

The background features a dark, textured surface with several white line-art icons. These include gears of various sizes, some containing server racks, a padlock, a cloud with a circular arrow, and a line graph. Faint, light-colored bar charts and line graphs are also visible in the background.

SEPTEMBER 2024

REGIONAL INDUSTRY CLUSTER UPDATE

NOCO REDI

ALEXANDER
RESEARCH & CONSULTING

SUMMARY OF FINDINGS

- ▶ The NAICS codes were updated in 2022 so there were changes to industry cluster definitions. Most of the affected industry codes were rolled up into a more general category that we had already included in the definitions. However, the code for Electronic Shopping and Mail-Order Houses (~ 650 jobs in 2020) was eliminated and the establishments in this category were included in various retail subsectors, which are no longer included in the industry cluster definitions.
- ▶ All target clusters, except for Fabrication and Production Technology Manufacturing, grew in terms of employment over the last five years. The target clusters, except for Plastics, also grew in terms of payrolled establishments.
- ▶ The target sectors' contributions to the Gross Regional Product also increased, except for Fabrication and Production Technology Manufacturing.
- ▶ Multiple subclusters experienced particularly strong performance. These included:
 - ▶ Research and Development in Biotechnology
 - ▶ Wholesale of Professional and Commercial Equipment and Supplies
 - ▶ Moving and Material Handling Equipment
 - ▶ Specialty Foods and Ingredients
 - ▶ Candy and Chocolate
- ▶ Business Services was one of the largest clusters not being tracked and was added to the target clusters in 2024. Within this cluster, the Corporate Headquarters and Engineering Services are the largest two subclusters that have shown consistent growth and have strong prospects. Administrative Management and General Management Consulting Services is the third largest and one of the fastest growing components of Business Services. *Note: the Computer Services subcluster is included with the IT+ cluster.*
- ▶ The Aerospace Vehicles and Defense continues to be an emerging industry. With employment growth of 68% in the last 5 years and strong growth prospects, the cluster again shows promise. The two subclusters that stand out are:
 - ▶ Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
 - ▶ Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing
- ▶ The Automotive sector also showed strong growth in the region. The three components that drove this growth were:
 - ▶ Motor Vehicle Transmission and Power Train Parts Manufacturing
 - ▶ Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
 - ▶ Motor Vehicle Electrical and Electronic Equipment Manufacturing

FIGURE 1. INDUSTRY CLUSTER SUMMARY

	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
CANDIDATES FOR CLUSTER GROWTH STRATEGY: <i>These clusters represent the type of industries that will be most likely to respond to a coordinated, regional cluster-growth strategy and will likely yield outcomes that align with the goals of economic opportunity, economic resilience, and workforce alignment.</i>									
Bioscience & Medical Devices*	1,907	13%	5%	0.99	120	178%	\$638,027,693	\$334,596	25%
Business Services	16,567	19%	13%	0.76	3,488	62%	\$3,033,057,556	\$183,080	53%
Distribution & E-Commerce	9,755	15%	9%	0.78	1,189	15%	\$2,485,221,441	\$254,760	37%
Fabrication & Production Technology Mfg.*	4,377	-23%	0%	1.52	90	6%	\$670,636,545	\$153,204	18%
Food Processing & Manufacturing+*	9,369	18%	11%	2.60	158	8%	\$1,315,686,042	\$140,423	41%
Information Technology+*	9,626	15%	10%	1.07	1,545	73%	\$2,270,194,188	\$235,844	50%
Plastics*	1,622	4%	10%	1.23	36	-3%	\$217,424,851	\$134,056	18%
OTHER IMPORTANT ECONOMIC DRIVERS: <i>These clusters are important industries that will continue to be part of regional communities' other economic development programming and activities. However, due to the nature of these sectors – whether they are locally-traded, resource-based, etc – they are not the focus of this regional industry cluster growth strategy.</i>									
Agricultural Production, Inputs, & Services	8,251	-2%	-3%	2.25	341	4%	\$1,118,769,829	\$135,585	47%
Construction+	6,051	-1%	8%	1.69	297	16%	\$787,959,166	\$130,216	59%
Education & Knowledge Creation	20,477	-27%	-13%	1.62	392	71%	\$1,279,869,162	\$62,504	50%
Energy	6,826	-29%	8%	3.02	362	4%	\$5,560,101,610	\$814,494	43%
Hospitality & Tourism	4,867	-7%	7%	0.77	378	7%	\$387,766,293	\$79,667	42%
Local Health Services	32,698	30%	19%	0.87	1,694	27%	\$3,119,121,429	\$95,393	44%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

Note: Business Services added in 2024 update.

* Includes manufacturers.

FIGURE 2. BIOSCIENCE & MEDICAL DEVICES: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	1,823	2,038	1,907	-131
Last Five Years Growth	24%	15%	13%	↓
Next Five Years Projections	14%	9%	5%	↓
Location Quotient	1.16	1.14	0.99	↓
Payrolled Business Locations	50	68	120	+52
GRP (US\$ Millions)	\$447	\$544	\$638	+\$94

FIGURE 3. BIOSCIENCE & MEDICAL DEVICES: SUBCLUSTERS

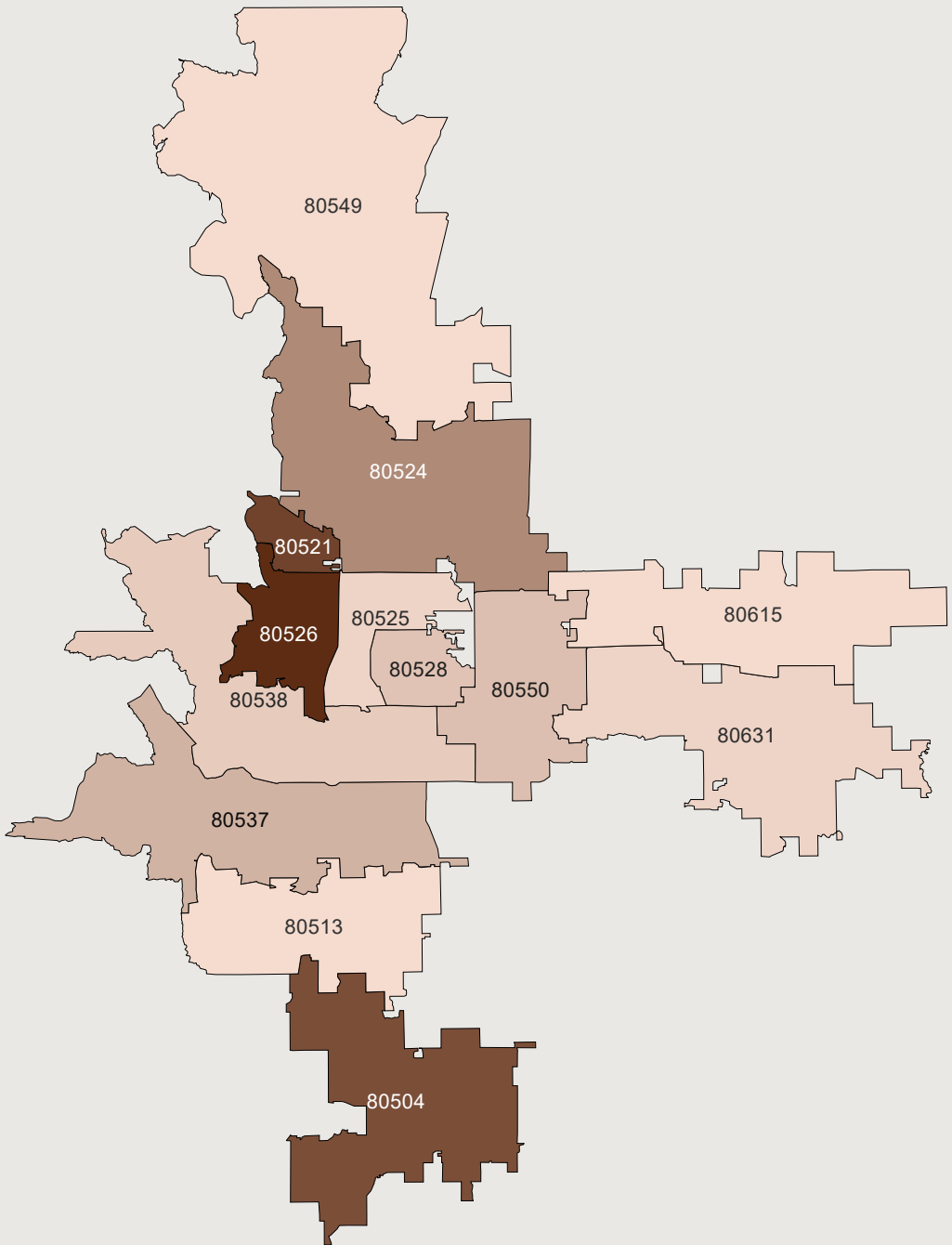
SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
BIOSCIENCE + MEDICAL	1,907	13%	5%	0.99	120	178%	\$638,027,693	\$334,596	25%
Biopharmaceutical Products	962	30%	14%	1.82	28	173%	\$416,323,161	\$432,954	36%
Medical Apparatus	579	-11%	-3%	3.33	2	0%	\$128,080,761	\$221,061	19%
Research and Development in Biotechnology (except Nanobiotechnology)	178	393%	32%	0.31	74	546%	\$40,443,273	\$226,802	23%
Surgical and Dental Instruments and Supplies	167	-28%	-40%	0.32	14	-11%	\$43,852,502	\$261,957	6%
Biological Products	15	-3%	-67%	0.17	2	-50%	\$9,185,615	\$605,980	11%
Optical Instruments and Ophthalmic Goods	5	0%	0%	0.11	0	n/a	\$142,381	\$28,476	1%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 4. BIOSCIENCE & MEDICAL DEVICES: DISTRIBUTION OF EMPLOYMENT, ZIP CODES WITH EMPLOYMENT > 10

2023 Jobs
453

13



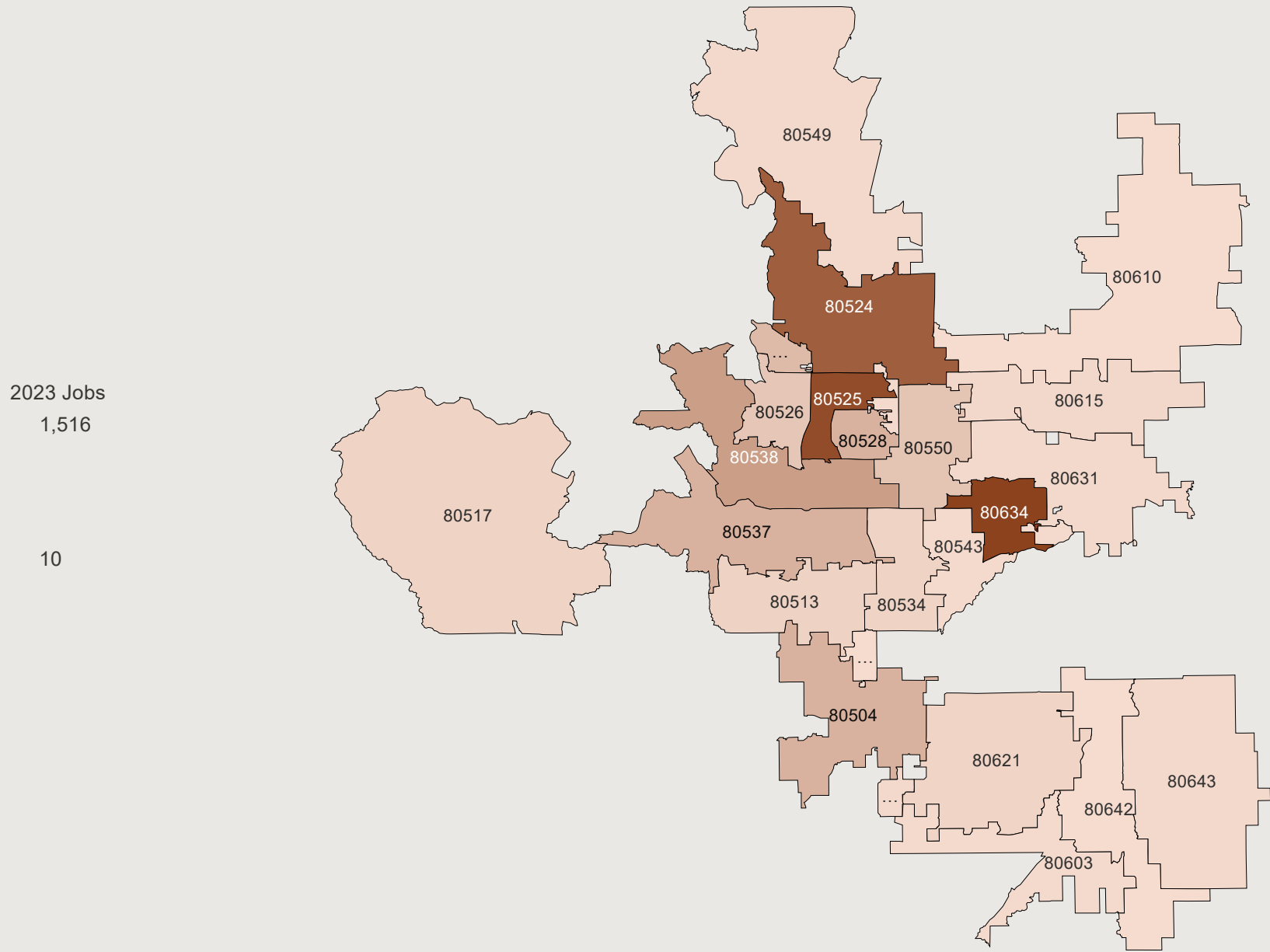
ZIP	ZIP Name	2023 Jobs
80526	Fort Collins, CO	453
80521	Fort Collins, CO	395
80504	Longmont, CO	367
80524	Fort Collins, CO	219
80537	Loveland, CO	117
80550	Windsor, CO	85
80528	Fort Collins, CO	75
80538	Loveland, CO	53
80631	Greeley, CO	33
80525	Fort Collins, CO	33
80615	Eaton, CO	15
80513	Berthoud, CO	14
80549	Wellington, CO	13

FIGURE 5. BUSINESS SERVICES: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
BUSINESS SERVICES	16,567	19%	13%	0.76	3,488	62%	\$3,033,057,556	\$183,080	53%
Corporate, Subsidiary, and Regional Managing Offices	2,759	5%	6%	0.58	316	48%	\$526,755,792	\$190,939	38%
Engineering Services	2,560	17%	7%	1.14	407	34%	\$471,518,129	\$184,163	72%
Administrative Management and General Management Consulting Services	1,388	79%	25%	0.71	557	129%	\$188,908,762	\$136,093	68%
All Other Professional, Scientific, and Technical Services	1,223	52%	22%	1.91	176	5%	\$423,870,929	\$346,513	98%
Other Scientific and Technical Consulting Services	609	47%	16%	1.18	177	50%	\$64,233,548	\$105,432	90%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 6. BUSINESS SERVICES: DISTRIBUTION OF EMPLOYMENT,
ZIP CODES WITH EMPLOYMENT > 10



ZIP	ZIP Name	2023 Jobs
80634	Greeley, CO	1,516
80525	Fort Collins, CO	1,417
80524	Fort Collins, CO	1,235
80538	Loveland, CO	619
80528	Fort Collins, CO	425
80537	Loveland, CO	423
80504	Longmont, CO	421
80521	Fort Collins, CO	342
80550	Windsor, CO	246
80526	Fort Collins, CO	217
80513	Berthoud, CO	104
80517	Estes Park, CO	98
80534	Johnstown, CO	92
80621	Fort Lupton, CO	85
80615	Eaton, CO	46
80631	Greeley, CO	44
80549	Wellington, CO	41
80643	Keenesburg, CO	39
80514	Dacono, CO	38
80603	Brighton, CO	33
80543	Milliken, CO	32
80547	Timnath, CO	30
80620	Evans, CO	29
80542	Mead, CO	15
80610	Ault, CO	12
80642	Hudson, CO	10

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 7. DISTRIBUTION & E-COMMERCE: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	8,400	9,350	9,755	+405
Last Five Years Growth	31%	18%	15%	↓
Next Five Years Projections	16%	9%	9%	↓
Location Quotient	0.76	0.76	0.78	↑
Payrolled Business Locations	1,125	1,161	1,189	+28
GRP (US\$ Millions)	\$1,937	\$2,003	\$2,485	\$482

FIGURE 8. DISTRIBUTION & E-COMMERCE: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
DISTRIBUTION AND ELECTRONIC COMMERCE	9,755	15%	9%	0.78	1,189	15%	\$2,485,221,441	\$254,760	37%
Warehousing and Storage	1,851	34%	8%	0.51	28	43%	\$123,066,444	\$66,499	40%
Wholesale of Farm Products and Supplies	1,495	-1%	2%	3.45	100	13%	\$454,911,254	\$304,343	75%
Wholesale of Professional and Commercial Equipment and Supplies	1,273	60%	23%	0.87	196	22%	\$429,367,380	\$337,419	20%
Wholesale of Industrial Machinery, Equipment, and Supplies	1,126	24%	18%	1.29	167	11%	\$201,249,212	\$178,685	58%
Rental and Leasing	582	-14%	11%	1.57	48	0%	\$288,975,939	\$496,109	84%
Wholesale of Farm and Garden Machinery and Equipment	488	28%	6%	2.14	44	5%	\$75,456,635	\$154,518	80%

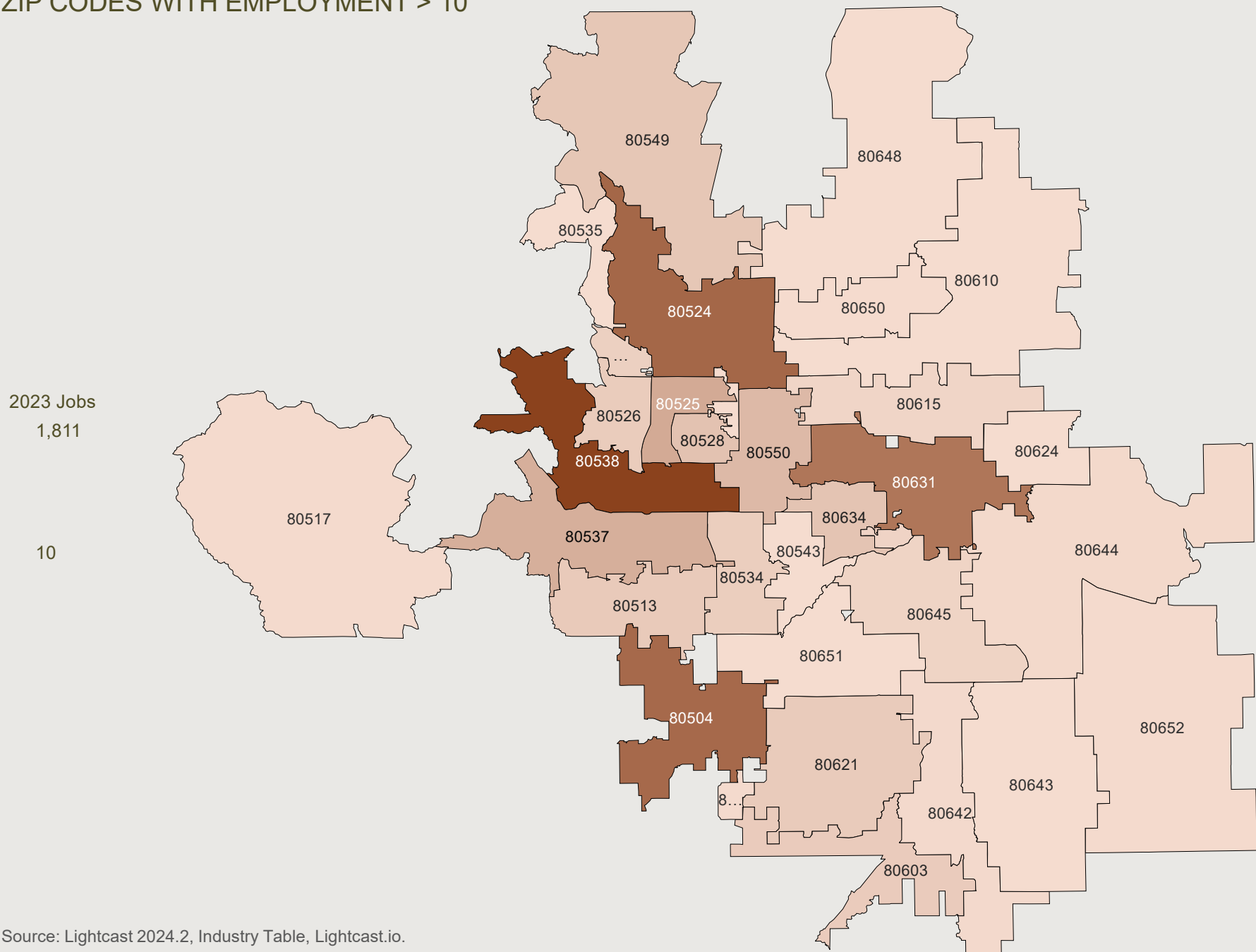
Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 8. DISTRIBUTION & E-COMMERCE: SUBCLUSTERS (CONTINUED)

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
Wholesale of Electrical and Electronic Goods	355	36%	15%	0.49	100	38%	\$127,051,655	\$358,161	12%
Wholesale of Chemical and Allied Products	297	6%	8%	1.00	52	19%	\$81,492,740	\$274,636	66%
Wholesale of Construction and Mining Machinery and Equipment	287	24%	11%	1.45	17	35%	\$59,268,237	\$206,230	64%
Wholesale of Metals and Minerals (except Petroleum)	286	4%	2%	1.09	21	6%	\$41,049,665	\$143,652	50%
Wholesale Trade Agents and Brokers	224	-28%	-43%	0.22	86	-25%	\$38,855,017	\$173,579	12%
Wholesale of Drugs and Druggists' Sundries	213	31%	10%	0.42	68	43%	\$96,809,099	\$454,988	9%
Support Services	200	50%	28%	0.63	35	17%	\$18,567,945	\$92,823	69%
Wholesale of Petroleum and Petroleum Products	189	-44%	-12%	0.94	16	-16%	\$271,662,686	\$1,434,357	62%
Wholesale of Food Products	170	0%	12%	0.31	44	54%	\$33,637,277	\$197,827	16%
Wholesale of Other Merchandise	141	34%	4%	0.63	26	24%	\$28,377,856	\$201,126	28%
Wholesale of Sporting and Recreational Goods and Supplies	137	46%	20%	1.06	31	29%	\$20,669,519	\$150,539	69%
Wholesale of Paper and Paper Products	127	-33%	-10%	0.55	15	9%	\$26,847,585	\$211,762	31%
Wholesale of Service Establishment Equipment, and Supplies	87	56%	21%	0.78	17	53%	\$13,383,872	\$153,511	36%
Wholesale of Apparel and Accessories	78	-4%	-11%	0.26	23	18%	\$12,874,908	\$165,200	5%
Wholesale of Furniture and Home Furnishing	70	-18%	-6%	0.31	27	-1%	\$14,606,658	\$208,295	11%
Wholesale of Transportation Equipment and Supplies (except Motor Vehicles)	50	109%	27%	0.68	10	111%	\$9,300,233	\$186,319	44%
Wholesale of Jewelry, Watches, Precious Stones, and Precious Metals	14	-32%	-64%	0.19	9	-26%	\$12,305,510	\$893,443	52%
Wholesale of Toy and Hobby Goods and Supplies	10	107%	1%	0.22	9	46%	\$3,434,423	\$332,309	24%
Wholesale of Books, Periodicals, and Newspapers	5	0%	0%	0.09	4	-18%	\$1,999,691	\$399,938	13%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 9. DISTRIBUTION & E-COMMERCE: DISTRIBUTION OF EMPLOYMENT, ZIP CODES WITH EMPLOYMENT > 10



ZIP	ZIP Name	2023 Jobs
80538	Loveland, CO	1,811
80524	Fort Collins, CO	1,379
80504	Longmont, CO	1,350
80631	Greeley, CO	1,199
80525	Fort Collins, CO	594
80537	Loveland, CO	540
80550	Windsor, CO	415
80528	Fort Collins, CO	313
80634	Greeley, CO	293
80549	Wellington, CO	259
80513	Berthoud, CO	219
80621	Fort Lupton, CO	211
80603	Brighton, CO	203
80526	Fort Collins, CO	198
80534	Johnstown, CO	179
80521	Fort Collins, CO	156
80620	Evans, CO	115
80645	La Salle, CO	107
80615	Eaton, CO	90
80644	Kersey, CO	51
80642	Hudson, CO	41
80652	Roggen, CO	34
80517	Estes Park, CO	34
80514	Dacono, CO	33
80650	Pierce, CO	17
80547	Timnath, CO	16
80543	Milliken, CO	15
80651	Platteville, CO	14
80643	Keenesburg, CO	14
80624	Gill, CO	11
80648	Nunn, CO	11
80535	Laporte, CO	10
80610	Ault, CO	10

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

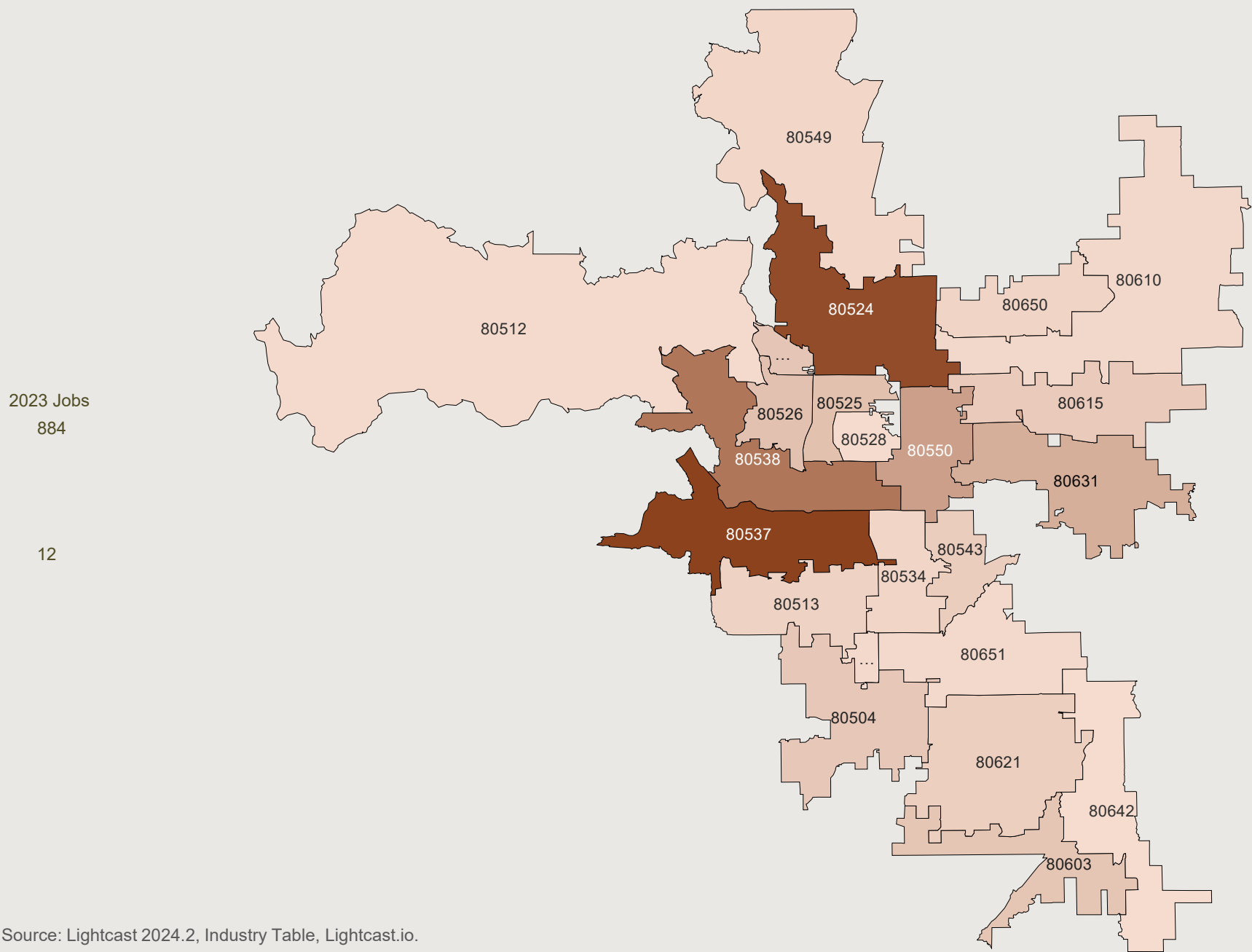
FIGURE 10. FABRICATION & PRODUCTION TECHNOLOGY MANUFACTURING: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	5,391	5,175	4,377	-798
Last Five Years Growth	51%	4%	-23%	↓
Next Five Years Projections	18%	10%	0%	↓
Location Quotient	1.98	1.93	1.52	↓
Payrolled Business Locations	79	80	90	+10
GRP (US\$ Millions)	\$698	\$736	\$671	(\$65)

FIGURE 11. FABRICATION & PRODUCTION TECHNOLOGY MANUFACTURING: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
MANUFACTURING: PRODUCTION AND FABRICATION	4,377	-23%	0%	1.52	90	6%	\$670,636,545	\$153,204	18%
Agricultural and Construction Machinery and Components	3,071	-25%	-2%	5.50	19	38%	\$505,809,262	\$164,721	38%
Industrial Machinery	272	-28%	0%	0.78	18	-7%	\$39,692,626	\$146,080	17%
Commercial and Service Industry Machinery	263	18%	15%	1.48	8	-11%	\$28,700,078	\$109,236	25%
Metalworking Machinery	251	-39%	-15%	1.12	11	-21%	\$34,723,787	\$138,493	25%
Air Handling Equipment	223	-14%	15%	0.79	4	100%	\$24,998,940	\$111,915	8%
Metal Processing (MT)	142	11%	-2%	0.39	19	23%	\$14,233,000	\$100,005	12%
Moving and Material Handling Equipment	71	108%	17%	0.39	3	50%	\$11,230,941	\$157,596	5%
Measuring, Dispensing, and Other Pumping Equipment Manufacturing	31	73%	-5%	0.57	1	0%	\$5,821,192	\$189,450	7%
Fasteners	24	-10%	15%	0.16	5	38%	\$3,612,795	\$151,594	13%
Process Equipment and Components	15	-32%	0%	0.04	2	-33%	\$975,781	\$65,052	1%
Machine Tools and Accessories	10	-85%	0%	0.08	1	-50%	\$717,045	\$71,705	2%
Hand Tools	5	-75%	0%	0.19	0	-100%	\$121,099	\$24,220	1%

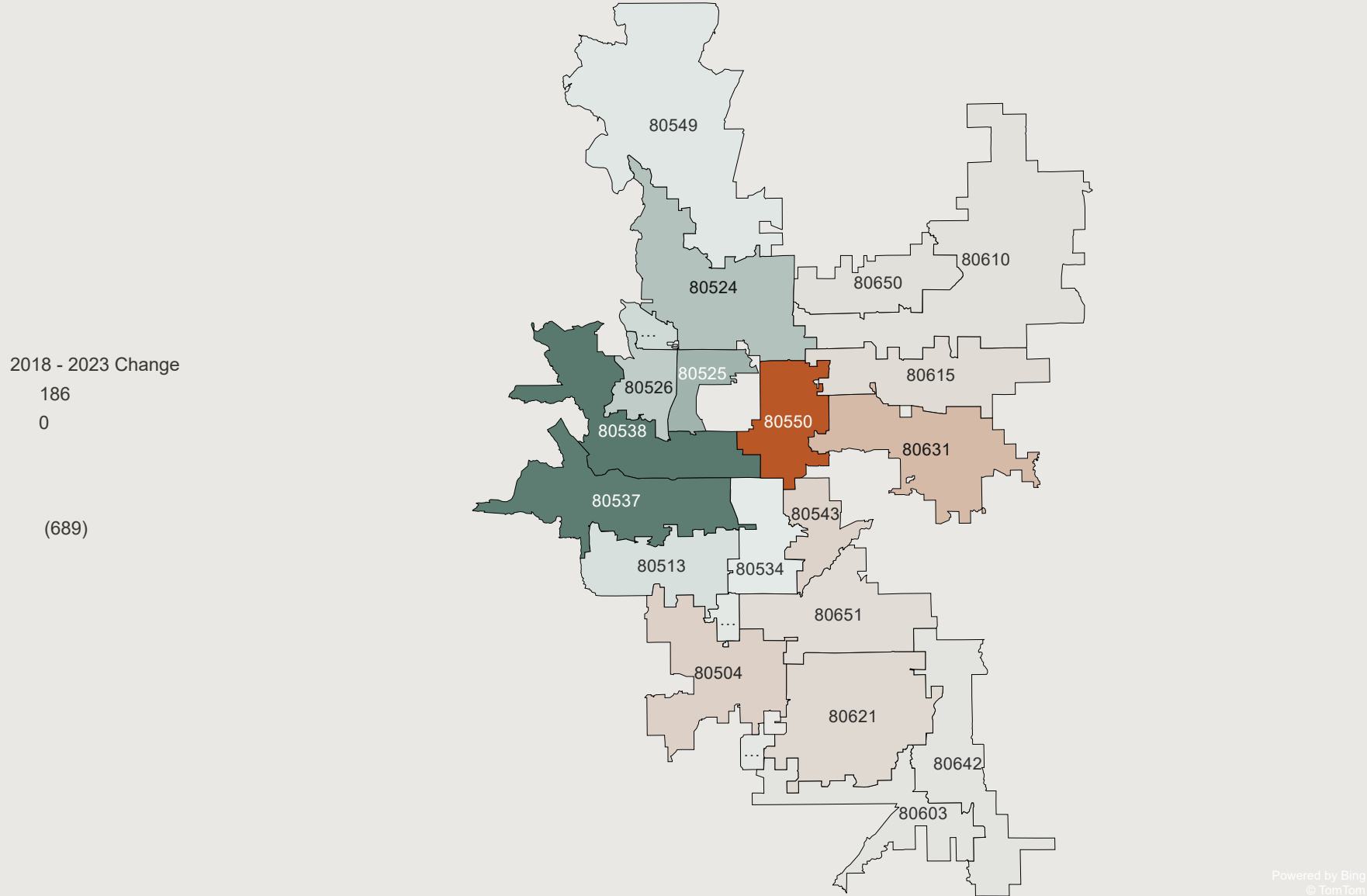
FIGURE 12. FABRICATION & PRODUCTION TECHNOLOGY MANUFACTURING: DISTRIBUTION OF EMPLOYMENT, ZIP CODES WITH EMPLOYMENT > 10



ZIP	ZIP Name	2023 Jobs
80537	Loveland, CO	884
80524	Fort Collins, CO	826
80538	Loveland, CO	588
80550	Windsor, CO	356
80631	Greeley, CO	265
80525	Fort Collins, CO	167
80526	Fort Collins, CO	165
80603	Brighton, CO	144
80521	Fort Collins, CO	141
80504	Longmont, CO	131
80615	Eaton, CO	111
80543	Milliken, CO	96
80621	Fort Lupton, CO	88
80513	Berthoud, CO	67
80650	Pierce, CO	49
80534	Johnstown, CO	45
80549	Wellington, CO	39
80610	Ault, CO	32
80542	Mead, CO	31
80651	Platteville, CO	30
80512	Bellvue, CO	21
80528	Fort Collins, CO	18
80642	Hudson, CO	12

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 13. FABRICATION & PRODUCTION TECHNOLOGY MANUFACTURING: CHANGE IN EMPLOYMENT 2018-2023, AGRICULTURAL AND CONSTRUCTION MACHINERY AND COMPONENTS*



The Turbine and Turbine Generator Set Units Manufacturing segment lost the largest number of jobs between 2018 and 2023

ZIP	ZIP Name	2018 - 2023 Change
80538	Loveland, CO	186
80537	Loveland, CO	180
80525	Fort Collins, CO	91
80524	Fort Collins, CO	67
80526	Fort Collins, CO	51
80521	Fort Collins, CO	29
80513	Berthoud, CO	18
80549	Wellington, CO	7
80534	Johnstown, CO	2
80542	Mead, CO	(12)
80514	Dacono, CO	(20)
80642	Hudson, CO	(31)
80603	Brighton, CO	(31)
80610	Ault, CO	(45)
80650	Pierce, CO	(53)
80651	Platteville, CO	(69)
80615	Eaton, CO	(74)
80621	Fort Lupton, CO	(86)
80543	Milliken, CO	(111)
80504	Longmont, CO	(121)
80631	Greeley, CO	(229)
80550	Windsor, CO	(689)

* Includes manufacturing of machinery and equipment related to Construction, Farm, Lawn and Garden, Mechanical Power Transmission, Mining, Other Engine, Railroad Rolling Stock, Speed Changer, Industrial High-Speed Drive and Gear, Turbine and Turbine Generator Set Units
Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 14. FOOD PROCESSING & MANUFACTURING+: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	7,835	8,086	9,369	+1,284
Last Five Years Growth	19%	15%	18%	↑
Next Five Years Projections	9%	5%	11%	↑
Location Quotient	2.48	2.42	2.60	↑
Payrolled Business Locations	145	154	158	+5
GRP (US\$ Millions)	\$1,230	\$1,306	\$1,316	\$10

FIGURE 15. FOOD PROCESSING & MANUFACTURING+: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
FOOD PROCESSING AND MANUFACTURING+	9,369	18%	11%	2.60	158	8%	\$1,315,686,042	\$140,423	41%
Meat Processing	4,828	11%	7%	4.52	13	-2%	\$464,199,132	\$96,155	52%
Malt Beverages	1,615	7%	5%	7.36	50	2%	\$390,445,379	\$241,696	79%
Dairy Products	818	1%	10%	2.54	5	25%	\$134,288,109	\$164,203	58%
Specialty Foods and Ingredients	695	219%	42%	1.47	15	71%	\$88,740,821	\$127,671	23%
Animal Foods	567	56%	21%	3.93	17	6%	\$78,678,544	\$138,740	45%
Candy and Chocolate	259	250%	43%	1.95	9	-3%	\$26,609,841	\$102,609	27%
Glass Containers	183	-6%	-6%	7.54	2	100%	\$40,205,361	\$220,255	67%

FIGURE 15. FOOD PROCESSING & MANUFACTURING+: SUBCLUSTERS (CONTINUED)

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
Farm Wholesalers	135	-9%	-6%	1.71	11	-21%	\$31,660,050	\$234,300	100%
Distilleries	113	15%	15%	2.14	13	2%	\$37,512,741	\$332,782	64%
Wineries	57	122%	30%	0.36	6	38%	\$3,864,087	\$67,937	14%
Packaged Fruit and Vegetables	48	-34%	-8%	0.21	7	17%	\$5,567,000	\$116,687	12%
Baked Goods	37	-20%	24%	0.11	3	-25%	\$7,584,403	\$204,371	5%
Soft Drinks and Ice	10	-38%	0%	0.05	5	67%	\$938,568	\$93,857	2%
Coffee and Tea	5	0%	0%	0.09	4	23%	\$5,392,006	\$1,078,401	22%
Milling and Refining of Cereals and Oilseeds	0	n/a	n/a	0.00	0	n/a	\$0	n/a	0%
Milling and Refining of Sugar	0	n/a	n/a	0.00	0	n/a	\$0	n/a	0%

FIGURE 16. FOOD PROCESSING & MANUFACTURING+: DISTRIBUTION OF EMPLOYMENT, ZIP CODES WITH EMPLOYMENT > 10

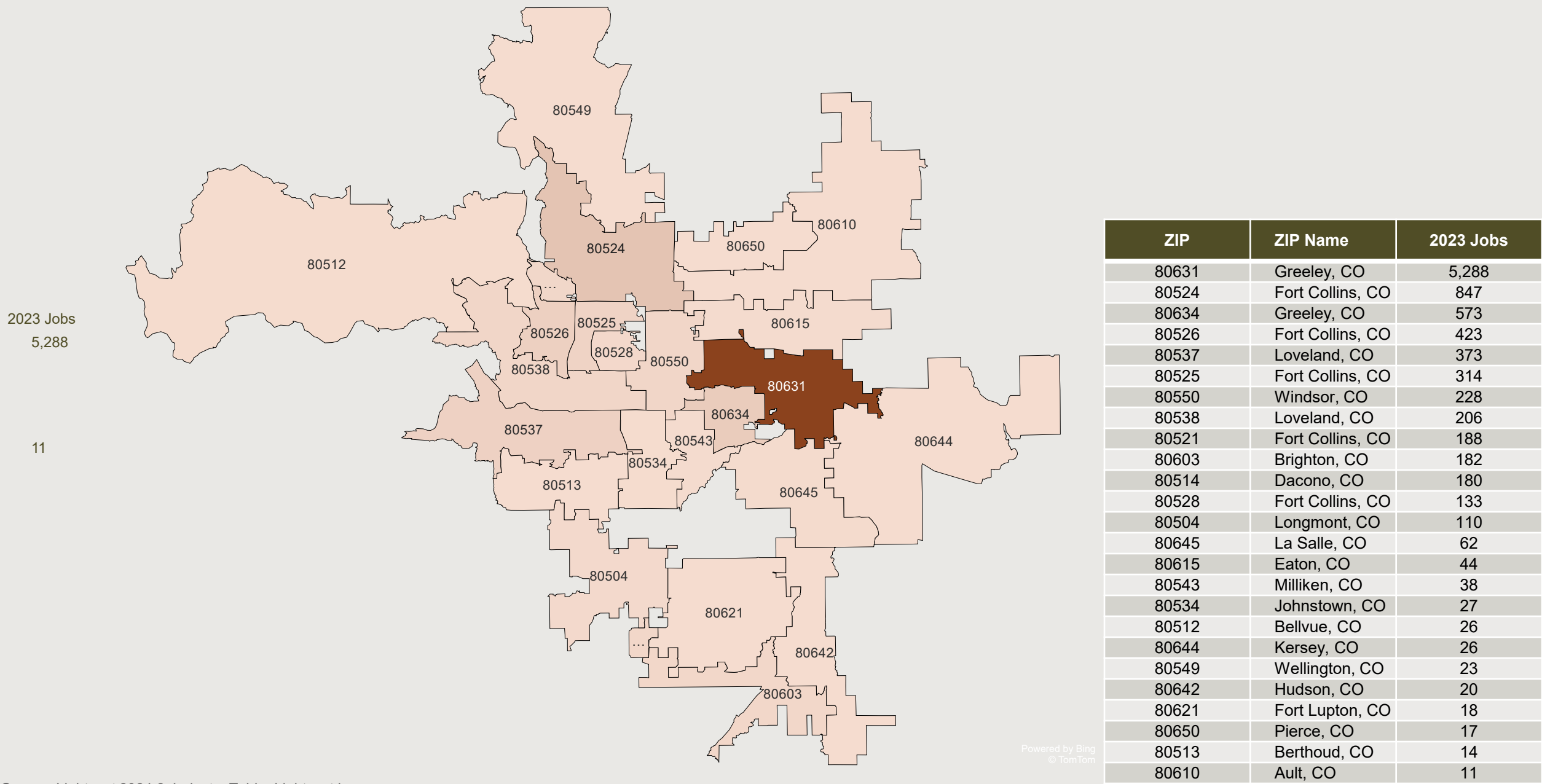


FIGURE 17. INFORMATION TECHNOLOGY+: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	8,091	9,179	9,626	+446
Last Five Years Growth	23%	19%	15%	↓
Next Five Years Projections	8%	11%	10%	↓
Location Quotient	1.16	1.16	1.07	↓
Payrolled Business Locations	893	992	1,545	+552
GRP (US\$ Millions)	\$1,818	\$1,919	\$2,270	\$351

FIGURE 18. INFORMATION TECHNOLOGY+: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
IT+	9,626	15%	10%	1.07	1,545	73%	\$2,270,194,188	\$235,844	50%
Computer Services	5,250	36%	20%	0.86	1,373	74%	\$966,964,975	\$184,182	60%
Computers and Peripherals	1,394	-9%	0%	4.42	4	70%	\$459,933,777	\$329,892	57%
Process and Laboratory Instruments	1,259	-9%	-13%	3.13	31	13%	\$308,266,781	\$244,842	44%
Electronic Components	843	16%	13%	2.23	16	14%	\$285,243,317	\$338,554	47%
Software Publishers	686	-2%	3%	0.54	110	135%	\$200,509,710	\$292,085	31%
Semiconductors	176	-4%	-23%	0.39	9	0%	\$46,838,084	\$265,989	35%
Audio and Video Equipment	12	149%	22%	0.33	1	-20%	\$2,123,995	\$170,754	7%
Software Reproducing	5	0%	0%	0.20	0	n/a	\$313,549	\$62,710	2%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.

FIGURE 19. INFORMATION TECHNOLOGY+: DISTRIBUTION OF EMPLOYMENT, ZIP CODES WITH EMPLOYMENT > 10

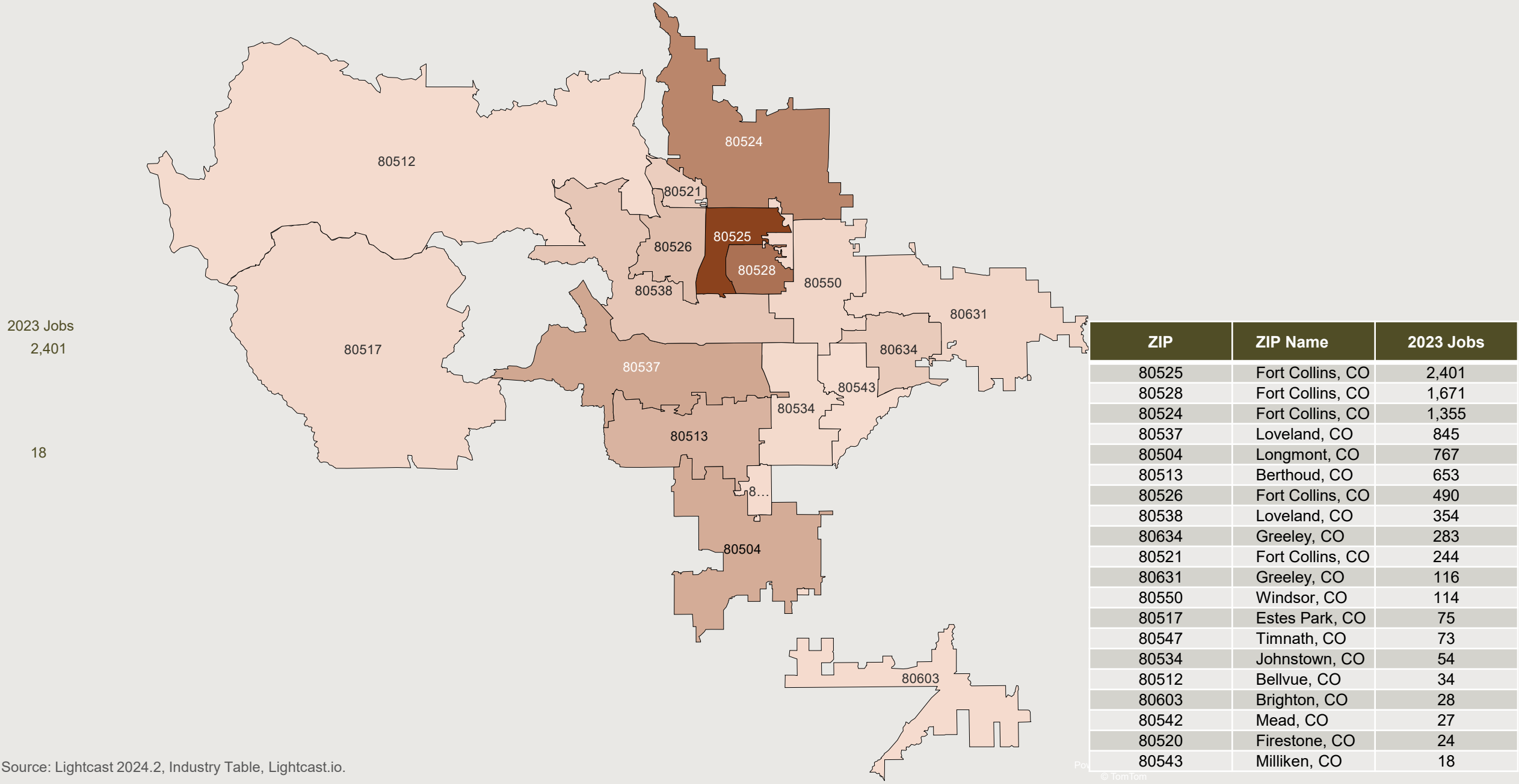


FIGURE 20. PLASTICS: COMPARISON

	2018	2020	2023	CHANGE (2020-2023)
Current Jobs	1,528	1,539	1,622	+83
Last Five Years Growth	18%	0%	4%	↑
Next Five Years Projections	11%	7%	10%	↑
Location Quotient	1.22	1.23	1.23	↔
Payrolled Business Locations	38	37	36	-1
GRP (US\$ Millions)	\$214	\$211	\$217	\$6

FIGURE 21. PLASTICS: SUBCLUSTERS

SUBCLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2023 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2023)
PLASTICS	1,622	4%	10%	1.23	36	-3%	\$217,424,851	\$134,056	18%
Plastic Products	1,597	13%	10%	1.61	32	-2%	\$214,500,291	\$134,324	27%
Plastic Materials and Resins	25	-82%	0%	0.08	4	-6%	\$2,924,560	\$116,982	2%

FIGURE 22. PLASTICS: DISTRIBUTION OF EMPLOYMENT,
ZIP CODES WITH EMPLOYMENT > 10

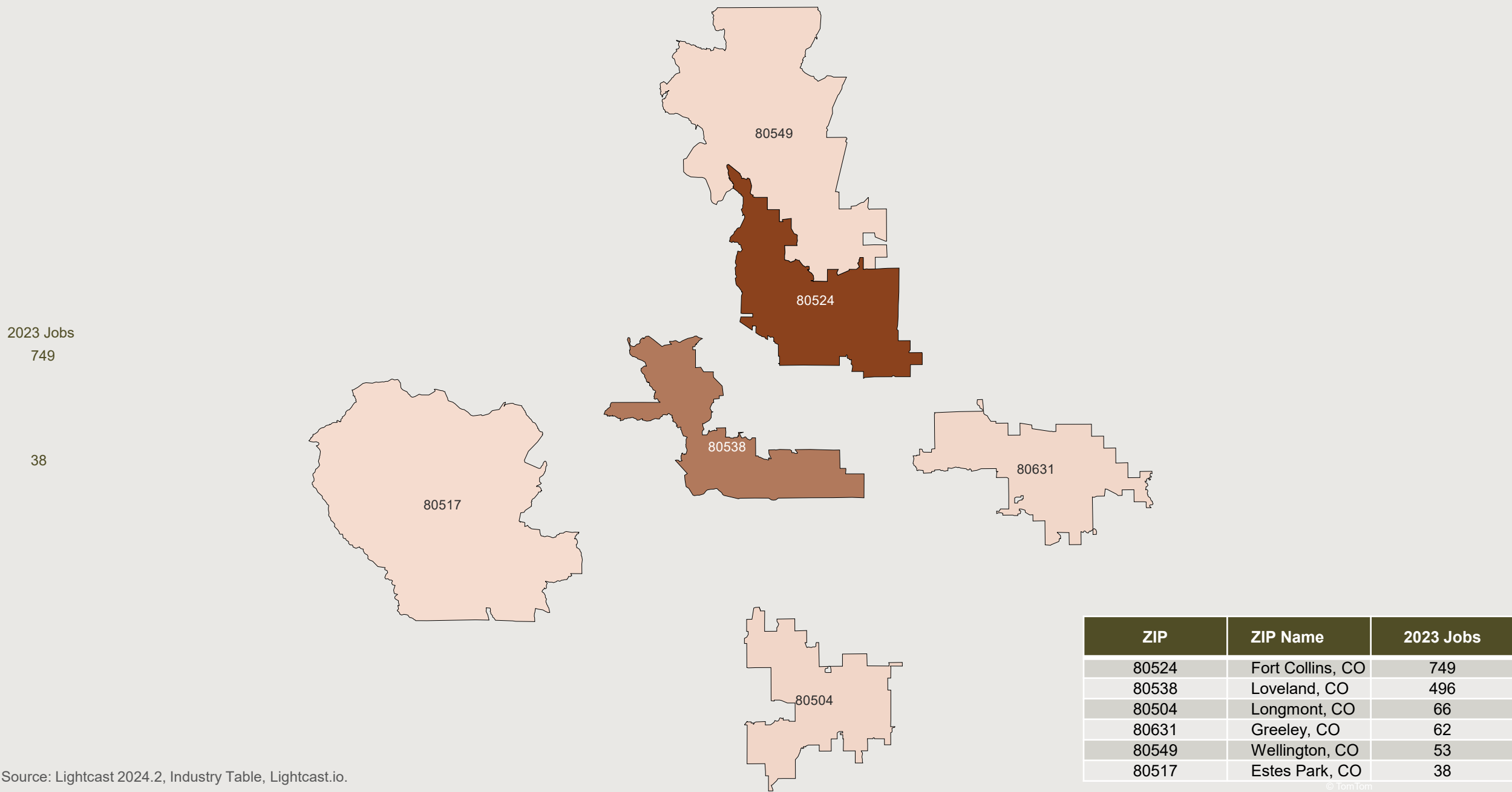


FIGURE 23. EMERGING SECTORS

CLUSTER	2023 JOBS	GROWTH (2018-2023)	GROWTH (2023-2028)	LOCATION QUOTIENT	2023 PAYROLLED BUSINESS LOCATIONS (PBL)	PBL GROWTH (2018-2023)	2023 GRP (US\$)	2020 GRP PER WORKER (US\$)	% DEMAND MET IN NOCO (2020)
AEROSPACE VEHICLES AND DEFENSE	695	68%	29%	0.54	8	14%	\$150,225,453	\$216,209	17%
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	364	50%	14%	1.42	2	100%	\$92,133,456	\$253,068	13%
Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	198	90%	61%	5.87	2	100%	\$35,465,599	\$178,754	79%
Guided Missile and Space Vehicle Manufacturing	79	438%	19%	0.52	1	0%	\$14,231,930	\$180,653	40%
Other Aircraft Parts and Auxiliary Equipment Manufacturing	49	19%	19%	0.25	3	-19%	\$6,477,433	\$133,378	29%
Aircraft Manufacturing	5	0%	0%	0.01	0	-100%	\$1,865,187	\$373,037	1%
AUTOMOTIVE	647	153%	23%	0.31	18	-3%	\$79,676,262	\$123,194	11%
Motor Vehicle Transmission and Power Train Parts Manufacturing	197	3849%	34%	1.26	3	200%	\$33,033,051	\$167,296	98%
Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	129	167%	17%	1.93	2	0%	\$16,798,395	\$130,548	89%
Motor Vehicle Electrical and Electronic Equipment Manufacturing	96	212%	8%	0.79	1	0%	\$6,322,760	\$66,051	51%
Nonferrous Metal Die-Casting Foundries	66	104%	16%	1.53	1	0%	\$5,442,160	\$82,592	27%
Other Nonferrous Metal Foundries (except Die-Casting)	58	-22%	13%	2.33	4	-20%	\$5,483,437	\$93,875	19%
Motor Vehicle Body Manufacturing	55	23%	44%	0.48	2	0%	\$4,955,374	\$90,521	40%
Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	31	517%	24%	0.26	3	-14%	\$5,429,520	\$175,983	26%
Motor Vehicle Seating and Interior Trim Manufacturing	5	0%	0%	0.03	1	0%	\$83,226	\$16,645	3%
Other Motor Vehicle Parts Manufacturing	5	0%	0%	0.02	1	-50%	\$1,201,051	\$240,210	3%

Source: Lightcast 2024.2, Industry Table, Lightcast.io.