

# Business Case

Emsi Q3 2020 Data Set

August 2020

## Employment Services of Weld County



315 North 11<sup>th</sup> Avenue  
Bldg. B  
Greeley, CO 80631  
970.353.3800

# Parameters

**Industries:**

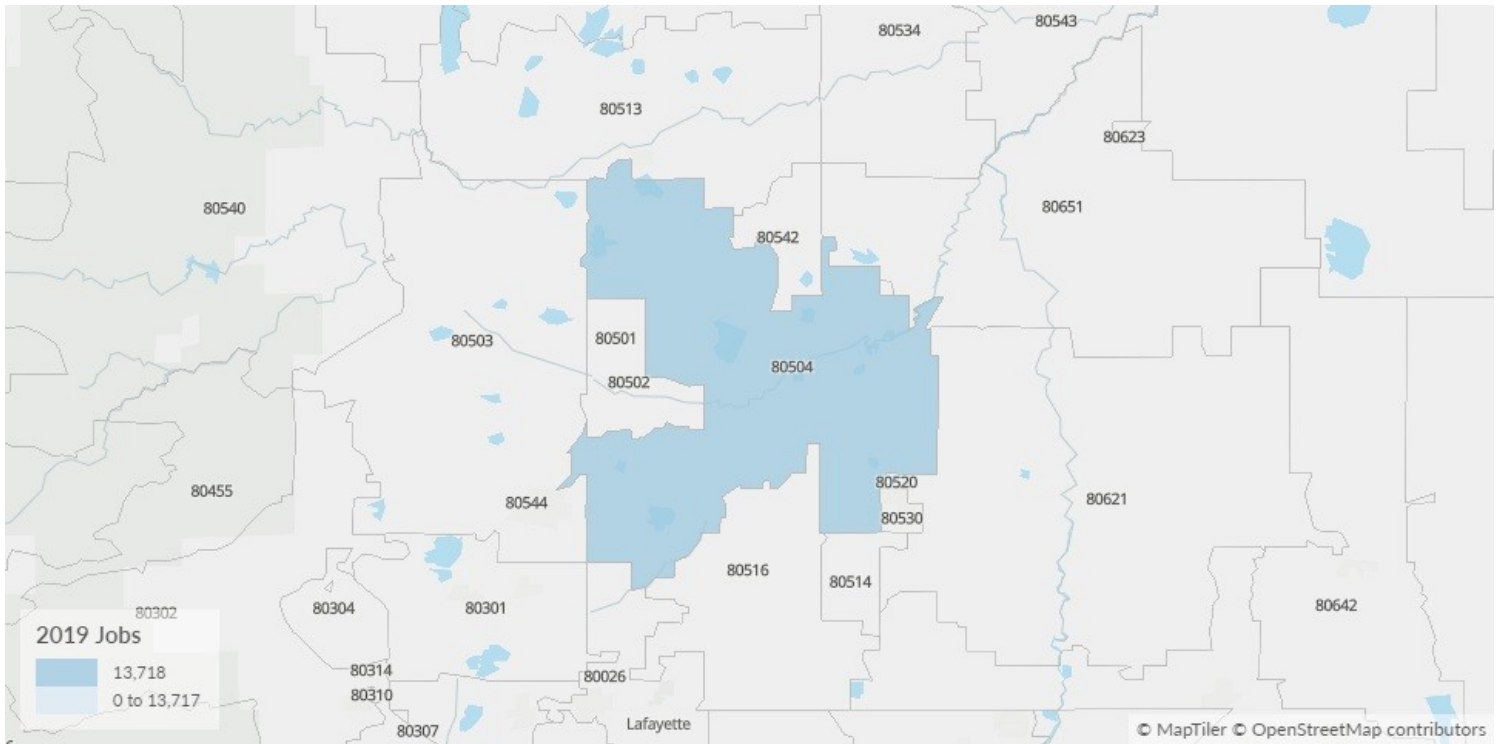
993 items selected. See Appendix A for details.

**Regions:**

Code	Description	Code	Description
80504	Longmont, CO (in Weld county)	80520	Firestone, CO (in Weld county)

**Datarun:** 2020.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

# 993 Industries for 2 Colorado ZIPs vs. State



## Executive Summary

**14,117**

**Jobs**

Jobs **increased by 2,119** over the last 5 years. Projected to **increase by 1,688** over the next 5 years.

**1.00**

**Concentration**

Regional job concentration is **1.00 times** the state job concentration.

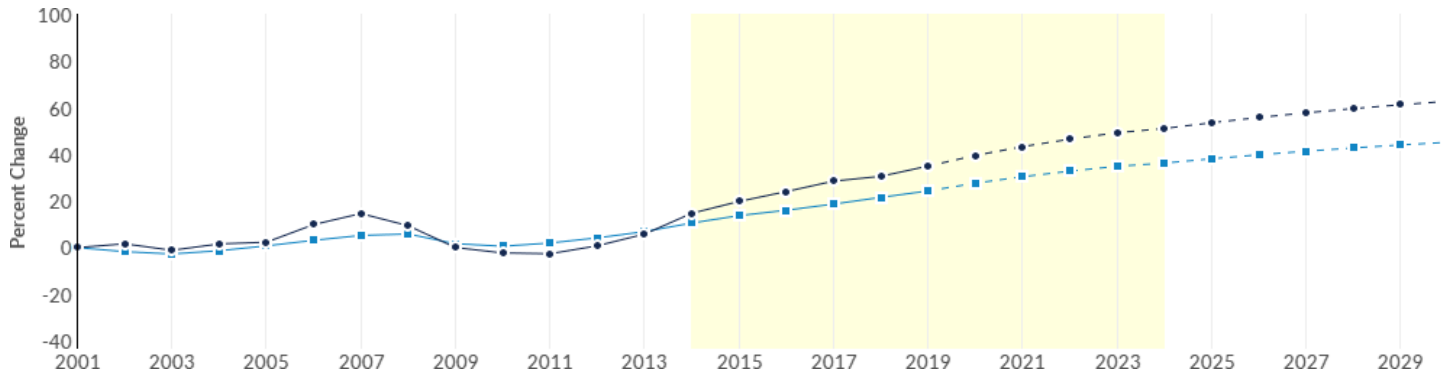
**\$58.7K**

**Earnings Per Job**

Regional earnings per job are **\$11.2K below** the state earnings per job of \$69.9K.

- Jobs for your selected industries increased by 2,119 jobs (17.7%) from 2014-2019, outpacing the state growth rate of 12.5%. The industries are projected to increase by 1,688 jobs (12.0%) from 2019-2024, outpacing the state growth rate of 9.6%.
- Regional job concentration for your selected industries is 1.00 times the state job concentration. In other words, there are 0% more jobs at your selected industries in this region than we would expect to find in the average region.
- Cost of labor in the region is below average. The regional earnings per job for your selected industries is \$58.7K, which is \$11.2K below the state average of \$69.9K.

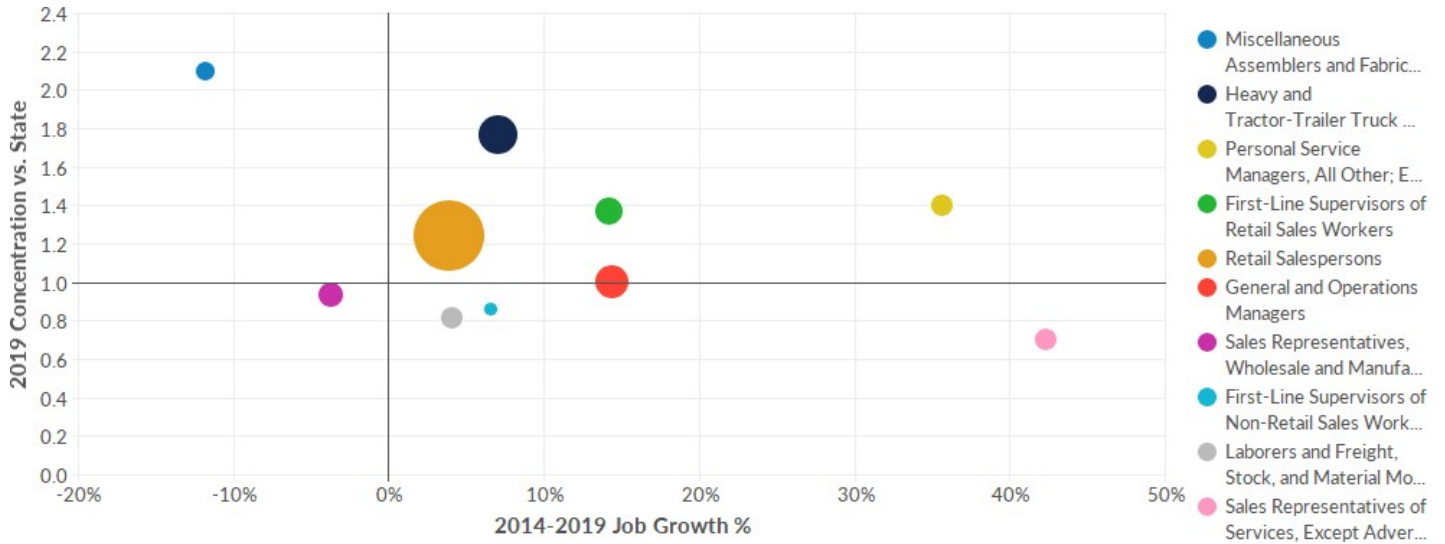
# Regional Trends



Region	2014 Jobs	2019 Jobs	2024 Jobs	Change	2014-2019 Growth %	2019-2024 Growth %
● 2 Colorado ZIPs	11,999	14,117	15,805	3,806	17.7%	12.0%
● State	2,760,276	3,103,939	3,402,065	641,789	12.5%	9.6%

# Workforce Availability

Key occupations for your selected industries have an overall concentration of **1.24**, indicating **above average workforce availability**. These occupations experienced overall job growth of **8.5%** from 2014-2019, indicating that **the regional talent pool is increasing**.



SOC	Key Occupation	Concentration	2014 Job	2019 Jobs	2024 Jobs	Median Hourly Earnings	Average Hourly Earnings
51-2098	Miscellaneous Assemblers and Fabricators	2.10	93	82	91	\$15.37/hr	\$16.26/hr
53-3032	Heavy and Tractor-Trailer Truck Drivers	1.77	229	245	263	\$23.90/hr	\$25.49/hr
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	1.40	85	115	133	\$29.41/hr	\$40.19/hr
41-1011	First-Line Supervisors of Retail Sales Workers	1.37	131	150	170	\$20.71/hr	\$23.80/hr
41-2031	Retail Salespersons	1.25	469	487	539	\$13.27/hr	\$17.43/hr
	Total	1.24	1,516	1,645	1,836		\$28.17/hr

11-1021	General and Operations Managers	1.01	163	186	215	\$48.46/hr	\$58.16/hr
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	0.94	131	126	137	\$30.25/hr	\$33.68/hr
41-1012	First-Line Supervisors of Non-Retail Sales Workers	0.86	30	32	33	\$29.27/hr	\$32.58/hr
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.82	110	114	133	\$16.13/hr	\$16.71/hr
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	0.71	76	108	123	\$29.79/hr	\$37.68/hr
	Total	1.24	1,516	1,645	1,836		\$28.17/hr

# Supply Chain Requirements

## 20%

### Satisfied In-Region

20% of the goods and services that your selected industries require to operate are provided within the region.

NAICS	Industry	Total Requirement	% Satisfied In-Region
903611	Elementary and Secondary Schools (Local Government)*	\$77,726,062	0.0%
551114	Corporate, Subsidiary, and Regional Managing Offices*	\$48,711,980	0.1%
903999	Local Government, Excluding Education and Hospitals*	\$36,202,926	99.9%
324110	Petroleum Refineries*	\$22,534,165	13.1%
531110	Lessors of Residential Buildings and Dwellings*	\$20,405,309	30.2%
522110	Commercial Banking*	\$18,790,811	6.6%
524210	Insurance Agencies and Brokerages*	\$16,565,974	49.6%
331110	Iron and Steel Mills and Ferroalloy Manufacturing*	\$16,559,431	0.0%
531210	Offices of Real Estate Agents and Brokers*	\$15,741,642	68.5%
903622	Hospitals (Local Government)*	\$14,749,550	0.0%

\*Businesses in your selected industries purchase goods and/or services from other businesses in the industries.

# Appendix A - Industries

Code	Description	Code	Description
111000	Crop Production	424430	Dairy Product (except Dried or Canned) Merchant Wholesalers
112000	Animal Production	424440	Poultry and Poultry Product Merchant Wholesalers
113110	Timber Tract Operations	424450	Confectionery Merchant Wholesalers
113210	Forest Nurseries and Gathering of Forest Products	424460	Fish and Seafood Merchant Wholesalers
113310	Logging	424470	Meat and Meat Product Merchant Wholesalers
114111	Finfish Fishing	424480	Fresh Fruit and Vegetable Merchant Wholesalers
114112	Shellfish Fishing	424490	Other Grocery and Related Products Merchant Wholesalers
114119	Other Marine Fishing	424510	Grain and Field Bean Merchant Wholesalers
114210	Hunting and Trapping	424520	Livestock Merchant Wholesalers
115111	Cotton Ginning	424590	Other Farm Product Raw Material Merchant Wholesalers
115112	Soil Preparation, Planting, and Cultivating	424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
115113	Crop Harvesting, Primarily by Machine	424690	Other Chemical and Allied Products Merchant Wholesalers
115114	Postharvest Crop Activities (except Cotton Ginning)	424710	Petroleum Bulk Stations and Terminals



115115	Farm Labor Contractors and Crew Leaders	424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
115116	Farm Management Services	424810	Beer and Ale Merchant Wholesalers
115210	Support Activities for Animal Production	424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
115310	Support Activities for Forestry	424910	Farm Supplies Merchant Wholesalers
211120	Crude Petroleum Extraction	424920	Book, Periodical, and Newspaper Merchant Wholesalers
211130	Natural Gas Extraction	424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
212111	Bituminous Coal and Lignite Surface Mining	424940	Tobacco and Tobacco Product Merchant Wholesalers
212112	Bituminous Coal Underground Mining	424950	Paint, Varnish, and Supplies Merchant Wholesalers
212113	Anthracite Mining	424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
212210	Iron Ore Mining	425110	Business to Business Electronic Markets
212221	Gold Ore Mining	425120	Wholesale Trade Agents and Brokers
212222	Silver Ore Mining	441110	New Car Dealers
212230	Copper, Nickel, Lead, and Zinc Mining	441120	Used Car Dealers
212291	Uranium-Radium-Vanadium Ore Mining	441210	Recreational Vehicle Dealers

212299	All Other Metal Ore Mining	441222	Boat Dealers
212311	Dimension Stone Mining and Quarrying	441228	Motorcycle, ATV, and All Other Motor Vehicle Dealers
212312	Crushed and Broken Limestone Mining and Quarrying	441310	Automotive Parts and Accessories Stores
212313	Crushed and Broken Granite Mining and Quarrying	441320	Tire Dealers
212319	Other Crushed and Broken Stone Mining and Quarrying	442110	Furniture Stores
212321	Construction Sand and Gravel Mining	442210	Floor Covering Stores
212322	Industrial Sand Mining	442291	Window Treatment Stores
212324	Kaolin and Ball Clay Mining	442299	All Other Home Furnishings Stores
212325	Clay and Ceramic and Refractory Minerals Mining	443141	Household Appliance Stores
212391	Potash, Soda, and Borate Mineral Mining	443142	Electronics Stores
212392	Phosphate Rock Mining	444110	Home Centers
212393	Other Chemical and Fertilizer Mineral Mining	444120	Paint and Wallpaper Stores
212399	All Other Nonmetallic Mineral Mining	444130	Hardware Stores
213111	Drilling Oil and Gas Wells	444190	Other Building Material Dealers

213112	Support Activities for Oil and Gas Operations	444210	Outdoor Power Equipment Stores
213113	Support Activities for Coal Mining	444220	Nursery, Garden Center, and Farm Supply Stores
213114	Support Activities for Metal Mining	445110	Supermarkets and Other Grocery (except Convenience) Stores
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	445120	Convenience Stores
221111	Hydroelectric Power Generation	445210	Meat Markets
221112	Fossil Fuel Electric Power Generation	445220	Fish and Seafood Markets
221113	Nuclear Electric Power Generation	445230	Fruit and Vegetable Markets
221114	Solar Electric Power Generation	445291	Baked Goods Stores
221115	Wind Electric Power Generation	445292	Confectionery and Nut Stores
221116	Geothermal Electric Power Generation	445299	All Other Specialty Food Stores
221117	Biomass Electric Power Generation	445310	Beer, Wine, and Liquor Stores
221118	Other Electric Power Generation	446110	Pharmacies and Drug Stores
221121	Electric Bulk Power Transmission and Control	446120	Cosmetics, Beauty Supplies, and Perfume Stores
221122	Electric Power Distribution	446130	Optical Goods Stores

221210	Natural Gas Distribution	446191	Food (Health) Supplement Stores
221310	Water Supply and Irrigation Systems	446199	All Other Health and Personal Care Stores
221320	Sewage Treatment Facilities	447110	Gasoline Stations with Convenience Stores
221330	Steam and Air-Conditioning Supply	447190	Other Gasoline Stations
236115	New Single-Family Housing Construction (except For-Sale Builders)	448110	Men's Clothing Stores
236116	New Multifamily Housing Construction (except For-Sale Builders)	448120	Women's Clothing Stores
236117	New Housing For-Sale Builders	448130	Children's and Infants' Clothing Stores
236118	Residential Remodelers	448140	Family Clothing Stores
236210	Industrial Building Construction	448150	Clothing Accessories Stores
236220	Commercial and Institutional Building Construction	448190	Other Clothing Stores
237110	Water and Sewer Line and Related Structures Construction	448210	Shoe Stores
237120	Oil and Gas Pipeline and Related Structures Construction	448310	Jewelry Stores
237130	Power and Communication Line and Related Structures Construction	448320	Luggage and Leather Goods Stores
237210	Land Subdivision	451110	Sporting Goods Stores

237310	Highway, Street, and Bridge Construction	451120	Hobby, Toy, and Game Stores
237990	Other Heavy and Civil Engineering Construction	451130	Sewing, Needlework, and Piece Goods Stores
238110	Poured Concrete Foundation and Structure Contractors	451140	Musical Instrument and Supplies Stores
238120	Structural Steel and Precast Concrete Contractors	451211	Book Stores
238130	Framing Contractors	451212	News Dealers and Newsstands
238140	Masonry Contractors	452210	Department Stores
238150	Glass and Glazing Contractors	452311	Warehouse Clubs and Supercenters
238160	Roofing Contractors	452319	All Other General Merchandise Stores
238170	Siding Contractors	453110	Florists
238190	Other Foundation, Structure, and Building Exterior Contractors	453210	Office Supplies and Stationery Stores
238210	Electrical Contractors and Other Wiring Installation Contractors	453220	Gift, Novelty, and Souvenir Stores
238220	Plumbing, Heating, and Air-Conditioning Contractors	453310	Used Merchandise Stores
238290	Other Building Equipment Contractors	453910	Pet and Pet Supplies Stores
238310	Drywall and Insulation Contractors	453920	Art Dealers

238320	Painting and Wall Covering Contractors	453930	Manufactured (Mobile) Home Dealers
238330	Flooring Contractors	453991	Tobacco Stores
238340	Tile and Terrazzo Contractors	453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)
238350	Finish Carpentry Contractors	454110	Electronic Shopping and Mail-Order Houses
238390	Other Building Finishing Contractors	454210	Vending Machine Operators
238910	Site Preparation Contractors	454310	Fuel Dealers
238990	All Other Specialty Trade Contractors	454390	Other Direct Selling Establishments
311111	Dog and Cat Food Manufacturing	481111	Scheduled Passenger Air Transportation
311119	Other Animal Food Manufacturing	481112	Scheduled Freight Air Transportation
311211	Flour Milling	481211	Nonscheduled Chartered Passenger Air Transportation
311212	Rice Milling	481212	Nonscheduled Chartered Freight Air Transportation
311213	Malt Manufacturing	481219	Other Nonscheduled Air Transportation
311221	Wet Corn Milling	482110	Rail transportation
311224	Soybean and Other Oilseed Processing	483111	Deep Sea Freight Transportation

311225	Fats and Oils Refining and Blending	483112	Deep Sea Passenger Transportation
311230	Breakfast Cereal Manufacturing	483113	Coastal and Great Lakes Freight Transportation
311313	Beet Sugar Manufacturing	483114	Coastal and Great Lakes Passenger Transportation
311314	Cane Sugar Manufacturing	483211	Inland Water Freight Transportation
311340	Nonchocolate Confectionery Manufacturing	483212	Inland Water Passenger Transportation
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	484110	General Freight Trucking, Local
311352	Confectionery Manufacturing from Purchased Chocolate	484121	General Freight Trucking, Long-Distance, Truckload
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	484122	General Freight Trucking, Long-Distance, Less Than Truckload
311412	Frozen Specialty Food Manufacturing	484210	Used Household and Office Goods Moving
311421	Fruit and Vegetable Canning	484220	Specialized Freight (except Used Goods) Trucking, Local
311422	Specialty Canning	484230	Specialized Freight (except Used Goods) Trucking, Long-Distance
311423	Dried and Dehydrated Food Manufacturing	485111	Mixed Mode Transit Systems
311511	Fluid Milk Manufacturing	485112	Commuter Rail Systems
311512	Creamery Butter Manufacturing	485113	Bus and Other Motor Vehicle Transit Systems

311513	Cheese Manufacturing	485119	Other Urban Transit Systems
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	485210	Interurban and Rural Bus Transportation
311520	Ice Cream and Frozen Dessert Manufacturing	485310	Taxi Service
311611	Animal (except Poultry) Slaughtering	485320	Limousine Service
311612	Meat Processed from Carcasses	485410	School and Employee Bus Transportation
311613	Rendering and Meat Byproduct Processing	485510	Charter Bus Industry
311615	Poultry Processing	485991	Special Needs Transportation
311710	Seafood Product Preparation and Packaging	485999	All Other Transit and Ground Passenger Transportation
311811	Retail Bakeries	486110	Pipeline Transportation of Crude Oil
311812	Commercial Bakeries	486210	Pipeline Transportation of Natural Gas
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	486910	Pipeline Transportation of Refined Petroleum Products
311821	Cookie and Cracker Manufacturing	486990	All Other Pipeline Transportation
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	487110	Scenic and Sightseeing Transportation, Land
311830	Tortilla Manufacturing	487210	Scenic and Sightseeing Transportation, Water



311911	Roasted Nuts and Peanut Butter Manufacturing	487990	Scenic and Sightseeing Transportation, Other
311919	Other Snack Food Manufacturing	488111	Air Traffic Control
311920	Coffee and Tea Manufacturing	488119	Other Airport Operations
311930	Flavoring Syrup and Concentrate Manufacturing	488190	Other Support Activities for Air Transportation
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	488210	Support Activities for Rail Transportation
311942	Spice and Extract Manufacturing	488310	Port and Harbor Operations
311991	Perishable Prepared Food Manufacturing	488320	Marine Cargo Handling
311999	All Other Miscellaneous Food Manufacturing	488330	Navigational Services to Shipping
312111	Soft Drink Manufacturing	488390	Other Support Activities for Water Transportation
312112	Bottled Water Manufacturing	488410	Motor Vehicle Towing
312113	Ice Manufacturing	488490	Other Support Activities for Road Transportation
312120	Breweries	488510	Freight Transportation Arrangement
312130	Wineries	488991	Packing and Crating
312140	Distilleries	488999	All Other Support Activities for Transportation

312230	Tobacco Manufacturing	491110	Postal Service
313110	Fiber, Yarn, and Thread Mills	492110	Couriers and Express Delivery Services
313210	Broadwoven Fabric Mills	492210	Local Messengers and Local Delivery
313220	Narrow Fabric Mills and Schiffli Machine Embroidery	493110	General Warehousing and Storage
313230	Nonwoven Fabric Mills	493120	Refrigerated Warehousing and Storage
313240	Knit Fabric Mills	493130	Farm Product Warehousing and Storage
313310	Textile and Fabric Finishing Mills	493190	Other Warehousing and Storage
313320	Fabric Coating Mills	511110	Newspaper Publishers
314110	Carpet and Rug Mills	511120	Periodical Publishers
314120	Curtain and Linen Mills	511130	Book Publishers
314910	Textile Bag and Canvas Mills	511140	Directory and Mailing List Publishers
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	511191	Greeting Card Publishers
314999	All Other Miscellaneous Textile Product Mills	511199	All Other Publishers
315110	Hosiery and Sock Mills	511210	Software Publishers

315190	Other Apparel Knitting Mills	512110	Motion Picture and Video Production
315210	Cut and Sew Apparel Contractors	512120	Motion Picture and Video Distribution
315220	Men's and Boys' Cut and Sew Apparel Manufacturing	512131	Motion Picture Theaters (except Drive-Ins)
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing	512132	Drive-In Motion Picture Theaters
315280	Other Cut and Sew Apparel Manufacturing	512191	Teleproduction and Other Postproduction Services
315990	Apparel Accessories and Other Apparel Manufacturing	512199	Other Motion Picture and Video Industries
316110	Leather and Hide Tanning and Finishing	512230	Music Publishers
316210	Footwear Manufacturing	512240	Sound Recording Studios
316992	Women's Handbag and Purse Manufacturing	512250	Record Production and Distribution
316998	All Other Leather Good and Allied Product Manufacturing	512290	Other Sound Recording Industries
321113	Sawmills	515111	Radio Networks
321114	Wood Preservation	515112	Radio Stations
321211	Hardwood Veneer and Plywood Manufacturing	515120	Television Broadcasting
321212	Softwood Veneer and Plywood Manufacturing	515210	Cable and Other Subscription Programming

321213	Engineered Wood Member (except Truss) Manufacturing	517311	Wired Telecommunications Carriers
321214	Truss Manufacturing	517312	Wireless Telecommunications Carriers (except Satellite)
321219	Reconstituted Wood Product Manufacturing	517410	Satellite Telecommunications
321911	Wood Window and Door Manufacturing	517911	Telecommunications Resellers
321912	Cut Stock, Resawing Lumber, and Planing	517919	All Other Telecommunications
321918	Other Millwork (including Flooring)	518210	Data Processing, Hosting, and Related Services
321920	Wood Container and Pallet Manufacturing	519110	News Syndicates
321991	Manufactured Home (Mobile Home) Manufacturing	519120	Libraries and Archives
321992	Prefabricated Wood Building Manufacturing	519130	Internet Publishing and Broadcasting and Web Search Portals
321999	All Other Miscellaneous Wood Product Manufacturing	519190	All Other Information Services
322110	Pulp Mills	521110	Monetary Authorities-Central Bank
322121	Paper (except Newsprint) Mills	522110	Commercial Banking
322122	Newsprint Mills	522120	Savings Institutions
322130	Paperboard Mills	522130	Credit Unions

322211	Corrugated and Solid Fiber Box Manufacturing	522190	Other Depository Credit Intermediation
322212	Folding Paperboard Box Manufacturing	522210	Credit Card Issuing
322219	Other Paperboard Container Manufacturing	522220	Sales Financing
322220	Paper Bag and Coated and Treated Paper Manufacturing	522291	Consumer Lending
322230	Stationery Product Manufacturing	522292	Real Estate Credit
322291	Sanitary Paper Product Manufacturing	522293	International Trade Financing
322299	All Other Converted Paper Product Manufacturing	522294	Secondary Market Financing
323111	Commercial Printing (except Screen and Books)	522298	All Other Nondepository Credit Intermediation
323113	Commercial Screen Printing	522310	Mortgage and Nonmortgage Loan Brokers
323117	Books Printing	522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities
323120	Support Activities for Printing	522390	Other Activities Related to Credit Intermediation
324110	Petroleum Refineries	523110	Investment Banking and Securities Dealing
324121	Asphalt Paving Mixture and Block Manufacturing	523120	Securities Brokerage
324122	Asphalt Shingle and Coating Materials Manufacturing	523130	Commodity Contracts Dealing

324101	Petroleum Lubricating Oil and Grease Manufacturing	523110	Commodity Contracts Brokerage
324199	All Other Petroleum and Coal Products Manufacturing	523210	Securities and Commodity Exchanges
325110	Petrochemical Manufacturing	523910	Miscellaneous Intermediation
325120	Industrial Gas Manufacturing	523920	Portfolio Management
325130	Synthetic Dye and Pigment Manufacturing	523930	Investment Advice
325180	Other Basic Inorganic Chemical Manufacturing	523991	Trust, Fiduciary, and Custody Activities
325193	Ethyl Alcohol Manufacturing	523999	Miscellaneous Financial Investment Activities
325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing	524113	Direct Life Insurance Carriers
325199	All Other Basic Organic Chemical Manufacturing	524114	Direct Health and Medical Insurance Carriers
325211	Plastics Material and Resin Manufacturing	524126	Direct Property and Casualty Insurance Carriers
325212	Synthetic Rubber Manufacturing	524127	Direct Title Insurance Carriers
325220	Artificial and Synthetic Fibers and Filaments Manufacturing	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers
325311	Nitrogenous Fertilizer Manufacturing	524130	Reinsurance Carriers
325312	Phosphatic Fertilizer Manufacturing	524210	Insurance Agencies and Brokerages

325314	Fertilizer (Mixing Only) Manufacturing	524291	Claims Adjusting
325320	Pesticide and Other Agricultural Chemical Manufacturing	524292	Third Party Administration of Insurance and Pension Funds
325411	Medicinal and Botanical Manufacturing	524298	All Other Insurance Related Activities
325412	Pharmaceutical Preparation Manufacturing	525110	Pension Funds
325413	In-Vitro Diagnostic Substance Manufacturing	525120	Health and Welfare Funds
325414	Biological Product (except Diagnostic) Manufacturing	525190	Other Insurance Funds
325510	Paint and Coating Manufacturing	525910	Open-End Investment Funds
325520	Adhesive Manufacturing	525920	Trusts, Estates, and Agency Accounts
325611	Soap and Other Detergent Manufacturing	525990	Other Financial Vehicles
325612	Polish and Other Sanitation Good Manufacturing	531110	Lessors of Residential Buildings and Dwellings
325613	Surface Active Agent Manufacturing	531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
325620	Toilet Preparation Manufacturing	531130	Lessors of Miniwarehouses and Self-Storage Units
325910	Printing Ink Manufacturing	531190	Lessors of Other Real Estate Property
325920	Explosives Manufacturing	531210	Offices of Real Estate Agents and Brokers

325991	Custom Compounding of Purchased Resins	531311	Residential Property Managers
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	531312	Nonresidential Property Managers
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	531320	Offices of Real Estate Appraisers
326111	Plastics Bag and Pouch Manufacturing	531390	Other Activities Related to Real Estate
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	532111	Passenger Car Rental
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	532112	Passenger Car Leasing
326121	Unlaminated Plastics Profile Shape Manufacturing	532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing
326122	Plastics Pipe and Pipe Fitting Manufacturing	532210	Consumer Electronics and Appliances Rental
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	532281	Formal Wear and Costume Rental
326140	Polystyrene Foam Product Manufacturing	532282	Video Tape and Disc Rental
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	532283	Home Health Equipment Rental
326160	Plastics Bottle Manufacturing	532284	Recreational Goods Rental
326191	Plastics Plumbing Fixture Manufacturing	532289	All Other Consumer Goods Rental
326199	All Other Plastics Product Manufacturing	532310	General Rental Centers



326211	Tire Manufacturing (except Retreading)	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
326212	Tire Retreading	532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
326220	Rubber and Plastics Hoses and Belting Manufacturing	532420	Office Machinery and Equipment Rental and Leasing
326291	Rubber Product Manufacturing for Mechanical Use	532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing
326299	All Other Rubber Product Manufacturing	533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing	541110	Offices of Lawyers
327120	Clay Building Material and Refractories Manufacturing	541191	Title Abstract and Settlement Offices
327211	Flat Glass Manufacturing	541199	All Other Legal Services
327212	Other Pressed and Blown Glass and Glassware Manufacturing	541211	Offices of Certified Public Accountants
327213	Glass Container Manufacturing	541213	Tax Preparation Services
327215	Glass Product Manufacturing Made of Purchased Glass	541214	Payroll Services
327310	Cement Manufacturing	541219	Other Accounting Services
327320	Ready-Mix Concrete Manufacturing	541310	Architectural Services
327331	Concrete Block and Brick Manufacturing	541320	Landscape Architectural Services



327332	Concrete Pipe Manufacturing	541330	Engineering Services
327390	Other Concrete Product Manufacturing	541340	Drafting Services
327410	Lime Manufacturing	541350	Building Inspection Services
327420	Gypsum Product Manufacturing	541360	Geophysical Surveying and Mapping Services
327910	Abrasive Product Manufacturing	541370	Surveying and Mapping (except Geophysical) Services
327991	Cut Stone and Stone Product Manufacturing	541380	Testing Laboratories
327992	Ground or Treated Mineral and Earth Manufacturing	541410	Interior Design Services
327993	Mineral Wool Manufacturing	541420	Industrial Design Services
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	541430	Graphic Design Services
331110	Iron and Steel Mills and Ferroalloy Manufacturing	541490	Other Specialized Design Services
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	541511	Custom Computer Programming Services
331221	Rolled Steel Shape Manufacturing	541512	Computer Systems Design Services
331222	Steel Wire Drawing	541513	Computer Facilities Management Services
331313	Alumina Refining and Primary Aluminum Production	541519	Other Computer Related Services

331314	Secondary Smelting and Alloying of Aluminum
331315	Aluminum Sheet, Plate, and Foil Manufacturing
331318	Other Aluminum Rolling, Drawing, and Extruding
331410	Nonferrous Metal (except Aluminum) Smelting and Refining
331420	Copper Rolling, Drawing, Extruding, and Alloying
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
331511	Iron Foundries
331512	Steel Investment Foundries
331513	Steel Foundries (except Investment)
331523	Nonferrous Metal Die-Casting Foundries
331524	Aluminum Foundries (except Die-Casting)
331529	Other Nonferrous Metal Foundries (except Die-Casting)
332111	Iron and Steel Forging

541611	Administrative Management and General Management Consulting Services
541612	Human Resources Consulting Services
541613	Marketing Consulting Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541620	Environmental Consulting Services
541690	Other Scientific and Technical Consulting Services
541713	Research and Development in Nanotechnology
541714	Research and Development in Biotechnology (except Nanobiotechnology)
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
541720	Research and Development in the Social Sciences and Humanities
541810	Advertising Agencies
541820	Public Relations Agencies



332112	Nonferrous Forging	541840	Media Representatives
332114	Custom Roll Forming	541850	Outdoor Advertising
332117	Powder Metallurgy Part Manufacturing	541860	Direct Mail Advertising
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	541870	Advertising Material Distribution Services
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	541890	Other Services Related to Advertising
332216	Saw Blade and Handtool Manufacturing	541910	Marketing Research and Public Opinion Polling
332311	Prefabricated Metal Building and Component Manufacturing	541921	Photography Studios, Portrait
332312	Fabricated Structural Metal Manufacturing	541922	Commercial Photography
332313	Plate Work Manufacturing	541930	Translation and Interpretation Services
332321	Metal Window and Door Manufacturing	541940	Veterinary Services
332322	Sheet Metal Work Manufacturing	541990	All Other Professional, Scientific, and Technical Services
332323	Ornamental and Architectural Metal Work Manufacturing	551111	Offices of Bank Holding Companies
332410	Power Boiler and Heat Exchanger Manufacturing	551112	Offices of Other Holding Companies
332420	Metal Tank (Heavy Gauge) Manufacturing	551114	Corporate, Subsidiary, and Regional Managing Offices

332431	Metal Can Manufacturing	561110	Office Administrative Services
332439	Other Metal Container Manufacturing	561210	Facilities Support Services
332510	Hardware Manufacturing	561311	Employment Placement Agencies
332613	Spring Manufacturing	561312	Executive Search Services
332618	Other Fabricated Wire Product Manufacturing	561320	Temporary Help Services
332710	Machine Shops	561330	Professional Employer Organizations
332721	Precision Turned Product Manufacturing	561410	Document Preparation Services
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	561421	Telephone Answering Services
332811	Metal Heat Treating	561422	Telemarketing Bureaus and Other Contact Centers
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	561431	Private Mail Centers
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	561439	Other Business Service Centers (including Copy Shops)
332911	Industrial Valve Manufacturing	561440	Collection Agencies
332912	Fluid Power Valve and Hose Fitting Manufacturing	561450	Credit Bureaus
332913	Plumbing Fixture Fitting and Trim Manufacturing	561491	Repossession Services

332919	Other Metal Valve and Pipe Fitting Manufacturing	561492	Court Reporting and Stenotype Services
332991	Ball and Roller Bearing Manufacturing	561499	All Other Business Support Services
332992	Small Arms Ammunition Manufacturing	561510	Travel Agencies
332993	Ammunition (except Small Arms) Manufacturing	561520	Tour Operators
332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing	561591	Convention and Visitors Bureaus
332996	Fabricated Pipe and Pipe Fitting Manufacturing	561599	All Other Travel Arrangement and Reservation Services
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	561611	Investigation Services
333111	Farm Machinery and Equipment Manufacturing	561612	Security Guards and Patrol Services
	Lawn and Garden Tractor and Home		
333112	Lawn and Garden Equipment Manufacturing	561613	Armored Car Services
333120	Construction Machinery Manufacturing	561621	Security Systems Services (except Locksmiths)
333131	Mining Machinery and Equipment Manufacturing	561622	Locksmiths
333132	Oil and Gas Field Machinery and Equipment Manufacturing	561710	Exterminating and Pest Control Services
333241	Food Product Machinery Manufacturing	561720	Janitorial Services
333242	Semiconductor Machinery Manufacturing	561730	Landscaping Services



333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	561740	Carpet and Upholstery Cleaning Services
333244	Printing Machinery and Equipment Manufacturing	561790	Other Services to Buildings and Dwellings
333249	Other Industrial Machinery Manufacturing	561910	Packaging and Labeling Services
333314	Optical Instrument and Lens Manufacturing	561920	Convention and Trade Show Organizers
333316	Photographic and Photocopying Equipment Manufacturing	561990	All Other Support Services
333318	Other Commercial and Service Industry Machinery Manufacturing	562111	Solid Waste Collection
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	562112	Hazardous Waste Collection
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	562119	Other Waste Collection
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	562211	Hazardous Waste Treatment and Disposal
333511	Industrial Mold Manufacturing	562212	Solid Waste Landfill
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	562213	Solid Waste Combustors and Incinerators
333515	Cutting Tool and Machine Tool Accessory Manufacturing	562219	Other Nonhazardous Waste Treatment and Disposal
333517	Machine Tool Manufacturing	562910	Remediation Services
333519	Rolling Mill and Other Metalworking	562920	Materials Recovery Facilities



333611	Turbine and Turbine Generator Set Units Manufacturing	562991	Septic Tank and Related Services
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	562998	All Other Miscellaneous Waste Management Services
333613	Mechanical Power Transmission Equipment Manufacturing	611110	Elementary and Secondary Schools
333618	Other Engine Equipment Manufacturing	611210	Junior Colleges
333912	Air and Gas Compressor Manufacturing	611310	Colleges, Universities, and Professional Schools
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing	611410	Business and Secretarial Schools
333921	Elevator and Moving Stairway Manufacturing	611420	Computer Training
333922	Conveyor and Conveying Equipment Manufacturing	611430	Professional and Management Development Training
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing	611511	Cosmetology and Barber Schools
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing	611512	Flight Training
333991	Power-Driven Handtool Manufacturing	611513	Apprenticeship Training
333992	Welding and Soldering Equipment Manufacturing	611519	Other Technical and Trade Schools
333993	Packaging Machinery Manufacturing	611610	Fine Arts Schools
333994	Industrial Process Furnace and Oven Manufacturing	611620	Sports and Recreation Instruction

333995	Fluid Power Cylinder and Actuator Manufacturing	611620	Language Schools
333996	Fluid Power Pump and Motor Manufacturing	611691	Exam Preparation and Tutoring
333997	Scale and Balance Manufacturing	611692	Automobile Driving Schools
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	611699	All Other Miscellaneous Schools and Instruction
334111	Electronic Computer Manufacturing	611710	Educational Support Services
334112	Computer Storage Device Manufacturing	621111	Offices of Physicians (except Mental Health Specialists)
334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing	621112	Offices of Physicians, Mental Health Specialists
334210	Telephone Apparatus Manufacturing	621210	Offices of Dentists
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	621310	Offices of Chiropractors
334290	Other Communications Equipment Manufacturing	621320	Offices of Optometrists
334310	Audio and Video Equipment Manufacturing	621330	Offices of Mental Health Practitioners (except Physicians)
334412	Bare Printed Circuit Board Manufacturing	621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
334413	Semiconductor and Related Device Manufacturing	621391	Offices of Podiatrists
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	621399	Offices of All Other Miscellaneous Health Practitioners

334417	Electronic Connector Manufacturing	621410	Family Planning Centers
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	621420	Outpatient Mental Health and Substance Abuse Centers
334419	Other Electronic Component Manufacturing	621491	HMO Medical Centers
	Electromedical and		
334510	Electrotherapeutic Apparatus Manufacturing	621492	Kidney Dialysis Centers
	Search, Detection, Navigation,		Freestanding Ambulatory Surgical
334511	Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	621493	and Emergency Centers
	Automatic Environmental Control	621498	All Other Outpatient Care Centers
334512	Manufacturing for Residential, Commercial, and Appliance Use		
	Instruments and Related Products	621511	Medical Laboratories
334513	Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	621512	Diagnostic Imaging Centers
	Totalizing Fluid Meter and Counting		
334514	Device Manufacturing	621610	Home Health Care Services
	Instrument Manufacturing for		
334515	Measuring and Testing Electricity and Electrical Signals	621910	Ambulance Services
	Analytical Laboratory Instrument	621991	Blood and Organ Banks
334516	Manufacturing		
	Irradiation Apparatus Manufacturing	621999	All Other Miscellaneous Ambulatory Health Care Services
334517			
	Other Measuring and Controlling		Recording Media Manufacturing
334519	Device Manufacturing		
	Blank Magnetic and Optical		
334613			

622110 General  
Medical and  
Surgical  
Hospitals

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622210 Psychiatric and Substance Abuse  
Hospitals

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334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing	622310	Specialty (except Psychiatric and Substance Abuse) Hospitals
335110	Electric Lamp Bulb and Part Manufacturing	623110	Nursing Care Facilities (Skilled Nursing Facilities)
335121	Residential Electric Lighting Fixture Manufacturing	623210	Residential Intellectual and Developmental Disability Facilities
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	623220	Residential Mental Health and Substance Abuse Facilities
335129	Other Lighting Equipment Manufacturing	623311	Continuing Care Retirement Communities
335210	Small Electrical Appliance Manufacturing	623312	Assisted Living Facilities for the Elderly
335220	Major Household Appliance Manufacturing	623990	Other Residential Care Facilities
335311	Power, Distribution, and Specialty Transformer Manufacturing	624110	Child and Youth Services
335312	Motor and Generator Manufacturing	624120	Services for the Elderly and Persons with Disabilities
335313	Switchgear and Switchboard Apparatus Manufacturing	624190	Other Individual and Family Services
335314	Relay and Industrial Control Manufacturing	624210	Community Food Services
335911	Storage Battery Manufacturing	624221	Temporary Shelters
335912	Primary Battery Manufacturing	624229	Other Community Housing Services
335921	Fiber Optic Cable Manufacturing	624230	Emergency and Other Relief Services

335929	Other Communication and Energy Wire Manufacturing	624310	Vocational Rehabilitation Services
335931	Current-Carrying Wiring Device Manufacturing	624410	Child Day Care Services
335932	Noncurrent-Carrying Wiring Device Manufacturing	711110	Theater Companies and Dinner Theaters
335991	Carbon and Graphite Product Manufacturing	711120	Dance Companies
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	711130	Musical Groups and Artists
336111	Automobile Manufacturing	711190	Other Performing Arts Companies
336112	Light Truck and Utility Vehicle Manufacturing	711211	Sports Teams and Clubs
336120	Heavy Duty Truck Manufacturing	711212	Racetracks
336211	Motor Vehicle Body Manufacturing	711219	Other Spectator Sports
336212	Truck Trailer Manufacturing	711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities
336213	Motor Home Manufacturing	711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities
336214	Travel Trailer and Camper Manufacturing		Agents and Managers for Artists,
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	711410	Athletes, Entertainers, and Other Public Figures
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	711510	Independent Artists, Writers, and Performers
		712110	Museums



336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	712120	Historical Sites
336340	Motor Vehicle Brake System Manufacturing	712130	Zoos and Botanical Gardens
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	712190	Nature Parks and Other Similar Institutions
336360	Motor Vehicle Seating and Interior Trim Manufacturing	713110	Amusement and Theme Parks
336370	Motor Vehicle Metal Stamping	713120	Amusement Arcades
336390	Other Motor Vehicle Parts Manufacturing	713210	Casinos (except Casino Hotels)
336411	Aircraft Manufacturing	713290	Other Gambling Industries
336412	Aircraft Engine and Engine Parts Manufacturing	713910	Golf Courses and Country Clubs
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	713920	Skiing Facilities
336414	Guided Missile and Space Vehicle Manufacturing	713930	Marinas
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	713940	Fitness and Recreational Sports Centers
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	713950	Bowling Centers
336510	Railroad Rolling Stock Manufacturing	713990	All Other Amusement and Recreation Industries
336611	Ship Building and Repairing	721110	Hotels (except Casino Hotels) and Motels

336612	Boat Building	721120	Casino Hotels
336991	Motorcycle, Bicycle, and Parts Manufacturing	721191	Bed-and-Breakfast Inns
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing	721199	All Other Traveler Accommodation
336999	All Other Transportation Equipment Manufacturing	721211	RV (Recreational Vehicle) Parks and Campgrounds
337110	Wood Kitchen Cabinet and Countertop Manufacturing	721214	Recreational and Vacation Camps (except Campgrounds)
337121	Upholstered Household Furniture Manufacturing	721310	Rooming and Boarding Houses, Dormitories, and Workers' Camps
337122	Nonupholstered Wood Household Furniture Manufacturing	722310	Food Service Contractors
337124	Metal Household Furniture Manufacturing	722320	Caterers
337125	Household Furniture (except Wood and Metal) Manufacturing	722330	Mobile Food Services
337127	Institutional Furniture Manufacturing	722410	Drinking Places (Alcoholic Beverages)
337211	Wood Office Furniture Manufacturing	722511	Full-Service Restaurants
337212	Custom Architectural Woodwork and Millwork Manufacturing	722513	Limited-Service Restaurants
337214	Office Furniture (except Wood) Manufacturing	722514	Cafeterias, Grill Buffets, and Buffets
337215	Showcase, Partition, Shelving, and Locker Manufacturing	722515	Snack and Nonalcoholic Beverage Bars

337910	Mattress Manufacturing	811111	General Automotive Repair
337920	Blind and Shade Manufacturing	811112	Automotive Exhaust System Repair
339112	Surgical and Medical Instrument Manufacturing	811113	Automotive Transmission Repair
339113	Surgical Appliance and Supplies Manufacturing	811118	Other Automotive Mechanical and Electrical Repair and Maintenance
339114	Dental Equipment and Supplies Manufacturing	811121	Automotive Body, Paint, and Interior Repair and Maintenance
339115	Ophthalmic Goods Manufacturing	811122	Automotive Glass Replacement Shops
339116	Dental Laboratories	811191	Automotive Oil Change and Lubrication Shops
339910	Jewelry and Silverware Manufacturing	811192	Car Washes
339920	Sporting and Athletic Goods Manufacturing	811198	All Other Automotive Repair and Maintenance
339930	Doll, Toy, and Game Manufacturing	811211	Consumer Electronics Repair and Maintenance
339940	Office Supplies (except Paper) Manufacturing	811212	Computer and Office Machine Repair and Maintenance
339950	Sign Manufacturing	811213	Communication Equipment Repair and Maintenance
339991	Gasket, Packing, and Sealing Device Manufacturing	811219	Other Electronic and Precision Equipment Repair and Maintenance
339992	Musical Instrument Manufacturing		Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance

339993	Fastener, Button, Needle, and Pin Manufacturing	811411	Home and Garden Equipment Repair and Maintenance
339994	Broom, Brush, and Mop Manufacturing	811412	Appliance Repair and Maintenance
339995	Burial Casket Manufacturing	811420	Reupholstery and Furniture Repair
339999	All Other Miscellaneous Manufacturing	811430	Footwear and Leather Goods Repair
423110	Automobile and Other Motor Vehicle Merchant Wholesalers	811490	Other Personal and Household Goods Repair and Maintenance
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers	812111	Barber Shops
423130	Tire and Tube Merchant Wholesalers	812112	Beauty Salons
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	812113	Nail Salons
423210	Furniture Merchant Wholesalers	812191	Diet and Weight Reducing Centers
423220	Home Furnishing Merchant Wholesalers	812199	Other Personal Care Services
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers	812210	Funeral Homes and Funeral Services
	Brick, Stone, and Related		
423320	Construction Material Merchant Wholesalers	812220	Cemeteries and Crematories
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	812310	Coin-Operated Laundries and Drycleaners
423390	Other Construction Material Merchant Wholesalers	812320	Drycleaning and Laundry Services (except Coin-Operated)

423410	Photographic Equipment and Supplies Merchant Wholesalers	812331	Linen Supply
423420	Office Equipment Merchant Wholesalers	812332	Industrial Launderers
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	812910	Pet Care (except Veterinary) Services
423440	Other Commercial Equipment Merchant Wholesalers	812921	Photofinishing Laboratories (except One-Hour)
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	812922	One-Hour Photofinishing
423460	Ophthalmic Goods Merchant Wholesalers	812930	Parking Lots and Garages
423490	Other Professional Equipment and Supplies Merchant Wholesalers	812990	All Other Personal Services
423510	Metal Service Centers and Other Metal Merchant Wholesalers	813110	Religious Organizations
423520	Coal and Other Mineral and Ore Merchant Wholesalers	813211	Grantmaking Foundations
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	813212	Voluntary Health Organizations
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers	813219	Other Grantmaking and Giving Services
423690	Other Electronic Parts and Equipment Merchant Wholesalers	813311	Human Rights Organizations
423710	Hardware Merchant Wholesalers	813312	Environment, Conservation and Wildlife Organizations
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	813319	Other Social Advocacy Organizations

423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	813410	Civic and Social Organizations
423740	Refrigeration Equipment and Supplies Merchant Wholesalers	813910	Business Associations
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	813920	Professional Organizations
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	813930	Labor Unions and Similar Labor Organizations
423830	Industrial Machinery and Equipment Merchant Wholesalers	813940	Political Organizations
423840	Industrial Supplies Merchant Wholesalers	813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)
423850	Service Establishment Equipment and Supplies Merchant Wholesalers	814110	Private Households
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	901149	US Postal Service
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers		Wholesalers
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers		
423930	Recyclable Material Merchant Wholesalers		
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers		
423990	Other Miscellaneous Durable Goods Merchant Wholesalers		
424110	Printing and Writing Paper Merchant		

901199 Federal  
Government,  
Civilian, Excluding  
Postal Service

901200 Federal Government, Military

902611 Elementary and  
Secondary Schools (State  
Government)

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902612 Colleges, Universities, and  
Professional Schools (State  
Government)

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902619 All Other Schools and Educational  
Support Services (State Government)

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902622 Hospitals (State Government)

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424120	Stationery and Office Supplies Merchant Wholesalers	902999	State Government, Excluding Education and Hospitals
424130	Industrial and Personal Service Paper Merchant Wholesalers	903611	Elementary and Secondary Schools (Local Government)
424210	Drugs and Druggists' Sundries Merchant Wholesalers	903612	Colleges, Universities, and Professional Schools (Local Government)
424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers	903619	All Other Schools and Educational Support Services (Local Government)
424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers	903622	Hospitals (Local Government)
424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers	903999	Local Government, Excluding Education and Hospitals
424340	Footwear Merchant Wholesalers	999999	Unclassified Industry
424410	General Line Grocery Merchant Wholesalers		
424420	Packaged Frozen Food Merchant Wholesalers		



# Appendix B - Data Sources and Calculations

## ZIP Code Data Disclaimer

Due to a lack of source data at the ZIP code level, Emsi's ZIP-level estimates can be less accurate when looking at a small number of ZIP codes. This is especially likely to occur in rural areas.

## Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

## Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

## Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

## Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

## State Data Sources

This report uses state data from the following agencies: Alaska Department of Labor and Workforce Development; Arizona Department of Administration, Office of Employment and Population Statistics; Arkansas Department of Workforce Services; California Labor Market Information Department; Colorado Department of Labor and Employment; Connecticut did not provide us with a data source; Delaware Office of Occupational and Labor Market Information, Delaware Wages 2004; District of Columbia Department of Employment Services; Florida Department of Economic Opportunity; Georgia Department of Labor, Workforce Information and Analysis, Occupational Information Services Unit; Hawaii Department of Labor and Industrial Relations, Research and Statistics Office; Idaho Department of Labor; Illinois Department of Employment Security, Employment Projections; Indiana Department of Workforce Development; Iowa Workforce Development; Kansas Department of Labor, Labor Market Information Services, Kansas Wage Survey; Kentucky Office of Employment and Training; Louisiana Department of Labor; Maine did not provide us with a data source; Maryland Department of Labor, Licensing and Regulation, Office of Labor Market Analysis and Information; Massachusetts Executive Office of Labor and Workforce Development; Michigan Department of Labor and Economic Growth, Bureau of Labor Market

Information and Strategic Initiatives; Minnesota Department of Employment and Economic Development; Mississippi Department of Employment Security; Missouri Department of Economic Development; Montana Department of Labor and Industry, Research and Analysis Bureau; Nebraska Workforce Development; Nevada Department of Employment, Training and Rehabilitation, Information Development and Processing Division, Research and Analysis Bureau; New Hampshire Department of Employment Security; New Jersey Department of Labor and Workforce Development; New Mexico Department of Labor, Bureau of Economic Research and Analysis; New York Department of Labor, Division of Research and Statistics; North Carolina Department of Commerce, Labor and Economic Analysis Division; North Dakota Job Service, Labor Market Information Center; Ohio Department of Job and Family Services, Labor Market Information Division; Oklahoma Employment Security Commission; Oregon Employment Department, Oregon Labor Market Information System; Pennsylvania Department of Labor and Industry, Center for Workforce Information and Analysis; Rhode Island did not provide us with a data source; South Carolina Employment Security Commission, Labor Market Information Department; South Dakota Department of Labor, Labor Market Information Division; Tennessee Department of Labor and Workforce Development, Research and Statistics Division; Texas Workforce Commission; Utah Department of Workforce Services; Vermont did not provide us with a data source; Virginia Employment Commission, Economic Information Services; Washington State Employment Security Department, Labor Market and Economic Analysis Branch; West Virginia Bureau of Employment Programs, Research Information & Analysis Division; Wisconsin Department of Workforce Development, Bureau of Workforce Information; Wyoming Department of Employment, Research and Planning