

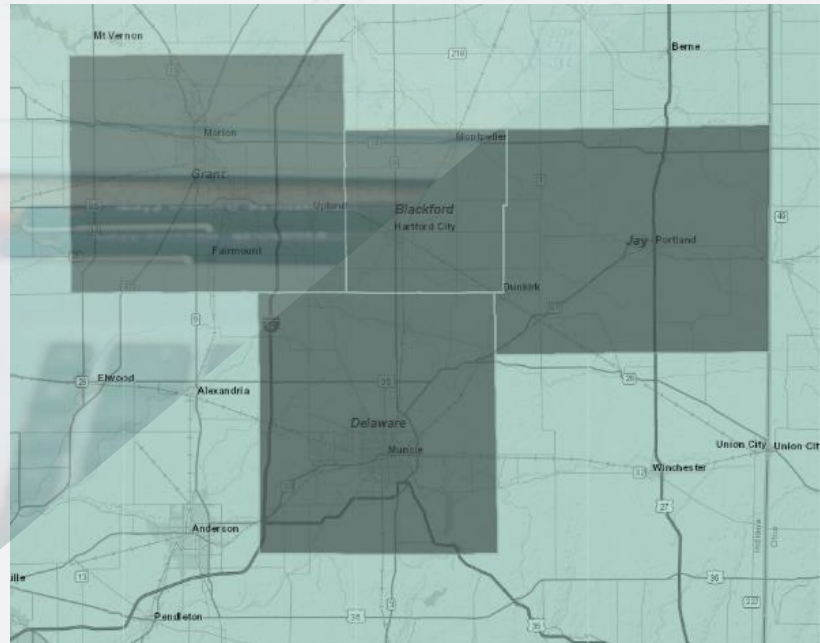
East Central Indiana Regional Planning District

Fabricated Metal Product Mfg Cluster Drill-down

Section 01



Economic indicators



Economic Indicators	East Central Indiana Regional Planning District (QCEW, non-QCEW, self-employed and proprietors)
Jobs 2023 (% of total jobs)	1,428 (1.3%)
Job change 2018-2023 (#, %)	-172 (11%)
Average total earnings per job 2023	\$69,448
Cost of Living (COL)	93.2
Est. Establishment 2023 (% of total est.)	53 (1.3%)
GRP (Gross Regional Product) 2023	\$ 141.7 Million
GRP per job 2023 (productivity)	\$99,208
Total purchases 2023	\$ 230.8 Million
<i>Within region</i>	21%
<i>Imported from outside of region & state</i>	79%
Number of sectors in fabricated metal product mfg cluster	33

Section 02



Competitiveness, economic leakages and Workforce

Regional Job Growth:

Three Key Components of the Shift-Share Analysis

Expected Change

The sum of the industrial mix and the national growth effects



National Growth Effect

Explains how much of the regional industry's growth is explained by the overall growth of the national economy

Industrial Mix Effect

Share of regional industry growth explained by the growth of the specific industry sector at the national level

Regional Competitive Effect

Explains how much of the change in a given industry is due to some unique competitive advantage that the region possesses

Note:

The calculations ensure no double counting of job change effects from national to regional levels

Shift-Share Analysis (Regional Performance) by Top Industry Sectors

Industries	Jobs 2023	National Trend 2018-2023 (A)	Industry Trend 2018-2023 (B)	Cumulative Expected Growth (C=A+B)	Actual Job Growth 2018-2023 (D)	Regional Performance 2018-2023 (D-C)
Fabricated Structural Metal Manufacturing	332	11	-4	7	209	202 ↑
Machine Shops	262	23	-36	-13	4	17 ↑
Metal Crown, Closure, and Other Metal Stamping (except Automotive)	255	27	-51	-24	-52	-27
Metal Can Manufacturing	212	2	2	4	193	189 ↑
Iron and Steel Forging	155	12	-24	-12	17	30 ↑
Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	84	15	-14	1	-90	-91
Electroplating, Plating, Polishing, Anodizing, and Coloring	30	6	-13	-7	-36	-29
Bolt, Nut, Screw, Rivet, and Washer Manufacturing	16	2	-3	-2	-3	-1
Precision Turned Product Manufacturing	15	2	-2	0	-4	-3
Other Fabricated Wire Product Manufacturing	15	13	-19	-6	-132	-126
Sheet Metal Work Manufacturing	<10	19	-14	5	Insf. Data	-216
Saw Blade and Handtool Manufacturing	<10	3	-5	-2	Insf. Data	-25
Other Metal Container Manufacturing	<10	1	-2	-1	Insf. Data	-12
Metal Heat Treating	<10	1	-1	-1	Insf. Data	-1
Hardware Manufacturing	0	4	-7	-2	-49	-47

Note: Upward arrow (↑) indicates regional competitiveness.

Shift-Share Analysis 2023

Industries that Outperformed

- Machine Shops
- Iron and Steel Forging
- Fabricated Structural Metal Manufacturing
- Metal Can Manufacturing

Industries that Underperformed

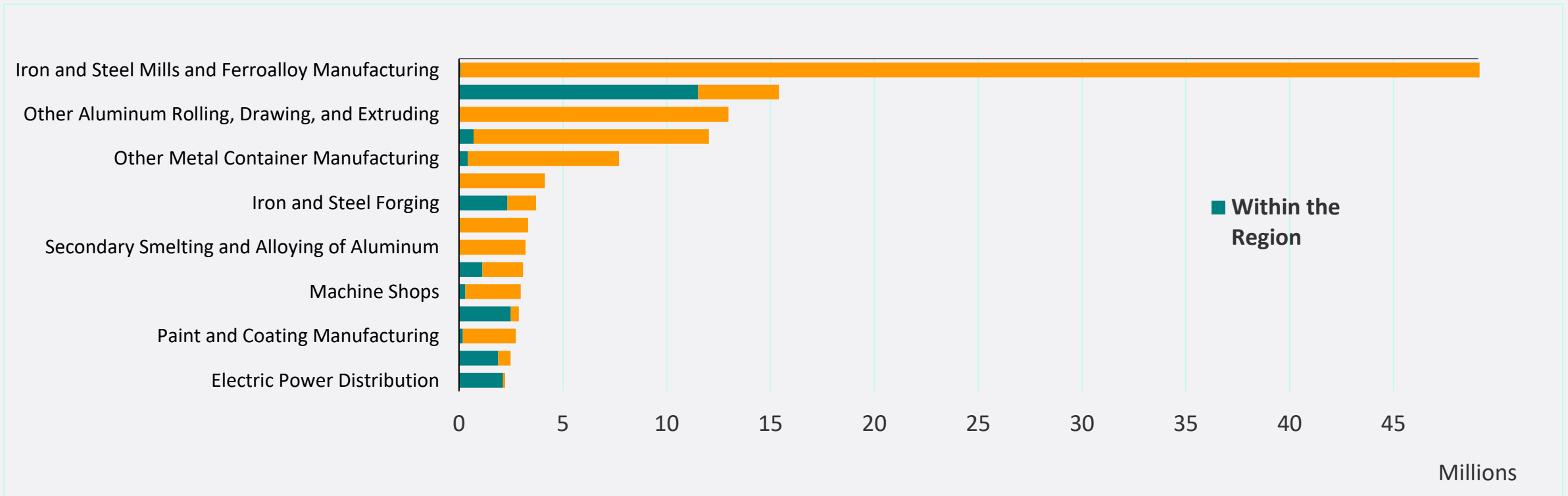
- Metal Crown, Closure, and Other Metal Stamping (except Automotive)
- Sheet Metal Work Manufacturing
- Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
- Other Fabricated Wire Product Manufacturing
- Electroplating, Plating, Polishing, Anodizing, and Coloring
- Hardware Manufacturing
- Saw Blade and Handtool Manufacturing
- Bolt, Nut, Screw, Rivet, and Washer Manufacturing
- Precision Turned Product Manufacturing
- Other Metal Container Manufacturing
- Metal Heat Treating

- A few strong industry sectors include Fabricated Structural Metal Manufacturing with 300 jobs, and Metal Crown, Closure, and Other Metal Stamping (except Automotive) and Machine Shops with 250 plus jobs in 2023.
- Fabricated Structural Metal Manufacturing and Metal Can Manufacturing have large competitive shift values of +202, and +189, respectively.

Leakage analysis: Top 15 Industries by Inputs

Industries	Estimated Input (\$ Million), 2023	% In-Region	% Out of Region
Iron and Steel Mills and Ferroalloy Manufacturing	\$49,145,704	0.1%	99.9%
Metal Can Manufacturing	\$15,409,248	74.7%	25.3%
Other Aluminum Rolling, Drawing, and Extruding	\$12,975,748	0.1%	99.9%
Aluminum Sheet, Plate, and Foil Manufacturing	\$12,026,428	5.8%	94.2%
Other Metal Container Manufacturing	\$7,701,555	5.3%	94.7%
Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	\$4,128,305	0.0%	100.0%
Iron and Steel Forging	\$3,703,499	63.0%	37.0%
Rolled Steel Shape Manufacturing	\$3,322,680	0.0%	100.0%
Secondary Smelting and Alloying of Aluminum	\$3,203,009	0.0%	100.0%
Corporate, Subsidiary, and Regional Managing Offices	\$3,081,731	36.4%	63.6%
Machine Shops	\$2,968,173	10.3%	89.7%
Temporary Help Services	\$2,876,225	86.4%	13.6%
Paint and Coating Manufacturing	\$2,730,151	6.7%	93.3%
General Freight Trucking, Long-Distance, Truckload	\$2,484,643	75.8%	24.2%
Electric Power Distribution	\$2,214,781	95.6%	4.4%

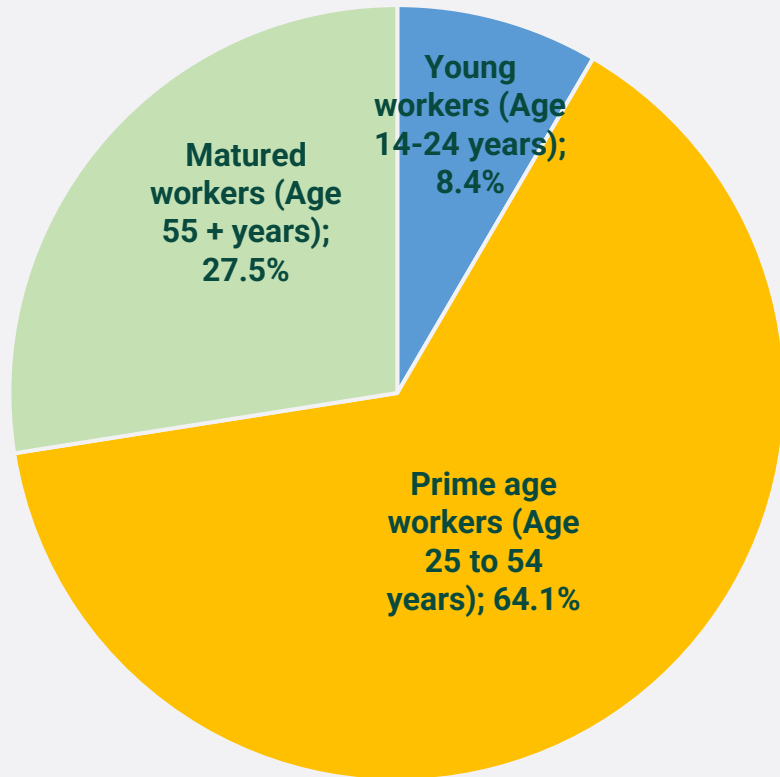
Leakage analysis 2023



- Three industries rely entirely on supply outside the region: a) Iron and Steel Pipe and Tube Manufacturing from Purchased Steel, b) Rolled Steel Shape Manufacturing, and c) Secondary Smelting and Alloying of Aluminum.

Occupations	Jobs 2023	% Change 2018-2023	% of Total Jobs in Cluster 2023	Median Hour Earnings	Entry level Education	Automation
Miscellaneous Assemblers and Fabricators	127	18%	8.9%	\$20.31	High school diploma or equivalent	112.6
Machinists	121	-24%	8.5%	\$22.23	High school diploma or equivalent	115.2
Welders, Cutters, Solderers, and Brazers	112	-2%	7.9%	\$22.06	High school diploma or equivalent	121.4
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	108	30%	7.5%	\$21.71	High school diploma or equivalent	115.9
First-Line Supervisors of Production and Operating Workers	73	1%	5.1%	\$29.07	High school diploma or equivalent	88.6
Computer Numerically Controlled Tool Operators	70	79%	4.9%	\$22.11	High school diploma or equivalent	116
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	57	0%	4.0%	\$18.97	High school diploma or equivalent	118.3
Laborers and Freight, Stock, and Material Movers, Hand	46	21%	3.2%	\$16.79	No formal educational credential	117.2
Structural Metal Fabricators and Fitters	43	192%	3.0%	\$20.52	High school diploma or equivalent	130.3
Inspectors, Testers, Sorters, Samplers, and Weighers	40	-12%	2.8%	\$21.10	High school diploma or equivalent	106.1
Shipping, Receiving, and Inventory Clerks	31	4%	2.2%	\$19.59	High school diploma or equivalent	109.1
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	30	-7%	2.1%	\$29.54	High school diploma or equivalent	91.5
Office Clerks, General	26	-20%	1.8%	\$17.84	High school diploma or equivalent	102
General and Operations Managers	26	-30%	1.8%	\$44.48	Bachelor's degree	82.2
Industrial Machinery Mechanics	25	66%	1.7%	\$28.72	High school diploma or equivalent	109.8

Worker demographics 2023



- Hispanic workers (3%)
- Black or African-American workers (6%)
- Asian workers (1%)
- White workers (88%)
- American Indian or Alaska Native (0.16%)
- Others (2%)

- Male workers (82%)
- Female workers (18%)

- Slightly more than one in four workers (27.5%) are mated (aged 55 years or more) workers in ECIRPD in this cluster. Young workers are only 8.4% of the labor force. Talent pipeline strategies are needed.

Section 03

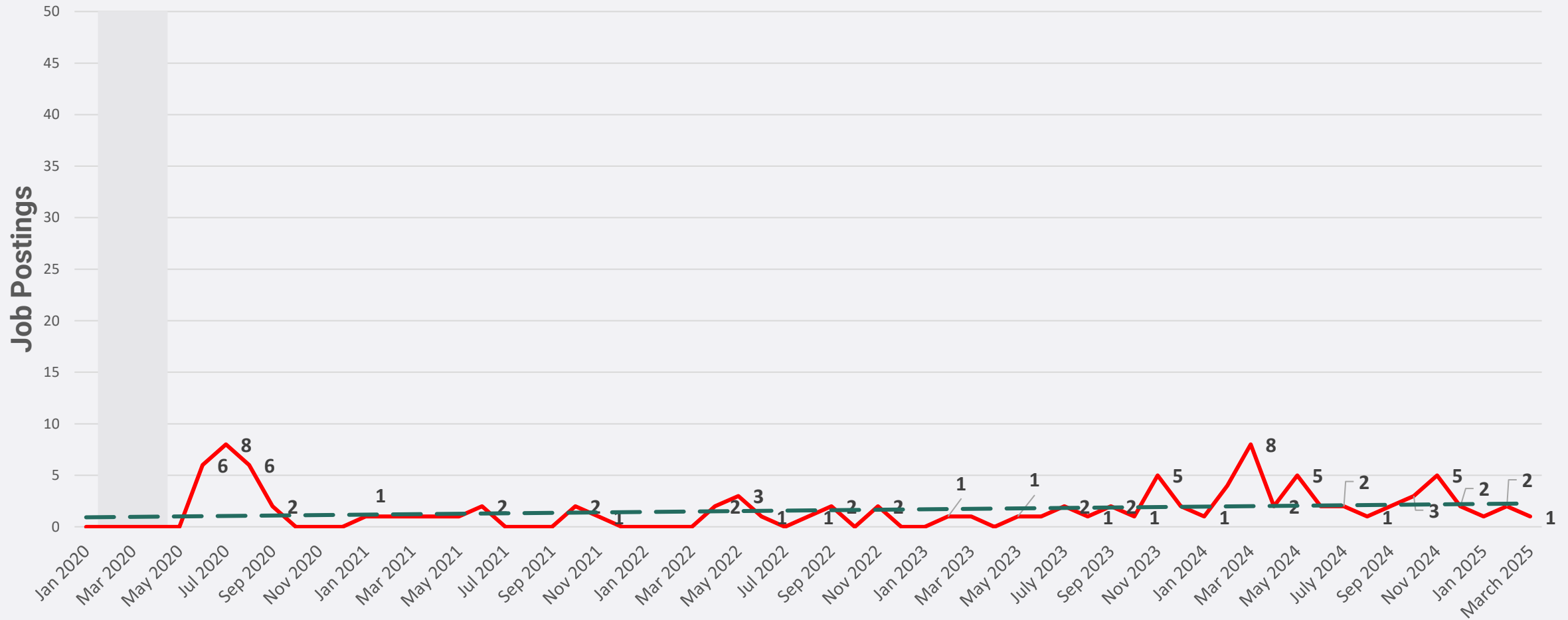


Jobs Postings (Labor demand)

Fabricated Metal Product Mfg Cluster Jobs Postings Overview

- From January 2020 to March 2025, a total of 361 unique jobs postings happened in industries within the Fabricated Metal Product Mfg cluster. The average monthly unique jobs postings was 6 per month.
- The median posting duration was 33 days. Posting intensity was 3:1.
- Percent change between **January 2020 and March 2025** was **100%**.
- 165 employers in Fabricated Metal Product Mfg cluster competed for talent during this period.
- Hourly median advertised salary was \$19.51 per hour (23% postings included salaries)
- Job postings were advertised in 19 different industries within ECIRPD Region. **Metal Can Manufacturing, Precision Turned Product Manufacturing, Fabricated Structural Metal Manufacturing, and All Other Miscellaneous Fabricated Metal Product Manufacturing** had more than 30 unique jobs postings during **January 2020 and March 2025**.
- Top companies in Fabricated Metal Product Mfg cluster posting jobs include Ardagh Group, Joyce/Dayton Corp, Focus Workforce Management, and Newpark Mats & Integrated Services.

Fabricated Metal Product Mfg Cluster: Job Postings Time Series (Jan 2020 to March 2025)



- Unique jobs postings are not seasonally adjusted and hence may show seasonal effects. Jobs postings are in a recovery and growth mode following the COVID-19 induced recession (February 2020 to April 2020).

**Latest 1-Month
Unique Jobs
Postings
February 2025 –
March 2025**



**Latest 12-Month
Unique Jobs
Postings
March 2024 –
March 2025**



Top Companies Postings

1. Ardagh Group
2. AZZ Incorporated
3. Joyce/Dayton Corp.
4. Focus Workforce Management
5. Newpark Mats & Integrated Services
6. Stanley Engineered Fastening
7. Applied Industrial Technologies
8. Portland Forge
9. Kellogg's
10. Ardagh Metal Packaging USA

Top Industries

1. Metal Can Manufacturing
2. Precision Turned Product Manufacturing
3. Fabricated Structural Metal Manufacturing
4. All Other Miscellaneous Fabricated Metal Product Manufacturing
5. Other Metal Valve and Pipe Fitting Manufacturing
6. Bolt, Nut, Screw, Rivet, and Washer Manufacturing
7. Machine Shops
8. Nonferrous Forging
9. Hardware Manufacturing
10. Sheet Metal Work Manufacturing

- Farmers, farm hand and manual worker jobs advertisements are based on analog and not online services.

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