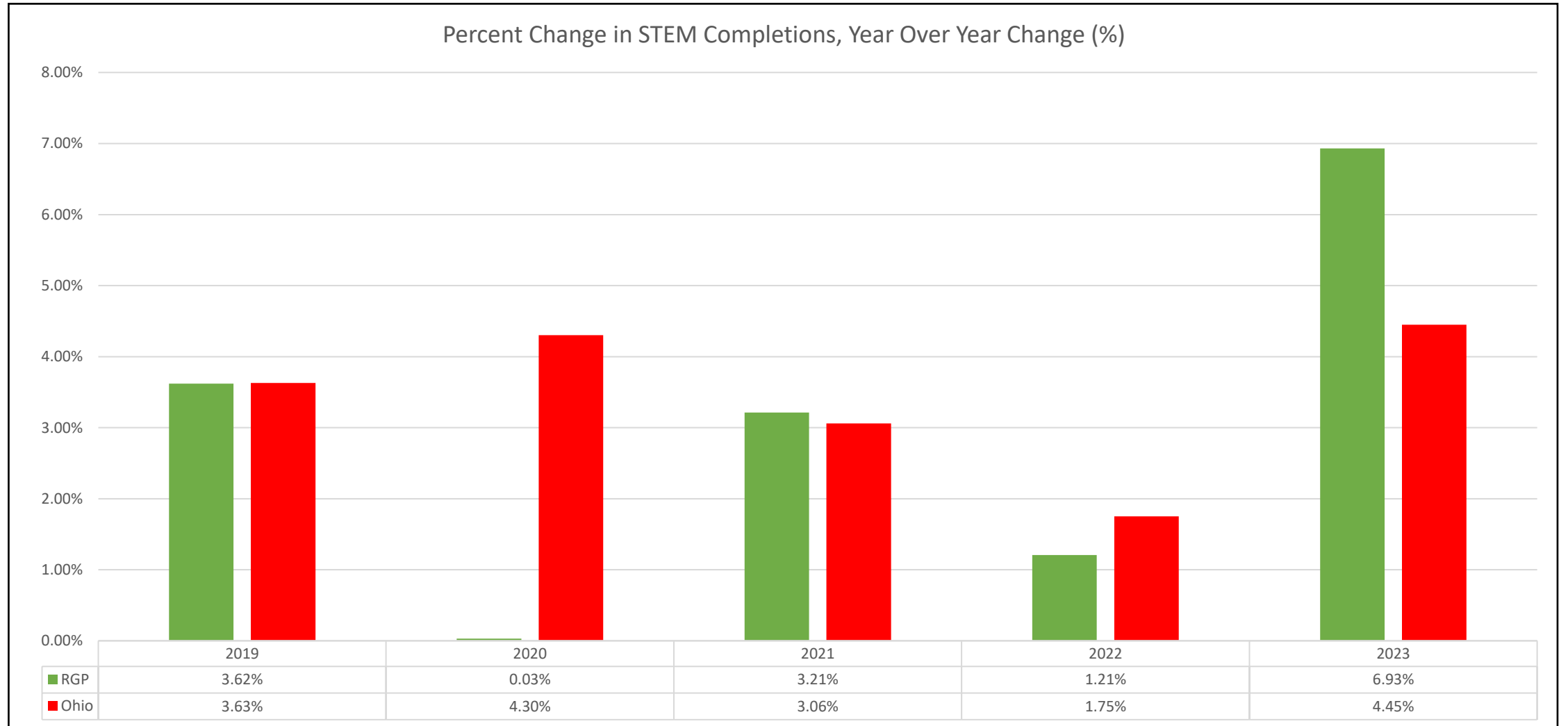
Private Wage Change, Year over Year (% SA)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RGP	0.62%	1.32%	2.77%	0.12%	1.63%	1.19%	1.45%	2.69%	-0.52%	5.03%	4.19%	2.70%	2.32%	1.19%	4.58%
Ohio	0.88%	0.51%	2.70%	1.54%	0.58%	1.84%	2.59%	0.80%	1.60%	3.93%	3.06%	3.61%	1.79%	2.40%	3.14%

STEM Degree Completions in Northwest Ohio have Increased Over the Last 5 Years

➢ There were ~12% more STEM completions in 2023 than 2019 in Northwest Ohio.

STEM Completions, Year Over Year (Count)

2019: 3,206
2020: 3,207
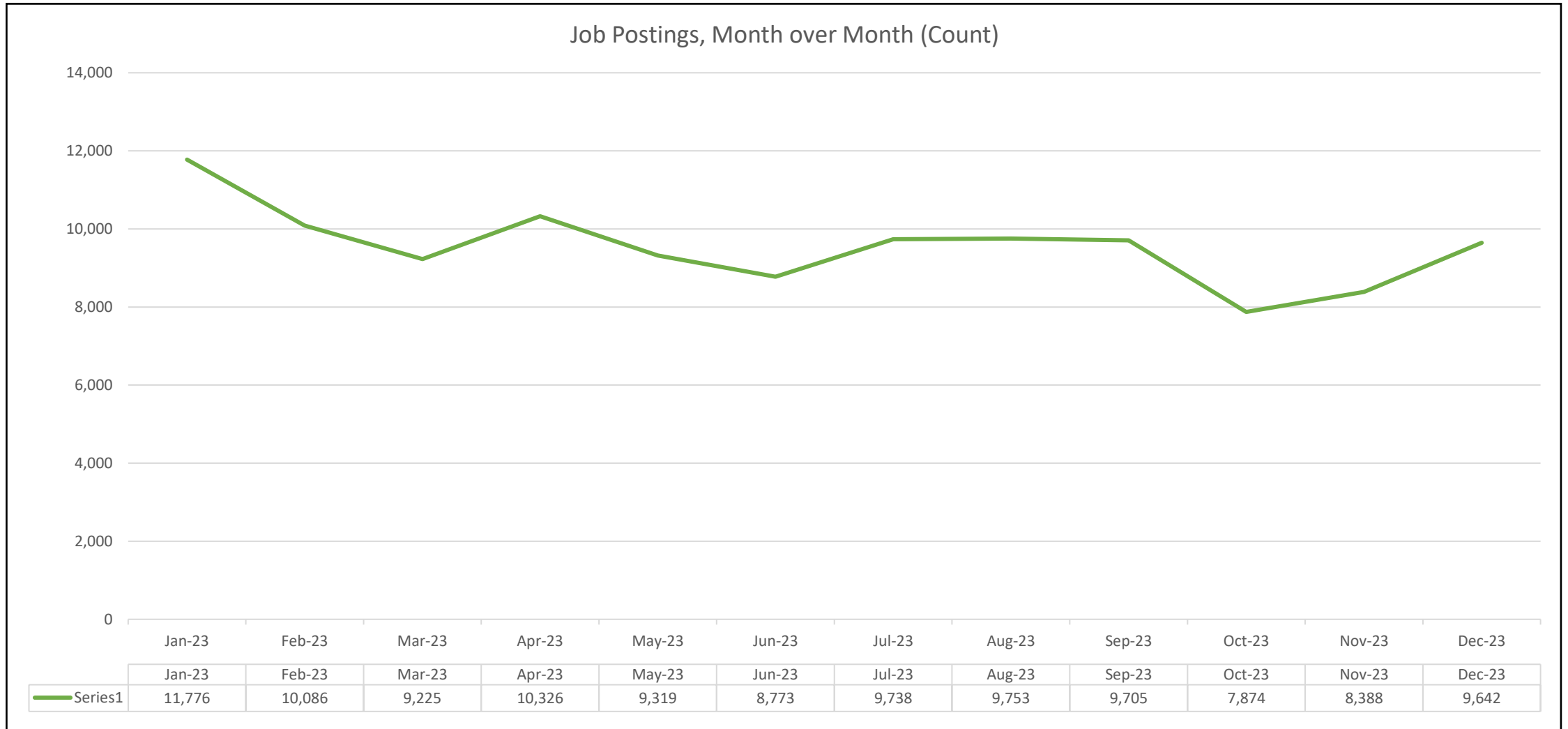2021: 3,310
2022: 3,350
2023: 3,582

RGP
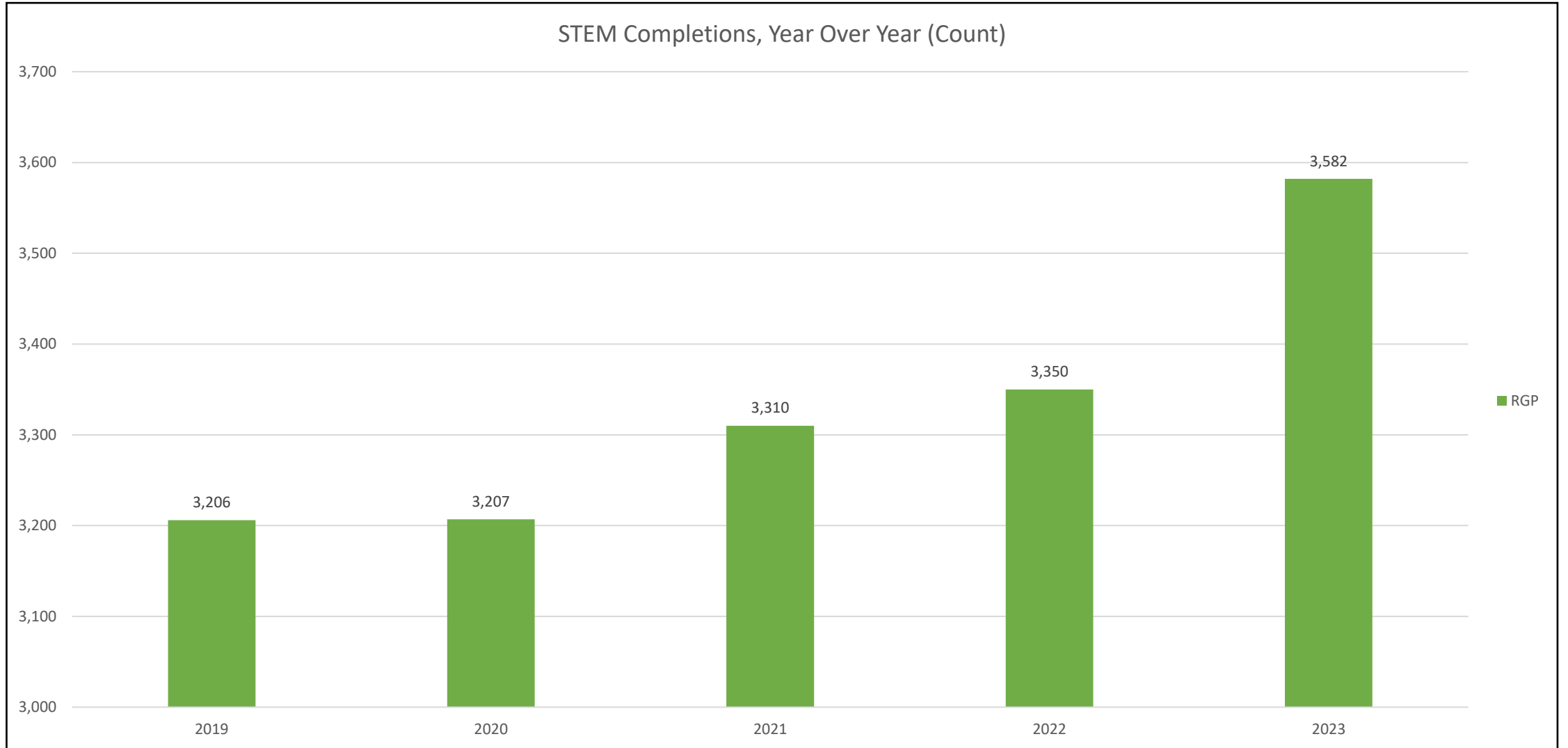
Regional STEM Completions are Increasing at a Slower Rate

➤ Northwest Ohio has seen an 11.7% increase in STEM completions from 2019, and the state of Ohio has seen a 14.2% increase over that same time.

Percent Change in STEM Completions, Year Over Year Change (%)

	2019	2020	2021	2022	2023
RGP	3.62%	0.03%	3.21%	1.21%	6.93%
Ohio	3.63%	4.30%	3.06%	1.75%	4.45%

Monthly Jobs Postings are Trending Downwards

Job Postings, Month over Month (Count)

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Series1	11,776	10,086	9,225	10,326	9,319	8,773	9,738	9,753	9,705	7,874	8,388	9,642

More White-Collar Workers are Coming to Northwest Ohio

➢ There were a total of ~287K white collar workers in NW OH in 2023, which is ~48% of the regional workforce.
➢ Despite the difference in the absolute value of white-collar employment between the region and the state, the % change in white collar employment has kept pace with statewide levels.

Percent Change in White Collar Workers, Year Over Year (%)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RGP	0.08%	0.16%	-0.21%	-1.40%	-2.51%	-4.79%	0.09%	0.32%	1.62%	-0.28%	0.52%	1.47%	0.98%	-0.35%	-0.05%	0.00%	-4.06%	1.96%	1.20%	0.56%
Ohio	-0.06%	0.35%	0.08%	0.14%	-0.94%	-3.74%	-0.30%	1.38%	1.73%	0.45%	1.00%	1.52%	1.00%	0.60%	0.52%	0.19%	-3.29%	1.65%	1.84%	0.80%

RGP — Ohio

Source: Lightcast

RGP NORTHWEST OHIO

Macroeconomic Dashboard - *Sourcing*

People

Employment Concentration

This is the yearly change in the concentration of employment across all RGP counties and the state of Ohio. The employment concentration is also known as the Location Quotient (LQ). This measurement looks at the concentration of employed workers in a region relative to the national average. A score of 1 means that that industry or occupation makes up the same percentage of the local market as it does the national market. A score of greater than 1 means the industry accounts for a larger than average share of total workers.

Lightcast using data from the QCEW (Quarterly Census of Employment and Wages) and Ohio Department of Job and Family Services

Unemployment Rate

The labor force and unemployment data are based on the same concepts and definitions as those used for the Current Population Survey (CPS), a sample survey of households that is conducted for the Bureau of Labor Statistics (BLS) by the U.S. Census Bureau.

The LAUS program measures employment and unemployment on a place-of-residence basis. The universe the civilian noninstitutional population 16 years of age and over. The information is collected from a sample of about 50,000 households located in 792 sample areas.

Unemployed persons are those who were not employed during the reference week, had actively looked for a job sometime in the 4-week period ending with the reference week, and were currently available for work; persons on layoff expecting recall need not be looking for work to be counted as unemployed. This is a Quarter-over-Quarter comparison.

Bureau of Labor Statistics, LAUS. Ohio Department of Job and Family Services. Accessed through Federal Reserve Bank of St. Louis, Federal Reserve Economic Data (FRED)

Labor Force Size

The labor force size is the number of individuals in the civilian noninstitutional population 16 years and older that is working or actively looking for work.

It is an important labor market measure because it represents the amount of labor resources available for the production of goods and services. This is a Year-over-Year comparison.

Bureau of Labor Statistics, LAUS

Population

All people, male and female, child and adult, living in a given geographic area. The resident population of the United States includes persons resident in the 50 States and the District of Columbia. An area's resident population consists of those persons "usually resident" in that particular area (where they live and sleep most of the time). The resident population excludes people whose usual residence is outside of the United States, such as the U.S. military and federal civilian personnel living overseas (and their dependents living with them), as well as private U.S. citizens living overseas. This is a Year-over-Year comparison.

U.S. Census Bureau, 2022 Annual Estimates of the Population for Counties and 2022 Annual Estimates of the Population for the U.S. and States, and for Puerto Rico

Net Migration

The difference between internal in-migration to an area and internal out-migration from the same area during a time period. Internal in- and out-migration consist of moves where both the origin and the destination are with in the United States (excluding Puerto Rico). The net internal migration rate expresses net internal migration during a time period as a percentage of an area's population at the midpoint of the time period. This is a Year-over-Year comparison.

Lightcast using IRS Migration Data

Macroeconomic Dashboard - Sourcing

RGP NORTHWEST OHIO

Prosperity

Toledo MSA Real Gross Domestic Product (in Millions)	RGP Industry Employment	Toledo MSA GDP Per Capita	Manufacturing Job Growth	Private Salaries

Real Gross Domestic Product is the inflation-adjusted value of goods and services produced by the labor and property located in an area based on the national prices for goods and services.

Percent Change from Preceding Period in Real Gross Domestic Product, by State and MSA, not seasonally adjusted at annual rates. This is a Year-over-Year comparison.

Employment by RGP target industry NAICS Codes.

5 Key Industries explored by RGP: Advanced Manufacturing, Automotive, Energy, Food Processing, and Logistics & Distribution using assigned NAICS codes. Year over Year change regarding total industry employment used.

Gross Domestic Product per Capita= GDP/ Private nonfarm employment. This is a Year-over-Year comparison.

Private nonfarm employment: Manufacturing (Number of jobs). This is a Year-over-Year comparison.

Median Annual salary for all private employees in RGP region and Ohio. Median salary chosen to limit potential bias that could occur from using average in the case of outliers (unusually high or low annual salaries).

U.S. Bureau of Economic Analysis via FRED

Lightcast Q1 2024 Data. RGP designated Industries.

U.S. Bureau of Economic Analysis via FRED

Lightcast Q1 2024 Data

Lightcast Q1 2024 Data

Macroeconomic Dashboard - Sourcing

RGP NORTHWEST OHIO

Potential

STEM Jobs	STEM Educational Completions	Business Establishments	Job Postings	White Collar jobs

SOC codes determined by the U.S. Bureau of Labor Statistics. This is a Year-over-Year comparison.

Completions includes certificates, Associate's Degrees, Bachelor's Degrees, Master's Degrees, Doctor's Degrees. This is a Year-over-Year comparison.   STEM CIP (program codes) determined by US Department of Homeland Security.

Count of business establishments by county. This is a Quarter Over Quarter Comparison.

Regional unique job postings by NAICS codes across all industries. This is a Year over Year comparison.

SOC codes determined by the U.S. Bureau of Labor Statistics. This is a Year-over-Year comparison.

Lightcast Q1 2024 Data

U.S. Department of Education, Nation Center for Educational Statistics, via Emsi.

U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages accessed via FRED and Ohio Labor Market Information QCEW Data Search

Lightcast Q1 2024 Data

Lightcast Q1 2024 Data

Last Updated: 4/1/2022