

# Shift Share Analysis of Employment and Wages for Polk County

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## Overview

Polk County saw significant private sector employment growth from Q1 2019 through Q1 2023, adding just under 32,000 jobs (16.2% growth) during the period. This is particularly strong when compared to the national growth which saw an increase of only 4.0% during the same period. The difference in growth between the nation and county accounted for nearly 24,000 jobs locally. Wages have also improved overall, with 24.5% growth to an average weekly wage of \$1,041. This, however, just barely outpaced by the growth of wages nationally which grew by 24.2%. Overall, Polk County had strong jobs growth, with similar wage growth, relative to the nation.

While the economy has mostly stabilized, there continues to be a tight labor market and an ongoing fight to keep inflation down. It is expected that the efforts to control inflation will put pressure on the economy and it is still uncertain whether this will start impacting the labor market. Despite all of this, the local job market remains strong.

Using Shift Share Analysis, we are able to see a breakdown of what sectors and subsectors were responsible for the job growth, above and beyond what would have been expected. The growth can be broken down into 3 components:

1. The National Component – how many jobs would have been created if, at the county level, the sector grew at the overall national average (4.0% in the study period).
2. The Industry Component – the difference in job creation between the overall national average and the sector, at the national average.
3. The Local Component – the difference in job creation between the actual local employment change and what would have been expected given the overall national and industry growth.

To see how Polk County has fared, it is important to separate out the Local Component from the overall job growth. This was studied down to the 3-digit NAICS subsector level.

At the 2-digit level, we saw strong local growth from:

- Transportation and Warehousing (42.5%)
- Finance and Insurance (16.9%)
- Real Estate and Rental and Leasing (15.4%)
- Utilities (15.3%)
- Administrative and Waste Services (13.6%)
- Accommodation and Food Services (13.6%)

- Retail Trade (12.1%)

We saw moderate growth from:

- Construction (9.9%)
- Management of Companies and Enterprises (9.6%)
- Other Service, Except Public Administration (9.0%)
- Educational Services (8.5%)
- Health Care and Social Assistance (8.3%)
- Manufacturing (7.9%)

We saw zero growth or shrinking from:

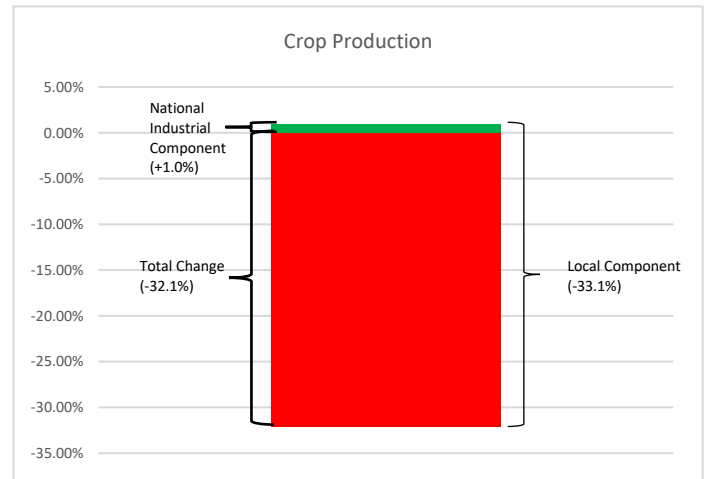
- Agriculture, Forestry, Fishing and Hunting (-25.2%)
- Arts, Entertainment, and Recreation (-7.5%)
- Mining, Quarrying, and Oil and Gas Extraction (-7.3%)
- Information (-2.1%)
- Wholesale Trade (-1.9%)
- Professional and Technical Services (0%)

There can be much variation among the 3-digit subsectors within each sector. Analyzing this data may shed light on where the growth came from and how the growth in some areas compares to the losses in others. It is also worth considering the impact to the local economy of the jobs gained and lost. Two measures we can look at are Location Quotient (LQ) and average wages. LQs greater than 1 represent industries that have basic jobs for the Polk County economy, where basic jobs are ones above and beyond those necessary to meet the average demand for goods from that subsector given the population of the county. In other words, the basic jobs are the ones that produce the goods and services we “export” outside of the county, bringing outside money in. High LQ subsectors provide significant economic benefit to our county by bringing that outside money in. It is also worthwhile to study the changes to average wages in the subsectors. To do this, we can also conduct a Shift Share Analysis on the wages at the subsector level.

## Industry Summaries

### Agriculture

Within Agriculture, the most significant losses come from Crop Production, which lost 407 jobs in Polk County. This has a somewhat mitigated impact due to the lower than average wages (\$756 weekly). Wages for the sector as a whole were up slightly and slightly behind wage growth for the industry (local component of -2.4%).



### Mining, Quarrying, and Oil and Gas Extraction

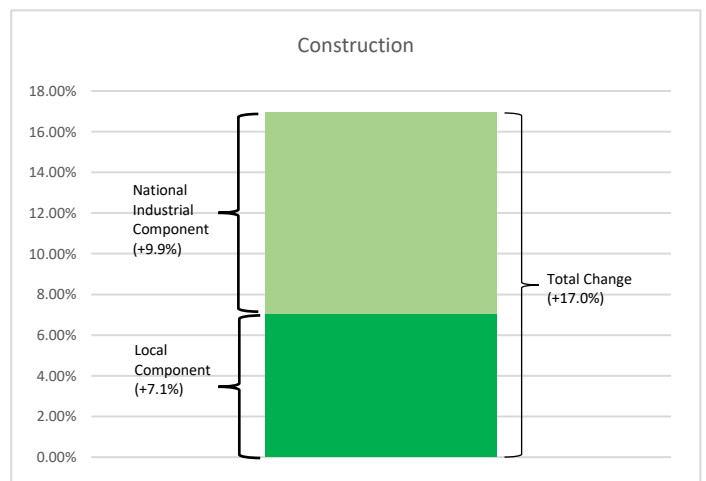
There were 650 jobs in Mining, Quarrying, and Oil and Gas Extraction. These jobs are less impactful with a LQ of .66, however they have wages of \$2,199 per week.

### Utilities

Within Utilities there was meaningful growth for jobs (+18.5% overall, 15.3% more than at the national level), with wages outpacing national growth for the industry by 1.9%. Despite the relatively small size of the private Utility sector, these jobs are among our highest wage jobs with weekly wages of \$2,823. Continued growth here would create a meaningful economic impact.

### Construction

The time-period under review saw a significant uptick in construction activity as building activity picked up with significant demand throughout 2021 and 2022, and the interest rate hikes we are currently experiencing only began impacting the market in 2023. Overall, construction jobs are up 17.0%, with local growth stronger than national industrial growth by 9.9%. Wages for the industry locally are up as well (+27.1%) with Polk County outperforming the national industry averages (+6.5%). Higher interest rates may continue to put pressure on the construction industry going forward and we will likely see slower growth and reduced builder confidence in the near term. This should abate once the Federal Reserve begins pulling back on interest rates.



## Manufacturing

In Manufacturing, Polk County grew while jobs remained nearly flat nationally (+8.6% in the county, 0.7% nationally, for a local factor of +7.9%). There is, however, meaningful variation within the sector. The largest growth came from Nonmetallic Mineral Production Manufacturing and Food Manufacturing which added 372 and 671 jobs, respectively. Nonmetallic Mineral Production Manufacturing pays above average wages (\$1,520 weekly) with a LQ of 3.2 while Food Manufacturing pays an average wage (\$1,270 weekly) with a LQ of 2.7. Both subsectors provide Basic Jobs and have a wage above the county's average.

## Wholesale Trade

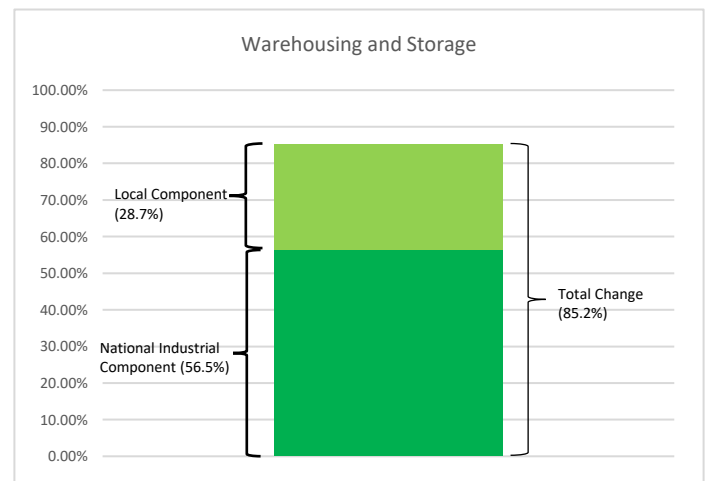
Wholesale Trade employment grew by 1.4%, underperforming national growth with a local growth component of -1.9%. The additional jobs came from Merchant Wholesalers, Durable Goods, which added 486 jobs while the Nondurable Goods subsector lost 344 jobs. Wholesale Trade jobs carried an average wage of \$1,555 per week.

## Retail Trade

Within the Retail Trade sector, there was significant variation among 3-digit classifications. It should also be noted that the NAICS classification system made changes to some of the classifications for 2022, so while current jobs are considered accurate the changes at the 3-digit level are only approximations. Overall, Retail Trade grew by 11.4%, adding 3,248 jobs, while jobs shrank nationally in the industry, leading to a local component of +12.1%. Among Retail Trade, the only subsector with above average wages is the Motor Vehicle and Parts Dealers (\$1,275 weekly), they experienced solid wage growth locally (+5.8%).

## Transportation and Warehousing

Job growth for Transportation and Warehousing outpaced the national industrial average by a wide margin (local component of +42.5%) and was responsible for over 11,000 new jobs since 2019. Warehousing and Storage jobs outperformed national industrial growth (local component of 28.7%) and added just over 9,000 jobs overall. Warehousing and Storage continues to bolster the county's strong position in the industry with an LQ of 6.4. The next largest contribution from that industry was from Truck Transportation, which added over 1,200 jobs with a local growth component of 17.7%. These jobs are particularly important as the Truck Transportation weekly wages (\$1,269) are above the county average.



## **Information**

The Information sector added 94 jobs, but grew at a slower pace than the national average (-2.2% local component), with much of the growth coming from the Telecommunications subsector which added 294 jobs. With a LQ of 1.1 and above average wage (\$1,168 weekly), Telecommunications is of growing importance to the county. Job losses in the industry can primarily be attributed to Publishing and Broadcasting, which lost 115 and 86 jobs, respectively.

## **Finance and Insurance**

The net job gain in Finance and Insurance was substantial (+21.7%, for nearly 2000 jobs) with a significant local component (+16.9%). The growth was driven mainly by Insurance Carriers and Related Activities, where 1,320 new jobs were added. The gains in insurance are more impactful with a LQ of 1.7 with above average wages (\$1,340 weekly). Wage growth in the sector lagged the national trend with local component of -8.7% and overall growth of 15.1% to an average of \$1,593 per week.

## **Real Estate and Rental and Leasing**

Real Estate and Rental and Leasing outperformed the national industrial employment growth (local component +15.4%), supported by growth at the Real Estate subsector level (local growth component +10.7%). This is of relatively low impact as the LQ is below 1 and the average weekly wages (\$859) are below the county average.

## **Professional and Technical Services**

Professional and Technical Services is in line with the national industrial employment growth pace (local component -0.0%) but remains a low impact portion of the economy with a LQ of 0.5, however the wages (\$1,323 weekly) are above county averages.

## **Management of Companies and Enterprises**

Management of Companies and Enterprises outpaced the national industrial employment growth (local component +9.6%) and remains a high impact (LQ 1.6) and high wage (\$1,823 weekly) industry for the county.

## **Administrative and Waste Services**

Locally, Administrative and Waste Services outpaced national industrial employment averages (local component +13.6%). The impact of this sector is increasing as the LQ remains above 1.0, however, the wages (\$808) are below county averages.

## **Educational Services**

Employment growth in Educational Services outpaced national industrial averages (local component +8.5%), while wages grew more slowly (-1.1%) as compared to wage changes around the nation.

## Health Care and Social Assistance

While employment growth in Nursing and Residential Care Facilities outpaced national industrial averages (local component of +1.9%) it fell overall (-326 jobs). We also had relative growth in Ambulatory Health Care Services, and Hospitals (local components of +12.9%, and 10.7%, respectively). The gains from Ambulatory Health Care Services outweigh the losses elsewhere as these jobs carry a higher wage (\$1,295) and similar or better LQ to the other health services subsectors. Wage growth in the Ambulatory Health Care Services, however, is lagging national growth (-8.4% local component) as compared to national industrial averages.

## Arts, Entertainment, and Recreation

Overall, the industry lost jobs overall (-6.5%, for 276 jobs lost) and underperformed as compared to national industrial averages (local component of -7.5%). This was driven mainly by job losses in the Performing Arts, Spectator Sports, and Related Industries subsector (-173 jobs) and while Amusements, Gambling and Recreation (-189 jobs). The impact of the job losses in the Amusements, Gambling and Recreation subsector is less impactful due to the lower wages (\$640 weekly), however the losses in Performing Arts, Spectator Sports, and Related Industries subsector is meaningful as the wages are higher than average (\$1,426 weekly).

## Accommodation and Food Services

Accommodation and Food Services were in recovery mode, gaining 2,548 jobs overall and outperforming the national recovery (local component of +13.6%, overall gain of 12.5%). Overall wage growth in the subsector was positive and outpaced national wage growth (local component of +6.7%). The county remains underserved by Accommodations (LQ of 0.8) but is continuing to make gains (LQ also improved from .6 to .7 from 2021 to 2022).



## Other Services, Except Public Administration

Employment in Other Services, Except Public Administration outpaced national industrial averages (local component of +9.0%), with meaningful gains coming from all subsectors except the Private Household subsector (-125 job losses overall). The gains in the Repair and Maintenance subsector (279 jobs) are also impactful with an LQ of 1.3 and wages above the county average (\$1,084 weekly).

The tables including the full Shift Share analysis on employment and wages at the 2-digit and 3-digit levels are included on the pages that follow.

### Shift Share Analysis of Employment (Q1 2023 - Q1 2019)

	Employment (2023)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>10 Total, all industries</b>	<b>229,951</b>	<b>31,985</b>	<b>16.16%</b>	<b>7,994</b>	<b>4.04%</b>			<b>23,991</b>	<b>12.12%</b>	<b>1.04</b>
102 Service-providing	193,362	29,167	17.76%	6,630	4.04%	631	0.38%	21,906	13.34%	1.05
101 Goods-producing	36,589	2,817	8.34%	1,364	4.04%	-615	-1.82%	2,069	6.13%	0.97
<b>NAICS 11 Agriculture, forestry, fishing and hunting</b>	<b>1,924</b>	<b>-670</b>	<b>-25.82%</b>	<b>105</b>	<b>4.04%</b>	<b>-122</b>	<b>-4.70%</b>	<b>-653</b>	<b>-25.16%</b>	<b>1.05</b>
NAICS 111 Crop production	861	-407	-32.11%	51	4.04%	-39	-3.05%	-420	-33.09%	1.04
NAICS 112 Animal production and aquaculture	249	13	5.65%	10	4.04%	-7	-3.01%	11	4.62%	0.54
NAICS 115 Support activities for agriculture and forestry	799	-278	-25.81%	43	4.04%	-76	-7.07%	-245	-22.78%	1.63
<b>NAICS 21 Mining, quarrying, and oil and gas extraction</b>	<b>650</b>	<b>-190</b>	<b>-22.65%</b>	<b>34</b>	<b>4.04%</b>	<b>-163</b>	<b>-19.37%</b>	<b>-62</b>	<b>-7.32%</b>	<b>0.66</b>
NAICS 212 Mining (except oil and gas)	632	-98	-13.42%	29	4.04%	-54	-7.43%	-73	-10.03%	2.04
<b>NAICS 22 Utilities</b>	<b>698</b>	<b>109</b>	<b>18.51%</b>	<b>24</b>	<b>4.04%</b>	<b>-5</b>	<b>-0.88%</b>	<b>90</b>	<b>15.34%</b>	<b>0.72</b>
NAICS 221 Utilities	698	109	18.51%	24	4.04%	-5	-0.88%	90	15.34%	0.72
<b>NAICS 23 Construction</b>	<b>14,850</b>	<b>2,153</b>	<b>16.95%</b>	<b>513</b>	<b>4.04%</b>	<b>383</b>	<b>3.02%</b>	<b>1,256</b>	<b>9.90%</b>	<b>1.14</b>
NAICS 236 Construction of buildings	2,617	499	23.54%	86	4.04%	96	4.55%	317	14.95%	0.86
NAICS 237 Heavy and civil engineering construction	1,547	243	18.67%	53	4.04%	2	0.19%	188	14.45%	0.89
NAICS 238 Specialty trade contractors	10,686	1,411	15.21%	375	4.04%	286	3.09%	750	8.08%	1.30
<b>NAICS 31-33 Manufacturing</b>	<b>19,165</b>	<b>1,525</b>	<b>8.64%</b>	<b>712</b>	<b>4.04%</b>	<b>-585</b>	<b>-3.22%</b>	<b>1,398</b>	<b>7.92%</b>	<b>0.88</b>
NAICS 311 Food manufacturing	5,218	671	14.77%	184	4.04%	106	2.33%	382	8.40%	1.78
NAICS 312 Beverage and tobacco product manufacturing	351	91	35.17%	10	4.04%	36	13.68%	45	17.46%	0.63
NAICS 314 Textile product mills	112	53	89.27%	2	4.04%	-9	-14.64%	59	99.87%	0.64
NAICS 315 Apparel manufacturing	20	10	100.00%	0	4.04%	-2	-22.19%	12	118.15%	0.13
NAICS 321 Wood product manufacturing	1,703	-161	-8.65%	75	4.04%	-4	-0.22%	-233	-12.48%	2.41
NAICS 322 Paper manufacturing	655	1	0.15%	26	4.04%	-32	-4.85%	6	0.96%	1.06
NAICS 323 Printing and related support activities	569	-40	-6.52%	25	4.04%	-97	-15.94%	33	5.39%	0.86
NAICS 325 Chemical manufacturing	2,223	62	2.89%	87	4.04%	39	1.82%	-64	-2.97%	1.46
NAICS 326 Plastics and rubber products manufacturing	1,012	-36	-3.40%	42	4.04%	-31	-2.97%	-47	-4.47%	0.80
NAICS 327 Nonmetallic mineral product manufacturing	1,440	372	34.83%	43	4.04%	-38	-3.53%	367	34.32%	2.05
NAICS 331 Primary metal manufacturing	559	204	57.67%	14	4.04%	-29	-8.31%	219	61.94%	0.87
NAICS 332 Fabricated metal product manufacturing	1,818	359	24.64%	59	4.04%	-107	-7.32%	407	27.92%	0.74
NAICS 333 Machinery manufacturing	1,306	-31	-2.34%	54	4.04%	-58	-4.34%	-27	-2.04%	0.72
NAICS 334 Computer and electronic product manufacturing	151	2	1.35%	6	4.04%	-1	-0.90%	-3	-1.79%	0.08
NAICS 335 Electrical equipment, appliance, and component ma	69	-32	-31.80%	4	4.04%	-2	-1.79%	-35	-34.06%	0.10
NAICS 336 Transportation equipment manufacturing	612	56	10.14%	22	4.04%	-18	-3.25%	52	9.35%	0.20
NAICS 337 Furniture and related product manufacturing	193	29	17.92%	7	4.04%	-17	-10.55%	40	24.43%	0.30
NAICS 339 Miscellaneous manufacturing	889	-116	-11.57%	41	4.04%	-15	-1.53%	-142	-14.08%	0.84
<b>NAICS 42 Wholesale trade</b>	<b>9,969</b>	<b>142</b>	<b>1.44%</b>	<b>397</b>	<b>4.04%</b>	<b>-66</b>	<b>-0.67%</b>	<b>-190</b>	<b>-1.93%</b>	<b>0.96</b>
NAICS 423 Merchant wholesalers, durable goods	5,275	486	10.15%	193	4.04%	83	1.74%	209	4.37%	0.92
NAICS 424 Merchant wholesalers, nondurable goods	4,073	-344	-7.79%	178	4.04%	-116	-2.62%	-407	-9.21%	1.09
NAICS 425 Wholesale trade agents and brokers	621	0	-0.05%	25	4.04%	-45	-7.22%	19	3.13%	0.72
<b>NAICS 44-45 Retail trade</b>	<b>31,799</b>	<b>3,248</b>	<b>11.38%</b>	<b>1,153</b>	<b>4.04%</b>	<b>-1,355</b>	<b>-4.75%</b>	<b>3,450</b>	<b>12.08%</b>	<b>1.21</b>
NAICS 441 Motor vehicle and parts dealers	6,035	845	16.27%	210	4.04%	-210	-4.05%	845	16.29%	1.76
NAICS 444 Building material and garden equipment and supplie	3,278	694	26.87%	104	4.04%	160	6.20%	430	16.64%	1.36
NAICS 445 Food and beverage retailers	6,691	1,327	24.75%	217	4.04%	73	1.35%	1,038	19.36%	1.20
NAICS 449 Furniture, home furnishings, electronics, and applia	1,641	150	10.08%	60	4.04%	-200	-13.38%	290	19.43%	1.11
NAICS 455 General merchandise retailers	7,106	-283	-3.83%	298	4.04%	44	0.59%	-625	-8.46%	1.32
NAICS 456 Health and personal care retailers	1,846	178	10.65%	67	4.04%	15	0.88%	96	5.73%	0.99
NAICS 457 Gasoline stations and fuel dealers	1,812	332	22.43%	60	4.04%	113	7.67%	159	10.73%	1.02
NAICS 458 Clothing, clothing accessories, shoe, and jewelry rel	1,508	-79	-5.00%	64	4.04%	-276	-17.42%	133	8.38%	0.78
NAICS 459 Sporting goods, hobby, musical instrument, book, a	1,883	292	18.35%	64	4.04%	80	5.04%	148	9.27%	0.74
<b>NAICS 48-49 Transportation and warehousing</b>	<b>30,055</b>	<b>11,496</b>	<b>61.94%</b>	<b>749</b>	<b>4.04%</b>	<b>2,859</b>	<b>15.40%</b>	<b>7,888</b>	<b>42.50%</b>	<b>2.76</b>
NAICS 481 Air transportation	66	43	184.29%	1	4.04%	1	4.12%	41	176.13%	0.07
NAICS 484 Truck transportation	7,191	1,238	20.79%	240	4.04%	-59	-0.98%	1,056	17.74%	2.70
NAICS 485 Transit and ground passenger transportation	89	23	35.35%	3	4.04%	-12	-17.70%	32	49.02%	0.11
NAICS 487 Scenic and sightseeing transportation	9	-24	-72.73%	1	4.04%	-6	-17.06%	-20	-59.70%	0.21
NAICS 488 Support activities for transportation	879	177	25.23%	28	4.04%	37	5.34%	111	15.84%	0.65
NAICS 492 Couriers and messengers	2,004	934	87.26%	43	4.04%	343	32.05%	548	51.17%	1.07
NAICS 493 Warehousing and storage	19,810	9,116	85.25%	432	4.04%	5,613	52.49%	3,072	28.72%	6.35

	Employment (2023)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>NAICS 51 Information</b>	<b>1,894</b>	<b>94</b>	<b>5.22%</b>	<b>73</b>	<b>4.04%</b>	<b>60</b>	<b>3.31%</b>	<b>-38</b>	<b>-2.12%</b>	<b>0.37</b>
NAICS 512 Motion picture and sound recording industries	178	-31	-14.70%	8	4.04%	-17	-8.28%	-22	-10.46%	0.26
NAICS 513 Publishing industries	323	-115	-26.22%	18	4.04%	98	22.44%	-230	-52.70%	0.20
NAICS 516 Broadcasting and content providers	51	-86	-62.62%	6	4.04%	39	28.73%	-131	-95.39%	0.08
NAICS 517 Telecommunications	1,233	294	31.25%	38	4.04%	-130	-13.84%	386	41.05%	1.11
NAICS 518 Computing infrastructure providers, data processing	95	39	68.64%	2	4.04%	23	40.46%	14	24.14%	0.12
NAICS 519 Web search portals, libraries, archives, and other in	13	-7	-34.43%	1	4.04%	-9	-46.57%	2	8.11%	0.04
<b>NAICS 52 Finance and insurance</b>	<b>10,898</b>	<b>1,943</b>	<b>21.70%</b>	<b>362</b>	<b>4.04%</b>	<b>70</b>	<b>0.78%</b>	<b>1,512</b>	<b>16.89%</b>	<b>1.01</b>
NAICS 522 Credit intermediation and related activities	3,229	639	24.65%	105	4.04%	-108	-4.18%	642	24.80%	0.72
NAICS 523 Securities, commodity contracts, and other financial	408	-41	-9.06%	18	4.04%	35	7.84%	-94	-20.95%	0.23
NAICS 524 Insurance carriers and related activities	7,220	1,320	22.37%	238	4.04%	173	2.94%	908	15.40%	1.65
<b>NAICS 53 Real estate and rental and leasing</b>	<b>3,749</b>	<b>634</b>	<b>20.37%</b>	<b>126</b>	<b>4.04%</b>	<b>28</b>	<b>0.90%</b>	<b>480</b>	<b>15.43%</b>	<b>0.93</b>
NAICS 531 Real estate	2,790	428	18.12%	95	4.04%	79	3.35%	254	10.74%	0.92
<b>NAICS 54 Professional, scientific, and technical services</b>	<b>8,226</b>	<b>955</b>	<b>13.13%</b>	<b>294</b>	<b>4.04%</b>	<b>663</b>	<b>9.11%</b>	<b>-2</b>	<b>-0.02%</b>	<b>0.45</b>
NAICS 541 Professional, scientific, and technical services	8,226	955	13.13%	294	4.04%	663	9.11%	-2	-0.02%	0.45
<b>NAICS 55 Management of companies and enterprises</b>	<b>6,989</b>	<b>927</b>	<b>15.29%</b>	<b>245</b>	<b>4.04%</b>	<b>99</b>	<b>1.63%</b>	<b>583</b>	<b>9.62%</b>	<b>1.63</b>
NAICS 551 Management of companies and enterprises	6,989	927	15.29%	245	4.04%	99	1.63%	583	9.62%	1.63
<b>NAICS 56 Administrative and support and waste management and</b>	<b>18,364</b>	<b>2,584</b>	<b>16.37%</b>	<b>637</b>	<b>4.04%</b>	<b>-205</b>	<b>-1.30%</b>	<b>2,151</b>	<b>13.63%</b>	<b>1.16</b>
NAICS 561 Administrative and support services	17,341	2,381	15.92%	604	4.04%	-253	-1.69%	2,031	13.57%	1.16
NAICS 562 Waste management and remediation services	1,023	202	24.64%	33	4.04%	52	6.38%	117	14.23%	1.23
<b>NAICS 61 Educational services</b>	<b>5,070</b>	<b>623</b>	<b>14.00%</b>	<b>180</b>	<b>4.04%</b>	<b>66</b>	<b>1.49%</b>	<b>377</b>	<b>8.47%</b>	<b>0.94</b>
NAICS 611 Educational services	5,070	623	14.00%	180	4.04%	66	1.49%	377	8.47%	0.94
<b>NAICS 62 Health care and social assistance</b>	<b>32,386</b>	<b>3,614</b>	<b>12.56%</b>	<b>1,162</b>	<b>4.04%</b>	<b>66</b>	<b>0.23%</b>	<b>2,386</b>	<b>8.29%</b>	<b>0.90</b>
NAICS 621 Ambulatory health care services	14,926	2,687	21.95%	494	4.04%	620	5.06%	1,573	12.85%	1.04
NAICS 622 Hospitals	9,298	1,009	12.18%	335	4.04%	-213	-2.57%	888	10.71%	1.05
NAICS 623 Nursing and residential care facilities	4,808	-326	-6.36%	207	4.04%	-632	-12.30%	98	1.91%	0.92
NAICS 624 Social assistance	3,353	244	7.85%	126	4.04%	161	5.17%	-42	-1.36%	0.45
<b>NAICS 71 Arts, entertainment, and recreation</b>	<b>3,968</b>	<b>-276</b>	<b>-6.50%</b>	<b>171</b>	<b>4.04%</b>	<b>-129</b>	<b>-3.05%</b>	<b>-318</b>	<b>-7.49%</b>	<b>1.05</b>
NAICS 711 Performing arts, spectator sports, and related indus	569	-173	-23.32%	30	4.04%	-11	-1.51%	-192	-25.84%	0.77
NAICS 712 Museums, historical sites, and similar institutions	268	86	47.34%	7	4.04%	-10	-5.31%	88	48.61%	1.00
NAICS 713 Amusement, gambling, and recreation industries	3,132	-189	-5.69%	134	4.04%	-109	-3.28%	-214	-6.45%	1.14
<b>NAICS 72 Accommodation and food services</b>	<b>22,978</b>	<b>2,548</b>	<b>12.47%</b>	<b>825</b>	<b>4.04%</b>	<b>-1,049</b>	<b>-5.14%</b>	<b>2,773</b>	<b>13.57%</b>	<b>0.99</b>
NAICS 721 Accommodation	2,247	664	41.95%	64	4.04%	-223	-14.10%	823	52.01%	0.75
NAICS 722 Food services and drinking places	20,731	1,884	10.00%	761	4.04%	-683	-3.62%	1,806	9.58%	1.03
<b>NAICS 81 Other services (except public administration)</b>	<b>6,114</b>	<b>482</b>	<b>8.55%</b>	<b>227</b>	<b>4.04%</b>	<b>-254</b>	<b>-4.51%</b>	<b>508</b>	<b>9.02%</b>	<b>0.81</b>
NAICS 811 Repair and maintenance	3,074	279	9.98%	113	4.04%	60	2.13%	107	3.82%	1.29
NAICS 812 Personal and laundry services	1,696	227	15.48%	59	4.04%	-66	-4.47%	234	15.91%	0.66
NAICS 813 Religious, grantmaking, civic, professional, and simi	1,100	100	10.04%	40	4.04%	-55	-5.54%	115	11.54%	0.47
NAICS 814 Private households	245	-125	-33.81%	15	4.04%	-114	-30.83%	-26	-7.03%	0.71
<b>NAICS 99 Unclassified</b>	<b>206</b>	<b>45</b>	<b>28.16%</b>	<b>7</b>	<b>4.04%</b>	<b>398</b>	<b>247.25%</b>	<b>-359</b>	<b>-223.13%</b>	<b>0.27</b>
NAICS 999 Unclassified	206	45	28.16%	7	4.04%	398	247.25%	-359	-223.13%	0.27



### Shift Share Analysis of Wages (Q1 2023 - Q1 2019)

	Avg Weekly Wage (2023)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>10 Total, all industries</b>	<b>1,041</b>	<b>205</b>	<b>24.52%</b>	<b>203</b>	<b>24.23%</b>			<b>2</b>	<b>0.29%</b>	<b>1.03</b>
102 Service-providing	994	194	24.25%	194	24.23%	12	1.48%	-12	-1.46%	1.01
101 Goods-producing	1,286	277	27.45%	244	24.23%	-60	-5.99%	93	9.22%	1.11
<b>NAICS 11 Agriculture, forestry, fishing and hunting</b>	<b>757</b>	<b>134</b>	<b>21.51%</b>	<b>151</b>	<b>24.23%</b>	<b>-2</b>	<b>-0.33%</b>	<b>-15</b>	<b>-2.39%</b>	<b>1.29</b>
NAICS 111 Crop production	756	186	32.63%	138	24.23%	12	2.08%	36	6.32%	1.47
NAICS 112 Animal production and aquaculture	637	-256	-28.67%	216	24.23%	-27	-3.00%	-446	-49.90%	0.54
NAICS 115 Support activities for agriculture and forestry	794	168	26.84%	152	24.23%	4	0.66%	12	1.95%	2.02
<b>NAICS 21 Mining, quarrying, and oil and gas extraction</b>	<b>2,199</b>	<b>324</b>	<b>17.28%</b>	<b>454</b>	<b>24.23%</b>	<b>-85</b>	<b>-4.53%</b>	<b>-45</b>	<b>-2.42%</b>	<b>0.71</b>
NAICS 212 Mining (except oil and gas)	2,201	177	8.75%	490	24.23%	-62	-3.06%	-251	-12.42%	3.20
<b>NAICS 22 Utilities</b>	<b>2,823</b>	<b>373</b>	<b>15.22%</b>	<b>594</b>	<b>24.23%</b>	<b>-266</b>	<b>-10.86%</b>	<b>46</b>	<b>1.86%</b>	<b>0.96</b>
NAICS 221 Utilities	2,823	373	15.22%	594	24.23%	-266	-10.86%	46	1.86%	0.96
<b>NAICS 23 Construction</b>	<b>1,116</b>	<b>238</b>	<b>27.11%</b>	<b>213</b>	<b>24.23%</b>	<b>-32</b>	<b>-3.61%</b>	<b>57</b>	<b>6.49%</b>	<b>1.26</b>
NAICS 236 Construction of buildings	1,291	344	36.33%	229	24.23%	-25	-2.69%	140	14.79%	0.99
NAICS 237 Heavy and civil engineering construction	1,371	234	20.58%	275	24.23%	-61	-5.40%	20	1.75%	1.02
NAICS 238 Specialty trade contractors	1,036	210	25.42%	200	24.23%	-28	-3.34%	38	4.54%	1.45
<b>NAICS 31-33 Manufacturing</b>	<b>1,441</b>	<b>323</b>	<b>28.89%</b>	<b>271</b>	<b>24.23%</b>	<b>-72</b>	<b>-6.47%</b>	<b>124</b>	<b>11.13%</b>	<b>1.06</b>
NAICS 311 Food manufacturing	1,270	291	29.72%	237	24.23%	-2	-0.23%	56	5.73%	2.73
NAICS 312 Beverage and tobacco product manufacturing	966	44	4.77%	223	24.23%	-114	-12.41%	-65	-7.04%	0.73
NAICS 314 Textile product mills	940	318	51.13%	151	24.23%	-20	-3.19%	187	30.09%	0.87
NAICS 315 Apparel manufacturing	484	-12	-2.42%	120	24.23%	0	-0.03%	-132	-26.61%	0.09
NAICS 321 Wood product manufacturing	1,156	452	64.20%	171	24.23%	64	9.14%	217	30.83%	3.22
NAICS 322 Paper manufacturing	1,887	512	37.24%	333	24.23%	-152	-11.04%	331	24.05%	1.78
NAICS 323 Printing and related support activities	867	126	17.00%	180	24.23%	-48	-6.50%	-5	-0.73%	0.95
NAICS 325 Chemical manufacturing	2,137	279	15.02%	450	24.23%	-217	-11.71%	46	2.49%	1.66
NAICS 326 Plastics and rubber products manufacturing	1,793	743	70.76%	254	24.23%	-34	-3.23%	523	49.77%	1.57
NAICS 327 Nonmetallic mineral product manufacturing	1,520	270	21.60%	303	24.23%	-45	-3.60%	12	0.97%	3.19
NAICS 331 Primary metal manufacturing	2,195	953	76.73%	301	24.23%	-18	-1.47%	670	53.97%	1.55
NAICS 332 Fabricated metal product manufacturing	1,288	228	21.51%	257	24.23%	-49	-4.60%	20	1.88%	1.00
NAICS 333 Machinery manufacturing	1,409	210	17.51%	290	24.23%	-123	-10.23%	42	3.52%	0.79
NAICS 334 Computer and electronic product manufacturing	1,456	225	18.28%	298	24.23%	-72	-5.82%	-2	-0.13%	0.06
NAICS 335 Electrical equipment, appliance, and component ma	1,303	284	27.87%	247	24.23%	-71	-6.96%	108	10.60%	0.11
NAICS 336 Transportation equipment manufacturing	823	-18	-2.14%	204	24.23%	-96	-11.38%	-126	-14.99%	0.13
NAICS 337 Furniture and related product manufacturing	959	325	51.26%	154	24.23%	-31	-4.85%	202	31.89%	0.40
NAICS 339 Miscellaneous manufacturing	1,198	263	28.13%	227	24.23%	-92	-9.87%	129	13.77%	0.88
<b>NAICS 42 Wholesale trade</b>	<b>1,555</b>	<b>335</b>	<b>27.46%</b>	<b>296</b>	<b>24.23%</b>	<b>23</b>	<b>1.89%</b>	<b>16</b>	<b>1.34%</b>	<b>1.04</b>
NAICS 423 Merchant wholesalers, durable goods	1,648	329	24.94%	320	24.23%	25	1.88%	-15	-1.17%	1.06
NAICS 424 Merchant wholesalers, nondurable goods	1,480	344	30.28%	275	24.23%	24	2.14%	45	3.92%	1.19
NAICS 425 Wholesale trade agents and brokers	1,260	198	18.64%	257	24.23%	25	2.34%	-84	-7.93%	0.49
<b>NAICS 44-45 Retail trade</b>	<b>754</b>	<b>195</b>	<b>34.88%</b>	<b>135</b>	<b>24.23%</b>	<b>15</b>	<b>2.66%</b>	<b>45</b>	<b>8.00%</b>	<b>1.60</b>
NAICS 441 Motor vehicle and parts dealers	1,275	373	41.35%	219	24.23%	103	11.37%	52	5.76%	2.44
NAICS 444 Building material and garden equipment and supplie	859	294	52.04%	137	24.23%	1	0.23%	156	27.58%	1.97
NAICS 445 Food and beverage retailers	503	93	22.68%	99	24.23%	8	1.84%	-14	-3.39%	1.40
NAICS 449 Furniture, home furnishings, electronics, and applia	948	285	42.99%	161	24.23%	67	10.16%	57	8.60%	1.30
NAICS 455 General merchandise retailers	625	141	29.13%	117	24.23%	69	14.25%	-45	-9.35%	1.73
NAICS 456 Health and personal care retailers	756	59	8.46%	169	24.23%	-37	-5.29%	-73	-10.47%	1.12
NAICS 457 Gasoline stations and fuel dealers	550	144	35.47%	98	24.23%	101	24.86%	-55	-13.61%	1.23
NAICS 458 Clothing, clothing accessories, shoe, and jewelry ret	435	110	33.85%	79	24.23%	68	20.81%	-36	-11.19%	0.73
NAICS 459 Sporting goods, hobby, musical instrument, book, a	555	169	43.78%	94	24.23%	83	21.38%	-7	-1.82%	0.81
<b>NAICS 48-49 Transportation and warehousing</b>	<b>966</b>	<b>112</b>	<b>13.11%</b>	<b>207</b>	<b>24.23%</b>	<b>-85</b>	<b>-9.95%</b>	<b>-10</b>	<b>-1.16%</b>	<b>3.03</b>
NAICS 481 Air transportation	1,267	395	45.30%	211	24.23%	-145	-16.65%	329	37.72%	0.06
NAICS 484 Truck transportation	1,269	308	32.05%	233	24.23%	-3	-0.29%	78	8.11%	3.88
NAICS 485 Transit and ground passenger transportation	1,043	607	139.22%	106	24.23%	-110	-25.20%	611	140.20%	0.20
NAICS 487 Scenic and sightseeing transportation	624	127	25.55%	120	24.23%	-12	-2.46%	19	3.79%	0.24
NAICS 488 Support activities for transportation	1,288	251	24.20%	251	24.23%	-1	-0.08%	1	0.06%	0.82
NAICS 492 Couriers and messengers	790	103	14.99%	166	24.23%	-64	-9.32%	1	0.08%	1.23
NAICS 493 Warehousing and storage	858	58	7.25%	194	24.23%	-32	-3.98%	-104	-12.99%	7.69

	Avg Weekly Wage (2023)	Total Change		National Component		Industry Component		Local Component		Location Quotient
		Change	Percentage	Change	Percentage	Change	Percentage	Change	Percentage	
<b>NAICS 51 Information</b>	<b>1,238</b>	<b>289</b>	<b>30.45%</b>	<b>230</b>	<b>24.23%</b>	<b>11</b>	<b>1.15%</b>	<b>48</b>	<b>5.07%</b>	<b>0.20</b>
NAICS 512 Motion picture and sound recording industries	517	153	42.03%	88	24.23%	-7	-1.80%	71	19.61%	0.11
NAICS 513 Publishing industries	1,786	814	83.74%	235	24.23%	-19	-1.93%	597	61.45%	0.15
NAICS 516 Broadcasting and content providers	1,085	324	42.58%	184	24.23%	320	42.08%	-181	-23.73%	0.04
NAICS 517 Telecommunications	1,168	104	9.77%	258	24.23%	-84	-7.85%	-70	-6.60%	0.72
NAICS 518 Computing infrastructure providers, data processing	1,719	332	23.94%	336	24.23%	41	2.94%	-45	-3.24%	0.08
NAICS 519 Web search portals, libraries, archives, and other in	1,263	34	2.77%	298	24.23%	160	12.98%	-423	-34.44%	0.01
<b>NAICS 52 Finance and insurance</b>	<b>1,593</b>	<b>209</b>	<b>15.10%</b>	<b>335</b>	<b>24.23%</b>	<b>-6</b>	<b>-0.40%</b>	<b>-121</b>	<b>-8.72%</b>	<b>0.65</b>
NAICS 522 Credit intermediation and related activities	2,067	601	41.00%	355	24.23%	80	5.46%	166	11.31%	0.75
NAICS 523 Securities, commodity contracts, and other financial	2,329	166	7.67%	524	24.23%	-147	-6.80%	-211	-9.75%	0.10
NAICS 524 Insurance carriers and related activities	1,340	50	3.88%	313	24.23%	-71	-5.51%	-191	-14.84%	1.24
<b>NAICS 53 Real estate and rental and leasing</b>	<b>1,000</b>	<b>240</b>	<b>31.58%</b>	<b>184</b>	<b>24.23%</b>	<b>2</b>	<b>0.22%</b>	<b>54</b>	<b>7.14%</b>	<b>0.85</b>
NAICS 531 Real estate	859	177	25.95%	165	24.23%	-8	-1.11%	19	2.83%	0.71
<b>NAICS 54 Professional, scientific, and technical services</b>	<b>1,323</b>	<b>312</b>	<b>30.86%</b>	<b>245</b>	<b>24.23%</b>	<b>-18</b>	<b>-1.78%</b>	<b>85</b>	<b>8.41%</b>	<b>0.35</b>
NAICS 541 Professional, scientific, and technical services	1,323	312	30.86%	245	24.23%	-18	-1.78%	85	8.41%	0.35
<b>NAICS 55 Management of companies and enterprises</b>	<b>1,823</b>	<b>321</b>	<b>21.37%</b>	<b>364</b>	<b>24.23%</b>	<b>-139</b>	<b>-9.22%</b>	<b>96</b>	<b>6.37%</b>	<b>1.21</b>
NAICS 551 Management of companies and enterprises	1,823	321	21.37%	364	24.23%	-139	-9.22%	96	6.37%	1.21
<b>NAICS 56 Administrative and support and waste management and</b>	<b>808</b>	<b>206</b>	<b>34.22%</b>	<b>146</b>	<b>24.23%</b>	<b>55</b>	<b>9.11%</b>	<b>5</b>	<b>0.89%</b>	<b>1.20</b>
NAICS 561 Administrative and support services	775	202	35.25%	139	24.23%	57	9.88%	7	1.14%	1.16
NAICS 562 Waste management and remediation services	1,364	231	20.39%	274	24.23%	-42	-3.73%	-1	-0.11%	1.64
<b>NAICS 61 Educational services</b>	<b>831</b>	<b>121</b>	<b>17.04%</b>	<b>172</b>	<b>24.23%</b>	<b>-44</b>	<b>-6.20%</b>	<b>-7</b>	<b>-0.98%</b>	<b>0.97</b>
NAICS 611 Educational services	831	121	17.04%	172	24.23%	-44	-6.20%	-7	-0.98%	0.97
<b>NAICS 62 Health care and social assistance</b>	<b>1,121</b>	<b>195</b>	<b>21.06%</b>	<b>224</b>	<b>24.23%</b>	<b>-4</b>	<b>-0.45%</b>	<b>-25</b>	<b>-2.72%</b>	<b>1.21</b>
NAICS 621 Ambulatory health care services	1,295	128	10.97%	283	24.23%	-57	-4.89%	-98	-8.37%	1.38
NAICS 622 Hospitals	1,225	271	28.41%	231	24.23%	-4	-0.37%	43	4.55%	1.18
NAICS 623 Nursing and residential care facilities	763	149	24.27%	149	24.23%	53	8.63%	-53	-8.59%	1.18
NAICS 624 Social assistance	568	148	35.24%	102	24.23%	28	6.70%	18	4.31%	0.59
<b>NAICS 71 Arts, entertainment, and recreation</b>	<b>768</b>	<b>147</b>	<b>23.67%</b>	<b>150</b>	<b>24.23%</b>	<b>31</b>	<b>4.99%</b>	<b>-34</b>	<b>-5.54%</b>	<b>1.23</b>
NAICS 711 Performing arts, spectator sports, and related indus	1,426	-29	-1.99%	353	24.23%	52	3.61%	-434	-29.83%	0.69
NAICS 712 Museums, historical sites, and similar institutions	869	204	30.68%	161	24.23%	-15	-2.26%	58	8.71%	1.38
NAICS 713 Amusement, gambling, and recreation industries	640	207	47.81%	105	24.23%	29	6.61%	73	16.97%	1.76
<b>NAICS 72 Accommodation and food services</b>	<b>463</b>	<b>123</b>	<b>36.18%</b>	<b>82</b>	<b>24.23%</b>	<b>18</b>	<b>5.30%</b>	<b>23</b>	<b>6.65%</b>	<b>1.20</b>
NAICS 721 Accommodation	638	180	39.30%	111	24.23%	11	2.42%	58	12.66%	0.81
NAICS 722 Food services and drinking places	444	114	34.55%	80	24.23%	24	7.27%	10	3.05%	1.30
<b>NAICS 81 Other services (except public administration)</b>	<b>893</b>	<b>138</b>	<b>18.28%</b>	<b>183</b>	<b>24.23%</b>	<b>29</b>	<b>3.87%</b>	<b>-74</b>	<b>-9.82%</b>	<b>1.05</b>
NAICS 811 Repair and maintenance	1,084	164	17.83%	223	24.23%	8	0.89%	-67	-7.29%	1.77
NAICS 812 Personal and laundry services	588	43	7.89%	132	24.23%	21	3.77%	-110	-20.10%	0.80
NAICS 813 Religious, grantmaking, civic, professional, and simi	860	159	22.68%	170	24.23%	17	2.45%	-28	-4.00%	0.50
NAICS 814 Private households	743	250	50.71%	119	24.23%	102	20.75%	28	5.73%	0.97
<b>NAICS 99 Unclassified</b>	<b>744</b>	<b>327</b>	<b>78.42%</b>	<b>101</b>	<b>24.23%</b>	<b>42</b>	<b>10.12%</b>	<b>184</b>	<b>44.07%</b>	<b>0.22</b>
NAICS 999 Unclassified	744	327	78.42%	101	24.23%	42	10.12%	184	44.07%	0.22