

TASK 3C: INDUSTRY CLUSTER STUDY – ECONOMIC VITALITY STRATEGIC PLAN

VOLUME 2: TECHNICAL APPENDICES

Prepared for:

County of Ventura, California

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SUBMITTED BY:



T H E N A T E L S O N D A L E G R O U P , I N C .
24835 LA PALMA AVE SUITE I • YORBA LINDA, CA 92887
O: 714.692.9596 • F: 714.692.9597 • www.natelsondale.com

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APPENDIX C

Cluster Definitions – Component Industries

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Cluster Definitions - Component Industries

NAICS 2012	Industry Description	Cluster Type	Cluster
113110	Timber Tract Operations	Traded	Forestry
113210	Forest Nurseries and Gathering of Forest Products	Traded	Forestry
113310	Logging	Traded	Forestry
114111	Finfish Fishing	Traded	Fishing and Fishing Products
114112	Shellfish Fishing	Traded	Fishing and Fishing Products
114119	Other Marine Fishing	Traded	Fishing and Fishing Products
114210	Hunting and Trapping	Traded	Hospitality and Tourism
115111	Cotton Ginning	Traded	Agricultural Inputs and Services
115112	Soil Preparation, Planting, and Cultivating	Traded	Agricultural Inputs and Services
115113	Crop Harvesting, Primarily by Machine	Traded	Agricultural Inputs and Services
115114	Postharvest Crop Activities (except Cotton Ginning)	Traded	Agricultural Inputs and Services
115115	Farm Labor Contractors and Crew Leaders	Traded	Agricultural Inputs and Services
115116	Farm Management Services	Traded	Agricultural Inputs and Services
115210	Support Activities for Animal Production	Traded	Agricultural Inputs and Services
115310	Support Activities for Forestry	Traded	Forestry
211111	Crude Petroleum and Natural Gas Extraction	Traded	Oil and Gas Production and Transportation
211112	Natural Gas Liquid Extraction	Traded	Oil and Gas Production and Transportation
212111	Bituminous Coal and Lignite Surface Mining	Traded	Coal Mining
212112	Bituminous Coal Underground Mining	Traded	Coal Mining
212113	Anthracite Mining	Traded	Coal Mining
212210	Iron Ore Mining	Traded	Metal Mining
212221	Gold Ore Mining	Traded	Metal Mining
212222	Silver Ore Mining	Traded	Metal Mining
212231	Lead Ore and Zinc Ore Mining	Traded	Metal Mining
212234	Copper Ore and Nickel Ore Mining	Traded	Metal Mining
212291	Uranium-Radium-Vanadium Ore Mining	Traded	Metal Mining
212299	All Other Metal Ore Mining	Traded	Metal Mining
212311	Dimension Stone Mining and Quarrying	Traded	Nonmetal Mining
212312	Crushed and Broken Limestone Mining and Quarrying	Traded	Nonmetal Mining
212313	Crushed and Broken Granite Mining and Quarrying	Traded	Nonmetal Mining
212319	Other Crushed and Broken Stone Mining and Quarrying	Traded	Nonmetal Mining
212321	Construction Sand and Gravel Mining	Traded	Nonmetal Mining
212322	Industrial Sand Mining	Traded	Nonmetal Mining
212324	Kaolin and Ball Clay Mining	Traded	Nonmetal Mining
212325	Clay and Ceramic and Refractory Minerals Mining	Traded	Nonmetal Mining
212391	Potash, Soda, and Borate Mineral Mining	Traded	Nonmetal Mining
212392	Phosphate Rock Mining	Traded	Nonmetal Mining
212393	Other Chemical and Fertilizer Mineral Mining	Traded	Nonmetal Mining
212399	All Other Nonmetallic Mineral Mining	Traded	Nonmetal Mining
213111	Drilling Oil and Gas Wells	Traded	Oil and Gas Production and Transportation
213112	Support Activities for Oil and Gas Operations	Traded	Oil and Gas Production and Transportation
213113	Support Activities for Coal Mining	Traded	Coal Mining
213114	Support Activities for Metal Mining	Traded	Metal Mining
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	Traded	Nonmetal Mining
221111	Hydroelectric Power Generation	Traded	Electric Power Generation and Transmission

NAICS 2012	Industry Description	Cluster Type	Cluster
221112	Fossil Fuel Electric Power Generation	Traded	Electric Power Generation and Transmission
221113	Nuclear Electric Power Generation	Traded	Electric Power Generation and Transmission
221114	Solar Electric Power Generation	Traded	Electric Power Generation and Transmission
221115	Wind Electric Power Generation	Traded	Electric Power Generation and Transmission
221116	Geothermal Electric Power Generation	Traded	Electric Power Generation and Transmission
221117	Biomass Electric Power Generation	Traded	Electric Power Generation and Transmission
221118	Other Electric Power Generation	Traded	Electric Power Generation and Transmission
221121	Electric Bulk Power Transmission and Control	Traded	Electric Power Generation and Transmission
221122	Electric Power Distribution	Local	Local Utilities
221210	Natural Gas Distribution	Local	Local Utilities
221310	Water Supply and Irrigation Systems	Traded	Construction Products and Services
221320	Sewage Treatment Facilities	Local	Local Utilities
221330	Steam and Air-Conditioning Supply	Traded	Construction Products and Services
236115	New Single-Family Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development
236116	New Multifamily Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development
236117	New Housing For-Sale Builders	Local	Local Real Estate, Construction, and Development
236118	Residential Remodelers	Local	Local Real Estate, Construction, and Development
236210	Industrial Building Construction	Traded	Construction Products and Services
236220	Commercial and Institutional Building Construction	Local	Local Real Estate, Construction, and Development
237110	Water and Sewer Line and Related Structures Construction	Local	Local Real Estate, Construction, and Development
237120	Oil and Gas Pipeline and Related Structures Construction	Traded	Construction Products and Services
237130	Power and Communication Line and Related Structures Construction	Traded	Construction Products and Services
237210	Land Subdivision	Local	Local Real Estate, Construction, and Development
237310	Highway, Street, and Bridge Construction	Local	Local Real Estate, Construction, and Development
237990	Other Heavy and Civil Engineering Construction	Traded	Construction Products and Services
238110	Poured Concrete Foundation and Structure Contractors	Local	Local Real Estate, Construction, and Development
238120	Structural Steel and Precast Concrete Contractors	Local	Local Real Estate, Construction, and Development
238130	Framing Contractors	Local	Local Real Estate, Construction, and Development
238140	Masonry Contractors	Local	Local Real Estate, Construction, and Development
238150	Glass and Glazing Contractors	Local	Local Real Estate, Construction, and Development
238160	Roofing Contractors	Local	Local Real Estate, Construction, and Development
238170	Siding Contractors	Local	Local Real Estate, Construction, and Development
238190	Other Foundation, Structure, and Building Exterior Contractors	Local	Local Real Estate, Construction, and Development
238210	Electrical Contractors and Other Wiring Installation Contractors	Local	Local Real Estate, Construction, and Development
238220	Plumbing, Heating, and Air-Conditioning Contractors	Local	Local Real Estate, Construction, and Development
238290	Other Building Equipment Contractors	Local	Local Real Estate, Construction, and Development
238310	Drywall and Insulation Contractors	Local	Local Real Estate, Construction, and Development
238320	Painting and Wall Covering Contractors	Local	Local Real Estate, Construction, and Development
238330	Flooring Contractors	Local	Local Real Estate, Construction, and Development
238340	Tile and Terrazzo Contractors	Local	Local Real Estate, Construction, and Development
238350	Finish Carpentry Contractors	Local	Local Real Estate, Construction, and Development
238390	Other Building Finishing Contractors	Local	Local Real Estate, Construction, and Development
238910	Site Preparation Contractors	Local	Local Real Estate, Construction, and Development
238990	All Other Specialty Trade Contractors	Local	Local Real Estate, Construction, and Development
311111	Dog and Cat Food Manufacturing	Traded	Food Processing and Manufacturing
311119	Other Animal Food Manufacturing	Traded	Food Processing and Manufacturing
311211	Flour Milling	Traded	Food Processing and Manufacturing
311212	Rice Milling	Traded	Food Processing and Manufacturing
311213	Malt Manufacturing	Traded	Food Processing and Manufacturing

NAICS 2012	Industry Description	Cluster Type	Cluster
311221	Wet Corn Milling	Traded	Food Processing and Manufacturing
311224	Soybean and Other Oilseed Processing	Traded	Food Processing and Manufacturing
311225	Fats and Oils Refining and Blending	Traded	Food Processing and Manufacturing
311230	Breakfast Cereal Manufacturing	Traded	Food Processing and Manufacturing
311313	Beet Sugar Manufacturing	Traded	Food Processing and Manufacturing
311314	Cane Sugar Manufacturing	Traded	Food Processing and Manufacturing
311340	Nonchocolate Confectionery Manufacturing	Traded	Food Processing and Manufacturing
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	Traded	Food Processing and Manufacturing
311352	Confectionery Manufacturing from Purchased Chocolate	Traded	Food Processing and Manufacturing
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	Traded	Food Processing and Manufacturing
311412	Frozen Specialty Food Manufacturing	Traded	Food Processing and Manufacturing
311421	Fruit and Vegetable Canning	Traded	Food Processing and Manufacturing
311422	Specialty Canning	Traded	Food Processing and Manufacturing
311423	Dried and Dehydrated Food Manufacturing	Traded	Food Processing and Manufacturing
311511	Fluid Milk Manufacturing	Traded	Food Processing and Manufacturing
311512	Creamery Butter Manufacturing	Traded	Food Processing and Manufacturing
311513	Cheese Manufacturing	Traded	Food Processing and Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	Traded	Food Processing and Manufacturing
311520	Ice Cream and Frozen Dessert Manufacturing	Traded	Food Processing and Manufacturing
311611	Animal (except Poultry) Slaughtering	Traded	Livestock Processing
311612	Meat Processed from Carcasses	Traded	Livestock Processing
311613	Rendering and Meat Byproduct Processing	Traded	Livestock Processing
311615	Poultry Processing	Traded	Livestock Processing
311710	Seafood Product Preparation and Packaging	Traded	Fishing and Fishing Products
311811	Retail Bakeries	Local	Local Food and Beverage Processing and Distribution
311812	Commercial Bakeries	Local	Local Food and Beverage Processing and Distribution
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	Traded	Food Processing and Manufacturing
311821	Cookie and Cracker Manufacturing	Traded	Food Processing and Manufacturing
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	Traded	Food Processing and Manufacturing
311830	Tortilla Manufacturing	Traded	Food Processing and Manufacturing
311911	Roasted Nuts and Peanut Butter Manufacturing	Traded	Food Processing and Manufacturing
311919	Other Snack Food Manufacturing	Traded	Food Processing and Manufacturing
311920	Coffee and Tea Manufacturing	Traded	Food Processing and Manufacturing
311930	Flavoring Syrup and Concentrate Manufacturing	Traded	Food Processing and Manufacturing
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	Traded	Food Processing and Manufacturing
311942	Spice and Extract Manufacturing	Traded	Food Processing and Manufacturing
311991	Perishable Prepared Food Manufacturing	Traded	Food Processing and Manufacturing
311999	All Other Miscellaneous Food Manufacturing	Traded	Food Processing and Manufacturing
312111	Soft Drink Manufacturing	Traded	Food Processing and Manufacturing
312112	Bottled Water Manufacturing	Traded	Food Processing and Manufacturing
312113	Ice Manufacturing	Traded	Food Processing and Manufacturing
312120	Breweries	Traded	Food Processing and Manufacturing
312130	Wineries	Traded	Food Processing and Manufacturing
312140	Distilleries	Traded	Food Processing and Manufacturing
312230	Tobacco Manufacturing	Traded	Tobacco
313110	Fiber, Yarn, and Thread Mills	Traded	Textile Manufacturing
313210	Broadwoven Fabric Mills	Traded	Textile Manufacturing
313220	Narrow Fabric Mills and Schiffli Machine Embroidery	Traded	Textile Manufacturing
313230	Nonwoven Fabric Mills	Traded	Textile Manufacturing

NAICS 2012	Industry Description	Cluster Type	Cluster
313240	Knit Fabric Mills	Traded	Textile Manufacturing
313310	Textile and Fabric Finishing Mills	Traded	Textile Manufacturing
313320	Fabric Coating Mills	Traded	Textile Manufacturing
314110	Carpet and Rug Mills	Traded	Textile Manufacturing
314120	Curtain and Linen Mills	Traded	Textile Manufacturing
314910	Textile Bag and Canvas Mills	Traded	Leather and Related Products
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	Traded	Textile Manufacturing
314999	All Other Miscellaneous Textile Product Mills	Traded	Apparel
315110	Hosiery and Sock Mills	Traded	Textile Manufacturing
315190	Other Apparel Knitting Mills	Traded	Textile Manufacturing
315210	Cut and Sew Apparel Contractors	Traded	Apparel
315220	Men's and Boys' Cut and Sew Apparel Manufacturing	Traded	Apparel
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing	Traded	Apparel
315280	Other Cut and Sew Apparel Manufacturing	Traded	Apparel
315990	Apparel Accessories and Other Apparel Manufacturing	Traded	Apparel
316110	Leather and Hide Tanning and Finishing	Traded	Footwear
316210	Footwear Manufacturing	Traded	Footwear
316992	Women's Handbag and Purse Manufacturing	Traded	Leather and Related Products
316998	All Other Leather Good and Allied Product Manufacturing	Traded	Leather and Related Products
321113	Sawmills	Traded	Wood Products
321114	Wood Preservation	Traded	Wood Products
321211	Hardwood Veneer and Plywood Manufacturing	Traded	Wood Products
321212	Softwood Veneer and Plywood Manufacturing	Traded	Wood Products
321213	Engineered Wood Member (except Truss) Manufacturing	Traded	Wood Products
321214	Truss Manufacturing	Traded	Wood Products
321219	Reconstituted Wood Product Manufacturing	Traded	Wood Products
321911	Wood Window and Door Manufacturing	Traded	Wood Products
321912	Cut Stock, Resawing Lumber, and Planing	Traded	Wood Products
321918	Other Millwork (including Flooring)	Traded	Wood Products
321920	Wood Container and Pallet Manufacturing	Traded	Wood Products
321991	Manufactured Home (Mobile Home) Manufacturing	Traded	Furniture
321992	Prefabricated Wood Building Manufacturing	Traded	Wood Products
321999	All Other Miscellaneous Wood Product Manufacturing	Traded	Wood Products
322110	Pulp Mills	Traded	Paper and Packaging
322121	Paper (except Newsprint) Mills	Traded	Paper and Packaging
322122	Newsprint Mills	Traded	Paper and Packaging
322130	Paperboard Mills	Traded	Paper and Packaging
322211	Corrugated and Solid Fiber Box Manufacturing	Traded	Paper and Packaging
322212	Folding Paperboard Box Manufacturing	Traded	Paper and Packaging
322219	Other Paperboard Container Manufacturing	Traded	Paper and Packaging
322220	Paper Bag and Coated and Treated Paper Manufacturing	Traded	Paper and Packaging
322230	Stationery Product Manufacturing	Traded	Paper and Packaging
322291	Sanitary Paper Product Manufacturing	Traded	Paper and Packaging
322299	All Other Converted Paper Product Manufacturing	Traded	Paper and Packaging
323111	Commercial Printing (except Screen and Books)	Traded	Printing Services
323113	Commercial Screen Printing	Traded	Printing Services
323117	Books Printing	Traded	Printing Services
323120	Support Activities for Printing	Traded	Printing Services
324110	Petroleum Refineries	Traded	Oil and Gas Production and Transportation

NAICS 2012	Industry Description	Cluster Type	Cluster
324121	Asphalt Paving Mixture and Block Manufacturing	Traded	Construction Products and Services
324122	Asphalt Shingle and Coating Materials Manufacturing	Traded	Construction Products and Services
324191	Petroleum Lubricating Oil and Grease Manufacturing	Traded	Downstream Chemical Products
324199	All Other Petroleum and Coal Products Manufacturing	Traded	Oil and Gas Production and Transportation
325110	Petrochemical Manufacturing	Traded	Upstream Chemical Products
325120	Industrial Gas Manufacturing	Traded	Upstream Chemical Products
325130	Synthetic Dye and Pigment Manufacturing	Traded	Downstream Chemical Products
325180	Other Basic Inorganic Chemical Manufacturing	Traded	Upstream Chemical Products
325193	Ethyl Alcohol Manufacturing	Traded	Upstream Chemical Products
325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing	Traded	Upstream Chemical Products
325199	All Other Basic Organic Chemical Manufacturing	Traded	Upstream Chemical Products
325211	Plastics Material and Resin Manufacturing	Traded	Plastics
325212	Synthetic Rubber Manufacturing	Traded	Upstream Chemical Products
325220	Artificial and Synthetic Fibers and Filaments Manufacturing	Traded	Textile Manufacturing
325311	Nitrogenous Fertilizer Manufacturing	Traded	Agricultural Inputs and Services
325312	Phosphatic Fertilizer Manufacturing	Traded	Upstream Chemical Products
325314	Fertilizer (Mixing Only) Manufacturing	Traded	Agricultural Inputs and Services
325320	Pesticide and Other Agricultural Chemical Manufacturing	Traded	Upstream Chemical Products
325411	Medicinal and Botanical Manufacturing	Traded	Biopharmaceuticals
325412	Pharmaceutical Preparation Manufacturing	Traded	Biopharmaceuticals
325413	In-Vitro Diagnostic Substance Manufacturing	Traded	Biopharmaceuticals
325414	Biological Product (except Diagnostic) Manufacturing	Traded	Biopharmaceuticals
325510	Paint and Coating Manufacturing	Traded	Downstream Chemical Products
325520	Adhesive Manufacturing	Traded	Downstream Chemical Products
325611	Soap and Other Detergent Manufacturing	Traded	Downstream Chemical Products
325612	Polish and Other Sanitation Good Manufacturing	Traded	Downstream Chemical Products
325613	Surface Active Agent Manufacturing	Traded	Downstream Chemical Products
325620	Toilet Preparation Manufacturing	Traded	Downstream Chemical Products
325910	Printing Ink Manufacturing	Traded	Printing Services
325920	Explosives Manufacturing	Traded	Downstream Chemical Products
325991	Custom Compounding of Purchased Resins	Traded	Downstream Chemical Products
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	Traded	Downstream Chemical Products
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	Traded	Downstream Chemical Products
326111	Plastics Bag and Pouch Manufacturing	Traded	Plastics
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	Traded	Plastics
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	Traded	Plastics
326121	Unlaminated Plastics Profile Shape Manufacturing	Traded	Plastics
326122	Plastics Pipe and Pipe Fitting Manufacturing	Traded	Plastics
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Traded	Plastics
326140	Polystyrene Foam Product Manufacturing	Traded	Plastics
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Traded	Plastics
326160	Plastics Bottle Manufacturing	Traded	Plastics
326191	Plastics Plumbing Fixture Manufacturing	Traded	Plastics
326199	All Other Plastics Product Manufacturing	Traded	Plastics
326211	Tire Manufacturing (except Retreading)	Traded	Vulcanized and Fired Materials
326212	Tire Retreading	Traded	Vulcanized and Fired Materials
326220	Rubber and Plastics Hoses and Belting Manufacturing	Traded	Vulcanized and Fired Materials
326291	Rubber Product Manufacturing for Mechanical Use	Traded	Vulcanized and Fired Materials
326299	All Other Rubber Product Manufacturing	Traded	Vulcanized and Fired Materials

NAICS 2012	Industry Description	Cluster Type	Cluster
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing	Traded	Vulcanized and Fired Materials
327120	Clay Building Material and Refractories Manufacturing	Traded	Vulcanized and Fired Materials
327211	Flat Glass Manufacturing	Traded	Vulcanized and Fired Materials
327212	Other Pressed and Blown Glass and Glassware Manufacturing	Traded	Vulcanized and Fired Materials
327213	Glass Container Manufacturing	Traded	Food Processing and Manufacturing
327215	Glass Product Manufacturing Made of Purchased Glass	Traded	Vulcanized and Fired Materials
327310	Cement Manufacturing	Traded	Construction Products and Services
327320	Ready-Mix Concrete Manufacturing	Local	Local Real Estate, Construction, and Development
327331	Concrete Block and Brick Manufacturing	Traded	Construction Products and Services
327332	Concrete Pipe Manufacturing	Traded	Construction Products and Services
327390	Other Concrete Product Manufacturing	Local	Local Real Estate, Construction, and Development
327410	Lime Manufacturing	Traded	Construction Products and Services
327420	Gypsum Product Manufacturing	Traded	Construction Products and Services
327910	Abrasive Product Manufacturing	Traded	Metalworking Technology
327991	Cut Stone and Stone Product Manufacturing	Traded	Construction Products and Services
327992	Ground or Treated Mineral and Earth Manufacturing	Traded	Vulcanized and Fired Materials
327993	Mineral Wool Manufacturing	Traded	Construction Products and Services
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	Traded	Construction Products and Services
331110	Iron and Steel Mills and Ferroalloy Manufacturing	Traded	Upstream Metal Manufacturing
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	Traded	Upstream Metal Manufacturing
331221	Rolled Steel Shape Manufacturing	Traded	Upstream Metal Manufacturing
331222	Steel Wire Drawing	Traded	Upstream Metal Manufacturing
331313	Alumina Refining and Primary Aluminum Production	Traded	Upstream Metal Manufacturing
331314	Secondary Smelting and Alloying of Aluminum	Traded	Upstream Metal Manufacturing
331315	Aluminum Sheet, Plate, and Foil Manufacturing	Traded	Upstream Metal Manufacturing
331318	Other Aluminum Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	Traded	Upstream Metal Manufacturing
331420	Copper Rolling, Drawing, Extruding, and Alloying	Traded	Upstream Metal Manufacturing
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	Traded	Upstream Metal Manufacturing
331511	Iron Foundries	Traded	Automotive
331512	Steel Investment Foundries	Traded	Automotive
331513	Steel Foundries (except Investment)	Traded	Automotive
331523	Nonferrous Metal Die-Casting Foundries	Traded	Automotive
331524	Aluminum Foundries (except Die-Casting)	Traded	Automotive
331529	Other Nonferrous Metal Foundries (except Die-Casting)	Traded	Automotive
332111	Iron and Steel Forging	Traded	Upstream Metal Manufacturing
332112	Nonferrous Forging	Traded	Upstream Metal Manufacturing
332114	Custom Roll Forming	Traded	Automotive
332117	Powder Metallurgy Part Manufacturing	Traded	Upstream Metal Manufacturing
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	Traded	Upstream Metal Manufacturing
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	Traded	Downstream Metal Products
332216	Saw Blade and Handtool Manufacturing	Traded	Downstream Metal Products
332311	Prefabricated Metal Building and Component Manufacturing	Traded	Downstream Metal Products
332312	Fabricated Structural Metal Manufacturing	Traded	Downstream Metal Products
332313	Plate Work Manufacturing	Traded	Metalworking Technology
332321	Metal Window and Door Manufacturing	Traded	Downstream Metal Products
332322	Sheet Metal Work Manufacturing	Local	Local Real Estate, Construction, and Development
332323	Ornamental and Architectural Metal Work Manufacturing	Traded	Downstream Metal Products

NAICS 2012	Industry Description	Cluster Type	Cluster
332410	Power Boiler and Heat Exchanger Manufacturing	Traded	Construction Products and Services
332420	Metal Tank (Heavy Gauge) Manufacturing	Traded	Construction Products and Services
332431	Metal Can Manufacturing	Traded	Downstream Metal Products
332439	Other Metal Container Manufacturing	Traded	Downstream Metal Products
332510	Hardware Manufacturing	Traded	Downstream Metal Products
332613	Spring Manufacturing	Traded	Upstream Metal Manufacturing
332618	Other Fabricated Wire Product Manufacturing	Traded	Upstream Metal Manufacturing
332710	Machine Shops	Local	Local Industrial Products and Services
332721	Precision Turned Product Manufacturing	Traded	Metalworking Technology
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	Traded	Metalworking Technology
332811	Metal Heat Treating	Traded	Metalworking Technology
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	Traded	Metalworking Technology
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	Traded	Metalworking Technology
332911	Industrial Valve Manufacturing	Traded	Production Technology and Heavy Machinery
332912	Fluid Power Valve and Hose Fitting Manufacturing	Traded	Production Technology and Heavy Machinery
332913	Plumbing Fixture Fitting and Trim Manufacturing	Traded	Construction Products and Services
332919	Other Metal Valve and Pipe Fitting Manufacturing	Traded	Production Technology and Heavy Machinery
332991	Ball and Roller Bearing Manufacturing	Traded	Production Technology and Heavy Machinery
332992	Small Arms Ammunition Manufacturing	Traded	Downstream Metal Products
332993	Ammunition (except Small Arms) Manufacturing	Traded	Downstream Metal Products
332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing	Traded	Downstream Metal Products
332996	Fabricated Pipe and Pipe Fitting Manufacturing	Traded	Construction Products and Services
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Traded	Downstream Metal Products
333111	Farm Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333120	Construction Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333131	Mining Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333132	Oil and Gas Field Machinery and Equipment Manufacturing	Traded	Oil and Gas Production and Transportation
333241	Food Product Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333242	Semiconductor Machinery Manufacturing	Traded	Information Technology and Analytical Instruments
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333244	Printing Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333249	Other Industrial Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333314	Optical Instrument and Lens Manufacturing	Traded	Medical Devices
333316	Photographic and Photocopying Equipment Manufacturing	Traded	Information Technology and Analytical Instruments
333318	Other Commercial and Service Industry Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	Traded	Production Technology and Heavy Machinery
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333511	Industrial Mold Manufacturing	Traded	Metalworking Technology
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	Traded	Metalworking Technology
333515	Cutting Tool and Machine Tool Accessory Manufacturing	Traded	Metalworking Technology
333517	Machine Tool Manufacturing	Traded	Metalworking Technology
333519	Rolling Mill and Other Metalworking Machinery Manufacturing	Traded	Metalworking Technology
333611	Turbine and Turbine Generator Set Units Manufacturing	Traded	Production Technology and Heavy Machinery
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	Traded	Production Technology and Heavy Machinery
333613	Mechanical Power Transmission Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333618	Other Engine Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333911	Pump and Pumping Equipment Manufacturing	Traded	Production Technology and Heavy Machinery

NAICS 2012	Industry Description	Cluster Type	Cluster
333912	Air and Gas Compressor Manufacturing	Traded	Production Technology and Heavy Machinery
333913	Measuring and Dispensing Pump Manufacturing	Traded	Production Technology and Heavy Machinery
333921	Elevator and Moving Stairway Manufacturing	Traded	Production Technology and Heavy Machinery
333922	Conveyor and Conveying Equipment Manufacturing	Traded	Production Technology and Heavy Machinery
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing	Traded	Production Technology and Heavy Machinery
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333991	Power-Driven Handtool Manufacturing	Traded	Metalworking Technology
333992	Welding and Soldering Equipment Manufacturing	Traded	Metalworking Technology
333993	Packaging Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
333994	Industrial Process Furnace and Oven Manufacturing	Traded	Production Technology and Heavy Machinery
333995	Fluid Power Cylinder and Actuator Manufacturing	Traded	Production Technology and Heavy Machinery
333996	Fluid Power Pump and Motor Manufacturing	Traded	Production Technology and Heavy Machinery
333997	Scale and Balance Manufacturing	Traded	Production Technology and Heavy Machinery
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	Traded	Production Technology and Heavy Machinery
334111	Electronic Computer Manufacturing	Traded	Information Technology and Analytical Instruments
334112	Computer Storage Device Manufacturing	Traded	Information Technology and Analytical Instruments
334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing	Traded	Information Technology and Analytical Instruments
334210	Telephone Apparatus Manufacturing	Traded	Communications Equipment and Services
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	Traded	Communications Equipment and Services
334290	Other Communications Equipment Manufacturing	Traded	Communications Equipment and Services
334310	Audio and Video Equipment Manufacturing	Traded	Information Technology and Analytical Instruments
334412	Bare Printed Circuit Board Manufacturing	Traded	Information Technology and Analytical Instruments
334413	Semiconductor and Related Device Manufacturing	Traded	Information Technology and Analytical Instruments
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	Traded	Information Technology and Analytical Instruments
334417	Electronic Connector Manufacturing	Traded	Information Technology and Analytical Instruments
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	Traded	Information Technology and Analytical Instruments
334419	Other Electronic Component Manufacturing	Traded	Information Technology and Analytical Instruments
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	Traded	Aerospace Vehicles and Defense
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	Traded	Information Technology and Analytical Instruments
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	Traded	Information Technology and Analytical Instruments
334514	Totalizing Fluid Meter and Counting Device Manufacturing	Traded	Information Technology and Analytical Instruments
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	Traded	Information Technology and Analytical Instruments
334516	Analytical Laboratory Instrument Manufacturing	Traded	Information Technology and Analytical Instruments
334517	Irradiation Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments
334519	Other Measuring and Controlling Device Manufacturing	Traded	Information Technology and Analytical Instruments
334613	Blank Magnetic and Optical Recording Media Manufacturing	Traded	Information Technology and Analytical Instruments
334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing	Traded	Information Technology and Analytical Instruments
335110	Electric Lamp Bulb and Part Manufacturing	Traded	Lighting and Electrical Equipment
335121	Residential Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment
335129	Other Lighting Equipment Manufacturing	Traded	Lighting and Electrical Equipment
335210	Small Electrical Appliance Manufacturing	Traded	Recreational and Small Electric Goods
335221	Household Cooking Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances
335222	Household Refrigerator and Home Freezer Manufacturing	Traded	Trailers, Motor Homes, and Appliances
335224	Household Laundry Equipment Manufacturing	Traded	Trailers, Motor Homes, and Appliances
335228	Other Major Household Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances
335311	Power, Distribution, and Specialty Transformer Manufacturing	Traded	Lighting and Electrical Equipment
335312	Motor and Generator Manufacturing	Traded	Lighting and Electrical Equipment

NAICS 2012	Industry Description	Cluster Type	Cluster
335313	Switchgear and Switchboard Apparatus Manufacturing	Traded	Lighting and Electrical Equipment
335314	Relay and Industrial Control Manufacturing	Traded	Lighting and Electrical Equipment
335911	Storage Battery Manufacturing	Traded	Lighting and Electrical Equipment
335912	Primary Battery Manufacturing	Traded	Communications Equipment and Services
335921	Fiber Optic Cable Manufacturing	Traded	Lighting and Electrical Equipment
335929	Other Communication and Energy Wire Manufacturing	Traded	Lighting and Electrical Equipment
335931	Current-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment
335932	Noncurrent-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment
335991	Carbon and Graphite Product Manufacturing	Traded	Lighting and Electrical Equipment
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	Traded	Lighting and Electrical Equipment
336111	Automobile Manufacturing	Traded	Automotive
336112	Light Truck and Utility Vehicle Manufacturing	Traded	Automotive
336120	Heavy Duty Truck Manufacturing	Traded	Automotive
336211	Motor Vehicle Body Manufacturing	Traded	Automotive
336212	Truck Trailer Manufacturing	Traded	Trailers, Motor Homes, and Appliances
336213	Motor Home Manufacturing	Traded	Trailers, Motor Homes, and Appliances
336214	Travel Trailer and Camper Manufacturing	Traded	Trailers, Motor Homes, and Appliances
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	Traded	Automotive
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	Traded	Automotive
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	Traded	Automotive
336340	Motor Vehicle Brake System Manufacturing	Traded	Automotive
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	Traded	Automotive
336360	Motor Vehicle Seating and Interior Trim Manufacturing	Traded	Automotive
336370	Motor Vehicle Metal Stamping	Traded	Automotive
336390	Other Motor Vehicle Parts Manufacturing	Traded	Automotive
336411	Aircraft Manufacturing	Traded	Aerospace Vehicles and Defense
336412	Aircraft Engine and Engine Parts Manufacturing	Traded	Aerospace Vehicles and Defense
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense
336414	Guided Missile and Space Vehicle Manufacturing	Traded	Aerospace Vehicles and Defense
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	Traded	Aerospace Vehicles and Defense
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense
336510	Railroad Rolling Stock Manufacturing	Traded	Production Technology and Heavy Machinery
336611	Ship Building and Repairing	Traded	Water Transportation
336612	Boat Building	Traded	Water Transportation
336991	Motorcycle, Bicycle, and Parts Manufacturing	Traded	Recreational and Small Electric Goods
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing	Traded	Automotive
336999	All Other Transportation Equipment Manufacturing	Traded	Automotive
337110	Wood Kitchen Cabinet and Countertop Manufacturing	Traded	Furniture
337121	Upholstered Household Furniture Manufacturing	Traded	Furniture
337122	Nonupholstered Wood Household Furniture Manufacturing	Traded	Furniture
337124	Metal Household Furniture Manufacturing	Traded	Furniture
337125	Household Furniture (except Wood and Metal) Manufacturing	Traded	Furniture
337127	Institutional Furniture Manufacturing	Traded	Furniture
337211	Wood Office Furniture Manufacturing	Traded	Furniture
337212	Custom Architectural Woodwork and Millwork Manufacturing	Local	Local Real Estate, Construction, and Development
337214	Office Furniture (except Wood) Manufacturing	Traded	Furniture
337215	Showcase, Partition, Shelving, and Locker Manufacturing	Traded	Furniture
337910	Mattress Manufacturing	Traded	Furniture
337920	Blind and Shade Manufacturing	Traded	Recreational and Small Electric Goods

NAICS 2012	Industry Description	Cluster Type	Cluster
339112	Surgical and Medical Instrument Manufacturing	Traded	Medical Devices
339113	Surgical Appliance and Supplies Manufacturing	Traded	Medical Devices
339114	Dental Equipment and Supplies Manufacturing	Traded	Medical Devices
339115	Ophthalmic Goods Manufacturing	Traded	Medical Devices
339116	Dental Laboratories	Local	Local Health Services
339910	Jewelry and Silverware Manufacturing	Traded	Jewelry and Precious Metals
339920	Sporting and Athletic Goods Manufacturing	Traded	Recreational and Small Electric Goods
339930	Doll, Toy, and Game Manufacturing	Traded	Recreational and Small Electric Goods
339940	Office Supplies (except Paper) Manufacturing	Traded	Recreational and Small Electric Goods
339950	Sign Manufacturing	Local	Local Commercial Services
339991	Gasket, Packing, and Sealing Device Manufacturing	Traded	Production Technology and Heavy Machinery
339992	Musical Instrument Manufacturing	Traded	Recreational and Small Electric Goods
339993	Fastener, Button, Needle, and Pin Manufacturing	Traded	Recreational and Small Electric Goods
339994	Broom, Brush, and Mop Manufacturing	Traded	Plastics
339995	Burial Casket Manufacturing	Traded	Trailers, Motor Homes, and Appliances
339999	All Other Miscellaneous Manufacturing	Traded	Recreational and Small Electric Goods
423110	Automobile and Other Motor Vehicle Merchant Wholesalers	Local	Local Motor Vehicle Products and Services
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers	Local	Local Motor Vehicle Products and Services
423130	Tire and Tube Merchant Wholesalers	Local	Local Motor Vehicle Products and Services
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	Local	Local Motor Vehicle Products and Services
423210	Furniture Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423220	Home Furnishing Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423320	Brick, Stone, and Related Construction Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423390	Other Construction Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423410	Photographic Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423420	Office Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423440	Other Commercial Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423460	Ophthalmic Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423490	Other Professional Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423510	Metal Service Centers and Other Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423520	Coal and Other Mineral and Ore Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423690	Other Electronic Parts and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423710	Hardware Merchant Wholesalers	Local	Local Household Goods and Services
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423740	Refrigeration Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423830	Industrial Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423840	Industrial Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423850	Service Establishment Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce

NAICS 2012	Industry Description	Cluster Type	Cluster
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423930	Recyclable Material Merchant Wholesalers	Local	Local Industrial Products and Services
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce
423990	Other Miscellaneous Durable Goods Merchant Wholesalers	Local	Local Industrial Products and Services
424110	Printing and Writing Paper Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424120	Stationery and Office Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424130	Industrial and Personal Service Paper Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424210	Drugs and Druggists' Sundries Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424340	Footwear Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424410	General Line Grocery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424420	Packaged Frozen Food Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424430	Dairy Product (except Dried or Canned) Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424440	Poultry and Poultry Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424450	Confectionery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424460	Fish and Seafood Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424470	Meat and Meat Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424480	Fresh Fruit and Vegetable Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424490	Other Grocery and Related Products Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424510	Grain and Field Bean Merchant Wholesalers	Traded	Food Processing and Manufacturing
424520	Livestock Merchant Wholesalers	Traded	Livestock Processing
424590	Other Farm Product Raw Material Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424690	Other Chemical and Allied Products Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424710	Petroleum Bulk Stations and Terminals	Traded	Distribution and Electronic Commerce
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)	Traded	Distribution and Electronic Commerce
424810	Beer and Ale Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution
424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424910	Farm Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424920	Book, Periodical, and Newspaper Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424940	Tobacco and Tobacco Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424950	Paint, Varnish, and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce
425110	Business to Business Electronic Markets	Traded	Distribution and Electronic Commerce
425120	Wholesale Trade Agents and Brokers	Traded	Distribution and Electronic Commerce
441110	New Car Dealers	Local	Local Motor Vehicle Products and Services
441120	Used Car Dealers	Local	Local Motor Vehicle Products and Services
441210	Recreational Vehicle Dealers	Local	Local Motor Vehicle Products and Services
441222	Boat Dealers	Local	Local Motor Vehicle Products and Services
441228	Motorcycle, ATV, and All Other Motor Vehicle Dealers	Local	Local Motor Vehicle Products and Services
441310	Automotive Parts and Accessories Stores	Local	Local Motor Vehicle Products and Services
441320	Tire Dealers	Local	Local Motor Vehicle Products and Services
442110	Furniture Stores	Local	Local Household Goods and Services
442210	Floor Covering Stores	Local	Local Household Goods and Services
442291	Window Treatment Stores	Local	Local Household Goods and Services
442299	All Other Home Furnishings Stores	Local	Local Household Goods and Services

NAICS 2012	Industry Description	Cluster Type	Cluster
443141	Household Appliance Stores	Local	Local Household Goods and Services
443142	Electronics Stores	Local	Local Entertainment and Media
444110	Home Centers	Local	Local Real Estate, Construction, and Development
444120	Paint and Wallpaper Stores	Local	Local Real Estate, Construction, and Development
444130	Hardware Stores	Local	Local Household Goods and Services
444190	Other Building Material Dealers	Local	Local Real Estate, Construction, and Development
444210	Outdoor Power Equipment Stores	Local	Local Household Goods and Services
444220	Nursery, Garden Center, and Farm Supply Stores	Local	Local Household Goods and Services
445110	Supermarkets and Other Grocery (except Convenience) Stores	Local	Local Food and Beverage Processing and Distribution
445120	Convenience Stores	Local	Local Food and Beverage Processing and Distribution
445210	Meat Markets	Local	Local Food and Beverage Processing and Distribution
445220	Fish and Seafood Markets	Local	Local Food and Beverage Processing and Distribution
445230	Fruit and Vegetable Markets	Local	Local Food and Beverage Processing and Distribution
445291	Baked Goods Stores	Local	Local Food and Beverage Processing and Distribution
445292	Confectionery and Nut Stores	Local	Local Food and Beverage Processing and Distribution
445299	All Other Specialty Food Stores	Local	Local Food and Beverage Processing and Distribution
445310	Beer, Wine, and Liquor Stores	Local	Local Food and Beverage Processing and Distribution
446110	Pharmacies and Drug Stores	Local	Local Health Services
446120	Cosmetics, Beauty Supplies, and Perfume Stores	Local	Local Personal Services (Non-Medical)
446130	Optical Goods Stores	Local	Local Health Services
446191	Food (Health) Supplement Stores	Local	Local Food and Beverage Processing and Distribution
446199	All Other Health and Personal Care Stores	Local	Local Personal Services (Non-Medical)
447110	Gasoline Stations with Convenience Stores	Local	Local Motor Vehicle Products and Services
447190	Other Gasoline Stations	Local	Local Motor Vehicle Products and Services
448110	Men's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise
448120	Women's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise
448130	Children's and Infants' Clothing Stores	Local	Local Retailing of Clothing and General Merchandise
448140	Family Clothing Stores	Local	Local Retailing of Clothing and General Merchandise
448150	Clothing Accessories Stores	Local	Local Retailing of Clothing and General Merchandise
448190	Other Clothing Stores	Local	Local Retailing of Clothing and General Merchandise
448210	Shoe Stores	Local	Local Retailing of Clothing and General Merchandise
448310	Jewelry Stores	Local	Local Retailing of Clothing and General Merchandise
448320	Luggage and Leather Goods Stores	Local	Local Retailing of Clothing and General Merchandise
451110	Sporting Goods Stores	Local	Local Entertainment and Media
451120	Hobby, Toy, and Game Stores	Local	Local Entertainment and Media
451130	Sewing, Needlework, and Piece Goods Stores	Local	Local Retailing of Clothing and General Merchandise
451140	Musical Instrument and Supplies Stores	Local	Local Entertainment and Media
451211	Book Stores	Local	Local Entertainment and Media
451212	News Dealers and Newsstands	Local	Local Entertainment and Media
452111	Department Stores (except Discount Department Stores)	Local	Local Retailing of Clothing and General Merchandise
452112	Discount Department Stores	Local	Local Retailing of Clothing and General Merchandise
452910	Warehouse Clubs and Supercenters	Local	Local Retailing of Clothing and General Merchandise
452990	All Other General Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise
453110	Florists	Local	Local Household Goods and Services
453210	Office Supplies and Stationery Stores	Local	Local Commercial Services
453220	Gift, Novelty, and Souvenir Stores	Local	Local Hospitality Establishments
453310	Used Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise
453910	Pet and Pet Supplies Stores	Local	Local Personal Services (Non-Medical)
453920	Art Dealers	Traded	Hospitality and Tourism

NAICS 2012	Industry Description	Cluster Type	Cluster
453930	Manufactured (Mobile) Home Dealers	Local	Local Motor Vehicle Products and Services
453991	Tobacco Stores	Local	Local Food and Beverage Processing and Distribution
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)	Local	Local Personal Services (Non-Medical)
454111	Electronic Shopping	Traded	Distribution and Electronic Commerce
454112	Electronic Auctions	Traded	Distribution and Electronic Commerce
454113	Mail-Order Houses	Traded	Distribution and Electronic Commerce
454210	Vending Machine Operators	Local	Local Food and Beverage Processing and Distribution
454310	Fuel Dealers	Local	Local Utilities
454390	Other Direct Selling Establishments	Local	Local Food and Beverage Processing and Distribution
481111	Scheduled Passenger Air Transportation	Traded	Transportation and Logistics
481112	Scheduled Freight Air Transportation	Traded	Transportation and Logistics
481211	Nonscheduled Chartered Passenger Air Transportation	Traded	Transportation and Logistics
481212	Nonscheduled Chartered Freight Air Transportation	Traded	Transportation and Logistics
481219	Other Nonscheduled Air Transportation	Traded	Transportation and Logistics
483111	Deep Sea Freight Transportation	Traded	Water Transportation
483112	Deep Sea Passenger Transportation	Traded	Water Transportation
483113	Coastal and Great Lakes Freight Transportation	Traded	Water Transportation
483114	Coastal and Great Lakes Passenger Transportation	Traded	Water Transportation
483211	Inland Water Freight Transportation	Traded	Water Transportation
483212	Inland Water Passenger Transportation	Traded	Water Transportation
484110	General Freight Trucking, Local	Local	Local Logistical Services
484121	General Freight Trucking, Long-Distance, Truckload	Traded	Transportation and Logistics
484122	General Freight Trucking, Long-Distance, Less Than Truckload	Local	Local Logistical Services
484210	Used Household and Office Goods Moving	Local	Local Logistical Services
484220	Specialized Freight (except Used Goods) Trucking, Local	Local	Local Logistical Services
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	Traded	Transportation and Logistics
485111	Mixed Mode Transit Systems	Local	Local Logistical Services
485112	Commuter Rail Systems	Local	Local Logistical Services
485113	Bus and Other Motor Vehicle Transit Systems	Local	Local Logistical Services
485119	Other Urban Transit Systems	Local	Local Logistical Services
485210	Interurban and Rural Bus Transportation	Traded	Transportation and Logistics
485310	Taxi Service	Traded	Business Services
485320	Limousine Service	Traded	Business Services
485410	School and Employee Bus Transportation	Local	Local Logistical Services
485510	Charter Bus Industry	Traded	Transportation and Logistics
485991	Special Needs Transportation	Local	Local Logistical Services
485999	All Other Transit and Ground Passenger Transportation	Traded	Business Services
486110	Pipeline Transportation of Crude Oil	Traded	Oil and Gas Production and Transportation
486210	Pipeline Transportation of Natural Gas	Traded	Oil and Gas Production and Transportation
486910	Pipeline Transportation of Refined Petroleum Products	Traded	Oil and Gas Production and Transportation
486990	All Other Pipeline Transportation	Traded	Oil and Gas Production and Transportation
487110	Scenic and Sightseeing Transportation, Land	Traded	Hospitality and Tourism
487210	Scenic and Sightseeing Transportation, Water	Traded	Hospitality and Tourism
487990	Scenic and Sightseeing Transportation, Other	Traded	Hospitality and Tourism
488111	Air Traffic Control	Traded	Transportation and Logistics
488119	Other Airport Operations	Traded	Transportation and Logistics
488190	Other Support Activities for Air Transportation	Traded	Transportation and Logistics
488210	Support Activities for Rail Transportation	Traded	Transportation and Logistics
488310	Port and Harbor Operations	Traded	Water Transportation

NAICS 2012	Industry Description	Cluster Type	Cluster
488320	Marine Cargo Handling	Traded	Water Transportation
488330	Navigational Services to Shipping	Traded	Water Transportation
488390	Other Support Activities for Water Transportation	Traded	Water Transportation
488410	Motor Vehicle Towing	Local	Local Motor Vehicle Products and Services
488490	Other Support Activities for Road Transportation	Traded	Transportation and Logistics
488510	Freight Transportation Arrangement	Traded	Transportation and Logistics
488991	Packing and Crating	Traded	Transportation and Logistics
488999	All Other Support Activities for Transportation	Traded	Transportation and Logistics
492110	Couriers and Express Delivery Services	Local	Local Logistical Services
492210	Local Messengers and Local Delivery	Local	Local Logistical Services
493110	General Warehousing and Storage	Traded	Distribution and Electronic Commerce
493120	Refrigerated Warehousing and Storage	Traded	Distribution and Electronic Commerce
493130	Farm Product Warehousing and Storage	Traded	Distribution and Electronic Commerce
493190	Other Warehousing and Storage	Traded	Distribution and Electronic Commerce
511110	Newspaper Publishers	Local	Local Entertainment and Media
511120	Periodical Publishers	Traded	Marketing, Design, and Publishing
511130	Book Publishers	Traded	Marketing, Design, and Publishing
511140	Directory and Mailing List Publishers	Traded	Marketing, Design, and Publishing
511191	Greeting Card Publishers	Traded	Printing Services
511199	All Other Publishers	Traded	Marketing, Design, and Publishing
512120	Software Publishers	Traded	Information Technology and Analytical Instruments
512110	Motion Picture and Video Production	Traded	Video Production and Distribution
512120	Motion Picture and Video Distribution	Traded	Video Production and Distribution
512131	Motion Picture Theaters (except Drive-Ins)	Local	Local Entertainment and Media
512132	Drive-In Motion Picture Theaters	Traded	Video Production and Distribution
512191	Teleproduction and Other Postproduction Services	Traded	Video Production and Distribution
512199	Other Motion Picture and Video Industries	Traded	Video Production and Distribution
512210	Record Production	Traded	Music and Sound Recording
512220	Integrated Record Production/Distribution	Traded	Music and Sound Recording
512230	Music Publishers	Traded	Music and Sound Recording
512240	Sound Recording Studios	Traded	Music and Sound Recording
512290	Other Sound Recording Industries	Traded	Music and Sound Recording
515111	Radio Networks	Local	Local Entertainment and Media
515112	Radio Stations	Local	Local Entertainment and Media
515120	Television Broadcasting	Local	Local Entertainment and Media
515210	Cable and Other Subscription Programming	Traded	Communications Equipment and Services
517110	Wired Telecommunications Carriers	Local	Local Utilities
517210	Wireless Telecommunications Carriers (except Satellite)	Traded	Communications Equipment and Services
517410	Satellite Telecommunications	Traded	Communications Equipment and Services
517911	Telecommunications Resellers	Local	Local Utilities
517919	All Other Telecommunications	Traded	Communications Equipment and Services
518210	Data Processing, Hosting, and Related Services	Traded	Business Services
519110	News Syndicates	Traded	Marketing, Design, and Publishing
519120	Libraries and Archives	Traded	Marketing, Design, and Publishing
519130	Internet Publishing and Broadcasting and Web Search Portals	Traded	Marketing, Design, and Publishing
519190	All Other Information Services	Traded	Marketing, Design, and Publishing
521110	Monetary Authorities-Central Bank	Traded	Financial Services
522110	Commercial Banking	Local	Local Financial Services
522120	Savings Institutions	Traded	Financial Services

NAICS 2012	Industry Description	Cluster Type	Cluster
522130	Credit Unions	Local	Local Financial Services
522190	Other Depository Credit Intermediation	Traded	Financial Services
522210	Credit Card Issuing	Traded	Financial Services
522220	Sales Financing	Traded	Financial Services
522291	Consumer Lending	Traded	Financial Services
522292	Real Estate Credit	Traded	Financial Services
522293	International Trade Financing	Traded	Financial Services
522294	Secondary Market Financing	Traded	Financial Services
522298	All Other Nondepository Credit Intermediation	Traded	Financial Services
522310	Mortgage and Nonmortgage Loan Brokers	Traded	Financial Services
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities	Traded	Financial Services
522390	Other Activities Related to Credit Intermediation	Traded	Financial Services
523110	Investment Banking and Securities Dealing	Traded	Financial Services
523120	Securities Brokerage	Traded	Financial Services
523130	Commodity Contracts Dealing	Traded	Financial Services
523140	Commodity Contracts Brokerage	Traded	Financial Services
523210	Securities and Commodity Exchanges	Traded	Financial Services
523910	Miscellaneous Intermediation	Traded	Financial Services
523920	Portfolio Management	Traded	Financial Services
523930	Investment Advice	Traded	Financial Services
523991	Trust, Fiduciary, and Custody Activities	Traded	Financial Services
523999	Miscellaneous Financial Investment Activities	Traded	Financial Services
524113	Direct Life Insurance Carriers	Traded	Insurance Services
524114	Direct Health and Medical Insurance Carriers	Traded	Insurance Services
524126	Direct Property and Casualty Insurance Carriers	Traded	Insurance Services
524127	Direct Title Insurance Carriers	Traded	Insurance Services
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	Traded	Insurance Services
524130	Reinsurance Carriers	Traded	Insurance Services
524210	Insurance Agencies and Brokerages	Local	Local Financial Services
524291	Claims Adjusting	Traded	Insurance Services
524292	Third Party Administration of Insurance and Pension Funds	Local	Local Financial Services
524298	All Other Insurance Related Activities	Traded	Insurance Services
525910	Open-End Investment Funds	Traded	Financial Services
525990	Other Financial Vehicles	Traded	Financial Services
531110	Lessors of Residential Buildings and Dwellings	Local	Local Real Estate, Construction, and Development
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	Local	Local Real Estate, Construction, and Development
531130	Lessors of Miniwarehouses and Self-Storage Units	Local	Local Logistical Services
531190	Lessors of Other Real Estate Property	Local	Local Real Estate, Construction, and Development
531210	Offices of Real Estate Agents and Brokers	Local	Local Real Estate, Construction, and Development
531311	Residential Property Managers	Local	Local Real Estate, Construction, and Development
531312	Nonresidential Property Managers	Local	Local Real Estate, Construction, and Development
531320	Offices of Real Estate Appraisers	Local	Local Real Estate, Construction, and Development
531390	Other Activities Related to Real Estate	Local	Local Real Estate, Construction, and Development
532111	Passenger Car Rental	Local	Local Logistical Services
532112	Passenger Car Leasing	Traded	Business Services
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	Local	Local Logistical Services
532210	Consumer Electronics and Appliances Rental	Local	Local Industrial Products and Services
532220	Formal Wear and Costume Rental	Local	Local Personal Services (Non-Medical)
532230	Video Tape and Disc Rental	Local	Local Entertainment and Media

NAICS 2012	Industry Description	Cluster Type	Cluster
532291	Home Health Equipment Rental	Local	Local Health Services
532292	Recreational Goods Rental	Traded	Hospitality and Tourism
532299	All Other Consumer Goods Rental	Local	Local Personal Services (Non-Medical)
532310	General Rental Centers	Local	Local Industrial Products and Services
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce
532420	Office Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	Traded	Business Services
541110	Offices of Lawyers	Local	Local Commercial Services
541191	Title Abstract and Settlement Offices	Local	Local Real Estate, Construction, and Development
541199	All Other Legal Services	Traded	Business Services
541211	Offices of Certified Public Accountants	Local	Local Commercial Services
541213	Tax Preparation Services	Local	Local Financial Services
541214	Payroll Services	Traded	Business Services
541219	Other Accounting Services	Local	Local Commercial Services
541310	Architectural Services	Traded	Business Services
541320	Landscape Architectural Services	Traded	Business Services
541330	Engineering Services	Traded	Business Services
541340	Drafting Services	Traded	Business Services
541350	Building Inspection Services	Local	Local Commercial Services
541360	Geophysical Surveying and Mapping Services	Traded	Oil and Gas Production and Transportation
541370	Surveying and Mapping (except Geophysical) Services	Local	Local Real Estate, Construction, and Development
541380	Testing Laboratories	Local	Local Commercial Services
541410	Interior Design Services	Traded	Marketing, Design, and Publishing
541420	Industrial Design Services	Traded	Marketing, Design, and Publishing
541430	Graphic Design Services	Traded	Marketing, Design, and Publishing
541490	Other Specialized Design Services	Traded	Marketing, Design, and Publishing
541511	Custom Computer Programming Services	Traded	Business Services
541512	Computer Systems Design Services	Traded	Business Services
541513	Computer Facilities Management Services	Traded	Business Services
541519	Other Computer Related Services	Traded	Business Services
541611	Administrative Management and General Management Consulting Services	Traded	Business Services
541612	Human Resources Consulting Services	Traded	Business Services
541613	Marketing Consulting Services	Traded	Marketing, Design, and Publishing
541614	Process, Physical Distribution, and Logistics Consulting Services	Traded	Business Services
541618	Other Management Consulting Services	Traded	Business Services
541620	Environmental Consulting Services	Local	Local Commercial Services
541690	Other Scientific and Technical Consulting Services	Traded	Business Services
541711	Research and Development in Biotechnology	Traded	Education and Knowledge Creation
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)	Traded	Education and Knowledge Creation
541720	Research and Development in the Social Sciences and Humanities	Traded	Education and Knowledge Creation
541810	Advertising Agencies	Traded	Marketing, Design, and Publishing
541820	Public Relations Agencies	Traded	Marketing, Design, and Publishing
541830	Media Buying Agencies	Traded	Marketing, Design, and Publishing
541840	Media Representatives	Traded	Marketing, Design, and Publishing
541850	Outdoor Advertising	Traded	Marketing, Design, and Publishing
541860	Direct Mail Advertising	Traded	Marketing, Design, and Publishing
541870	Advertising Material Distribution Services	Traded	Marketing, Design, and Publishing

NAICS 2012	Industry Description	Cluster Type	Cluster
541890	Other Services Related to Advertising	Traded	Marketing, Design, and Publishing
541910	Marketing Research and Public Opinion Polling	Traded	Marketing, Design, and Publishing
541921	Photography Studios, Portrait	Local	Local Personal Services (Non-Medical)
541922	Commercial Photography	Local	Local Commercial Services
541930	Translation and Interpretation Services	Traded	Business Services
541940	Veterinary Services	Local	Local Personal Services (Non-Medical)
541990	All Other Professional, Scientific, and Technical Services	Traded	Business Services
551111	Offices of Bank Holding Companies	Traded	Business Services
551112	Offices of Other Holding Companies	Traded	Business Services
551114	Corporate, Subsidiary, and Regional Managing Offices	Traded	Business Services
561110	Office Administrative Services	Local	Local Commercial Services
561210	Facilities Support Services	Traded	Business Services
561311	Employment Placement Agencies	Traded	Business Services
561312	Executive Search Services	Traded	Business Services
561320	Temporary Help Services	Local	Local Commercial Services
561330	Professional Employer Organizations	Traded	Business Services
561410	Document Preparation Services	Local	Local Commercial Services
561421	Telephone Answering Services	Traded	Business Services
561422	Telemarketing Bureaus and Other Contact Centers	Traded	Business Services
561431	Private Mail Centers	Local	Local Commercial Services
561439	Other Business Service Centers (including Copy Shops)	Local	Local Commercial Services
561440	Collection Agencies	Local	Local Financial Services
561450	Credit Bureaus	Traded	Financial Services
561491	Repossession Services	Local	Local Commercial Services
561492	Court Reporting and Stenotype Services	Local	Local Commercial Services
561499	All Other Business Support Services	Traded	Distribution and Electronic Commerce
561510	Travel Agencies	Traded	Hospitality and Tourism
561520	Tour Operators	Traded	Hospitality and Tourism
561591	Convention and Visitors Bureaus	Traded	Hospitality and Tourism
561599	All Other Travel Arrangement and Reservation Services	Traded	Hospitality and Tourism
561611	Investigation Services	Local	Local Commercial Services
561612	Security Guards and Patrol Services	Local	Local Commercial Services
561613	Armored Car Services	Local	Local Commercial Services
561621	Security Systems Services (except Locksmiths)	Local	Local Commercial Services
561622	Locksmiths	Local	Local Commercial Services
561710	Exterminating and Pest Control Services	Local	Local Commercial Services
561720	Janitorial Services	Local	Local Commercial Services
561730	Landscaping Services	Local	Local Household Goods and Services
561740	Carpet and Upholstery Cleaning Services	Local	Local Household Goods and Services
561790	Other Services to Buildings and Dwellings	Local	Local Commercial Services
561910	Packaging and Labeling Services	Traded	Distribution and Electronic Commerce
561920	Convention and Trade Show Organizers	Traded	Business Services
561990	All Other Support Services	Local	Local Commercial Services
562111	Solid Waste Collection	Local	Local Logistical Services
562112	Hazardous Waste Collection	Traded	Environmental Services
562119	Other Waste Collection	Traded	Environmental Services
562211	Hazardous Waste Treatment and Disposal	Traded	Environmental Services
562212	Solid Waste Landfill	Local	Local Utilities
562213	Solid Waste Combustors and Incinerators	Traded	Environmental Services

NAICS 2012	Industry Description	Cluster Type	Cluster
562219	Other Nonhazardous Waste Treatment and Disposal	Traded	Environmental Services
562910	Remediation Services	Local	Local Utilities
562920	Materials Recovery Facilities	Traded	Environmental Services
562991	Septic Tank and Related Services	Local	Local Real Estate, Construction, and Development
562998	All Other Miscellaneous Waste Management Services	Traded	Environmental Services
611110	Elementary and Secondary Schools	Local	Local Education and Training
611210	Junior Colleges	Traded	Education and Knowledge Creation
611310	Colleges, Universities, and Professional Schools	Traded	Education and Knowledge Creation
611410	Business and Secretarial Schools	Traded	Education and Knowledge Creation
611420	Computer Training	Traded	Education and Knowledge Creation
611430	Professional and Management Development Training	Traded	Education and Knowledge Creation
611511	Cosmetology and Barber Schools	Local	Local Personal Services (Non-Medical)
611512	Flight Training	Traded	Education and Knowledge Creation
611513	Apprenticeship Training	Traded	Education and Knowledge Creation
611519	Other Technical and Trade Schools	Local	Local Education and Training
611610	Fine Arts Schools	Local	Local Education and Training
611620	Sports and Recreation Instruction	Local	Local Hospitality Establishments
611630	Language Schools	Traded	Education and Knowledge Creation
611691	Exam Preparation and Tutoring	Traded	Education and Knowledge Creation
611692	Automobile Driving Schools	Local	Local Education and Training
611699	All Other Miscellaneous Schools and Instruction	Traded	Education and Knowledge Creation
611710	Educational Support Services	Traded	Education and Knowledge Creation
621111	Offices of Physicians (except Mental Health Specialists)	Local	Local Health Services
621112	Offices of Physicians, Mental Health Specialists	Local	Local Health Services
621210	Offices of Dentists	Local	Local Health Services
621310	Offices of Chiropractors	Local	Local Health Services
621320	Offices of Optometrists	Local	Local Health Services
621330	Offices of Mental Health Practitioners (except Physicians)	Local	Local Health Services
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	Local	Local Health Services
621391	Offices of Podiatrists	Local	Local Health Services
621399	Offices of All Other Miscellaneous Health Practitioners	Local	Local Health Services
621410	Family Planning Centers	Local	Local Health Services
621420	Outpatient Mental Health and Substance Abuse Centers	Local	Local Health Services
621491	HMO Medical Centers	Local	Local Health Services
621492	Kidney Dialysis Centers	Local	Local Health Services
621493	Freestanding Ambulatory Surgical and Emergency Centers	Local	Local Health Services
621498	All Other Outpatient Care Centers	Local	Local Health Services
621511	Medical Laboratories	Local	Local Health Services
621512	Diagnostic Imaging Centers	Local	Local Health Services
621610	Home Health Care Services	Local	Local Health Services
621910	Ambulance Services	Local	Local Logistical Services
621991	Blood and Organ Banks	Local	Local Health Services
621999	All Other Miscellaneous Ambulatory Health Care Services	Local	Local Health Services
622110	General Medical and Surgical Hospitals	Local	Local Health Services
622210	Psychiatric and Substance Abuse Hospitals	Local	Local Health Services
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	Local	Local Health Services
623110	Nursing Care Facilities (Skilled Nursing Facilities)	Local	Local Health Services
623210	Residential Intellectual and Developmental Disability Facilities	Local	Local Health Services
623220	Residential Mental Health and Substance Abuse Facilities	Local	Local Health Services

NAICS 2012	Industry Description	Cluster Type	Cluster
623311	Continuing Care Retirement Communities	Local	Local Health Services
623312	Assisted Living Facilities for the Elderly	Local	Local Health Services
623990	Other Residential Care Facilities	Local	Local Health Services
624110	Child and Youth Services	Local	Local Community and Civic Organizations
624120	Services for the Elderly and Persons with Disabilities	Local	Local Community and Civic Organizations
624190	Other Individual and Family Services	Local	Local Community and Civic Organizations
624210	Community Food Services	Local	Local Community and Civic Organizations
624221	Temporary Shelters	Local	Local Community and Civic Organizations
624229	Other Community Housing Services	Local	Local Community and Civic Organizations
624230	Emergency and Other Relief Services	Local	Local Community and Civic Organizations
624310	Vocational Rehabilitation Services	Local	Local Education and Training
624410	Child Day Care Services	Local	Local Personal Services (Non-Medical)
711110	Theater Companies and Dinner Theaters	Traded	Performing Arts
711120	Dance Companies	Traded	Performing Arts
711130	Musical Groups and Artists	Traded	Performing Arts
711190	Other Performing Arts Companies	Traded	Performing Arts
711211	Sports Teams and Clubs	Traded	Hospitality and Tourism
711212	Racetracks	Traded	Hospitality and Tourism
711219	Other Spectator Sports	Traded	Hospitality and Tourism
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	Traded	Performing Arts
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	Traded	Performing Arts
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	Traded	Performing Arts
711510	Independent Artists, Writers, and Performers	Traded	Performing Arts
712110	Museums	Traded	Hospitality and Tourism
712120	Historical Sites	Traded	Hospitality and Tourism
712130	Zoos and Botanical Gardens	Traded	Hospitality and Tourism
712190	Nature Parks and Other Similar Institutions	Traded	Hospitality and Tourism
713110	Amusement and Theme Parks	Traded	Hospitality and Tourism
713120	Amusement Arcades	Traded	Hospitality and Tourism
713210	Casinos (except Casino Hotels)	Traded	Hospitality and Tourism
713290	Other Gambling Industries	Traded	Hospitality and Tourism
713910	Golf Courses and Country Clubs	Local	Local Hospitality Establishments
713920	Skiing Facilities	Traded	Hospitality and Tourism
713930	Marinas	Traded	Hospitality and Tourism
713940	Fitness and Recreational Sports Centers	Local	Local Hospitality Establishments
713950	Bowling Centers	Local	Local Hospitality Establishments
713990	All Other Amusement and Recreation Industries	Traded	Hospitality and Tourism
721110	Hotels (except Casino Hotels) and Motels	Traded	Hospitality and Tourism
721120	Casino Hotels	Traded	Hospitality and Tourism
721191	Bed-and-Breakfast Inns	Traded	Hospitality and Tourism
721199	All Other Traveler Accommodation	Traded	Hospitality and Tourism
721211	RV (Recreational Vehicle) Parks and Campgrounds	Traded	Hospitality and Tourism
721214	Recreational and Vacation Camps (except Campgrounds)	Traded	Hospitality and Tourism
721310	Rooming and Boarding Houses	Traded	Hospitality and Tourism
722310	Food Service Contractors	Local	Local Hospitality Establishments
722320	Caterers	Local	Local Hospitality Establishments
722330	Mobile Food Services	Local	Local Food and Beverage Processing and Distribution
722410	Drinking Places (Alcoholic Beverages)	Local	Local Hospitality Establishments
722511	Full-Service Restaurants	Local	Local Hospitality Establishments

NAICS 2012	Industry Description	Cluster Type	Cluster
722513	Limited-Service Restaurants	Local	Local Hospitality Establishments
722514	Cafeterias, Grill Buffets, and Buffets	Local	Local Hospitality Establishments
722515	Snack and Nonalcoholic Beverage Bars	Local	Local Hospitality Establishments
811111	General Automotive Repair	Local	Local Motor Vehicle Products and Services
811112	Automotive Exhaust System Repair	Local	Local Motor Vehicle Products and Services
811113	Automotive Transmission Repair	Local	Local Motor Vehicle Products and Services
811118	Other Automotive Mechanical and Electrical Repair and Maintenance	Local	Local Motor Vehicle Products and Services
811121	Automotive Body, Paint, and Interior Repair and Maintenance	Local	Local Motor Vehicle Products and Services
811122	Automotive Glass Replacement Shops	Local	Local Motor Vehicle Products and Services
811191	Automotive Oil Change and Lubrication Shops	Local	Local Motor Vehicle Products and Services
811192	Car Washes	Local	Local Motor Vehicle Products and Services
811198	All Other Automotive Repair and Maintenance	Local	Local Motor Vehicle Products and Services
811211	Consumer Electronics Repair and Maintenance	Local	Local Household Goods and Services
811212	Computer and Office Machine Repair and Maintenance	Local	Local Commercial Services
811213	Communication Equipment Repair and Maintenance	Local	Local Household Goods and Services
811219	Other Electronic and Precision Equipment Repair and Maintenance	Local	Local Industrial Products and Services
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Local	Local Commercial Services
811411	Home and Garden Equipment Repair and Maintenance	Local	Local Commercial Services
811412	Appliance Repair and Maintenance	Local	Local Commercial Services
811420	Reupholstery and Furniture Repair	Local	Local Household Goods and Services
811430	Footwear and Leather Goods Repair	Local	Local Personal Services (Non-Medical)
811490	Other Personal and Household Goods Repair and Maintenance	Local	Local Personal Services (Non-Medical)
812111	Barber Shops	Local	Local Personal Services (Non-Medical)
812112	Beauty Salons	Local	Local Personal Services (Non-Medical)
812113	Nail Salons	Local	Local Personal Services (Non-Medical)
812191	Diet and Weight Reducing Centers	Local	Local Personal Services (Non-Medical)
812199	Other Personal Care Services	Local	Local Personal Services (Non-Medical)
812210	Funeral Homes and Funeral Services	Local	Local Health Services
812220	Cemeteries and Crematories	Local	Local Health Services
812310	Coin-Operated Laundries and Drycleaners	Local	Local Personal Services (Non-Medical)
812320	Drycleaning and Laundry Services (except Coin-Operated)	Local	Local Commercial Services
812331	Linen Supply	Local	Local Commercial Services
812332	Industrial Launderers	Local	Local Commercial Services
812910	Pet Care (except Veterinary) Services	Local	Local Personal Services (Non-Medical)
812921	Photofinishing Laboratories (except One-Hour)	Local	Local Personal Services (Non-Medical)
812922	One-Hour Photofinishing	Local	Local Personal Services (Non-Medical)
812930	Parking Lots and Garages	Local	Local Motor Vehicle Products and Services
812990	All Other Personal Services	Local	Local Personal Services (Non-Medical)
813110	Religious Organizations	Local	Local Community and Civic Organizations
813211	Grantmaking Foundations	Local	Local Community and Civic Organizations
813212	Voluntary Health Organizations	Local	Local Community and Civic Organizations
813219	Other Grantmaking and Giving Services	Local	Local Community and Civic Organizations
813311	Human Rights Organizations	Local	Local Community and Civic Organizations
813312	Environment, Conservation and Wildlife Organizations	Local	Local Community and Civic Organizations
813319	Other Social Advocacy Organizations	Local	Local Community and Civic Organizations
813410	Civic and Social Organizations	Local	Local Community and Civic Organizations
813910	Business Associations	Local	Local Community and Civic Organizations
813920	Professional Organizations	Traded	Education and Knowledge Creation
813930	Labor Unions and Similar Labor Organizations	Local	Local Community and Civic Organizations

NAICS 2012	Industry Description	Cluster Type	Cluster
813940	Political Organizations	Local	Local Community and Civic Organizations
813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)	Local	Local Community and Civic Organizations

Notes: NAICS = North American Industrial Classification System.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013).

APPENDIX D

Cluster Employment by Component Industries, 2001-2015 Ventura County

APPENDIX D
Cluster Employment by Component Industries, 2001 - 2015
Venutura County

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
113110	Timber Tract Operations	Traded	Forestry	0	0	0	0	1	0	1	1
113210	Forest Nurseries and Gathering of Forest Products	Traded	Forestry	0	0	0	11	25	54	46	24
113310	Logging	Traded	Forestry	0	0	10	6	11	11	16	49
114111	Finfish Fishing	Traded	Fishing and Fishing Products	55	51	52	50	48	48	43	43
114112	Shellfish Fishing	Traded	Fishing and Fishing Products	30	30	31	32	32	33	30	30
114119	Other Marine Fishing	Traded	Fishing and Fishing Products	0	0	0	0	0	0	0	1
114210	Hunting and Trapping	Traded	Hospitality and Tourism	0	0	0	0	4	4	3	3
115111	Cotton Ginning	Traded	Agricultural Inputs and Services	4	4	4	3	3	2	3	3
115112	Soil Preparation, Planting, and Cultivating	Traded	Agricultural Inputs and Services	348	576	247	299	367	426	437	394
115113	Crop Harvesting, Primarily by Machine	Traded	Agricultural Inputs and Services	11	8	9	103	128	71	119	227
115114	Postharvest Crop Activities (except Cotton Ginning)	Traded	Agricultural Inputs and Services	1,081	837	918	743	840	846	861	974
115115	Farm Labor Contractors and Crew Leaders	Traded	Agricultural Inputs and Services	5,829	5,421	5,894	4,992	4,907	4,879	4,768	5,102
115116	Farm Management Services	Traded	Agricultural Inputs and Services	541	691	453	668	520	546	582	575
115210	Support Activities for Animal Production	Traded	Agricultural Inputs and Services	115	126	151	147	152	153	181	178
115310	Support Activities for Forestry	Traded	Forestry	11	9	10	10	7	26	16	15
211111	Crude Petroleum and Natural Gas Extraction	Traded	Oil and Gas Production and Transportation	185	176	113	116	242	394	446	485
211112	Natural Gas Liquid Extraction	Traded	Oil and Gas Production and Transportation	1	1	1	1	1	2	1	1
212111	Bituminous Coal and Lignite Surface Mining	Traded	Coal Mining	0	0	0	0	0	0	0	0
212112	Bituminous Coal Underground Mining	Traded	Coal Mining	0	0	0	0	0	0	0	0
212113	Anthracite Mining	Traded	Coal Mining	0	0	0	0	0	0	0	0
212210	Iron Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212221	Gold Ore Mining	Traded	Metal Mining	0	0	0	0	0	1	1	0
212222	Silver Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212231	Lead Ore and Zinc Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212234	Copper Ore and Nickel Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212291	Uranium-Radium-Vanadium Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212299	All Other Metal Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0	0
212311	Dimension Stone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212312	Crushed and Broken Limestone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212313	Crushed and Broken Granite Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212319	Other Crushed and Broken Stone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212321	Construction Sand and Gravel Mining	Traded	Nonmetal Mining	209	220	185	195	181	199	209	180
212322	Industrial Sand Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212324	Kaolin and Ball Clay Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212325	Clay and Ceramic and Refractory Minerals Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
212391	Potash, Soda, and Borate Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212392	Phosphate Rock Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212393	Other Chemical and Fertilizer Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
212399	All Other Nonmetallic Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
213111	Drilling Oil and Gas Wells	Traded	Oil and Gas Production and Transportation	44	30	29	39	41	38	81	129
213112	Support Activities for Oil and Gas Operations	Traded	Oil and Gas Production and Transportation	379	333	304	334	374	415	357	413
213113	Support Activities for Coal Mining	Traded	Coal Mining	0	0	0	0	0	0	0	0
213114	Support Activities for Metal Mining	Traded	Metal Mining	0	0	0	0	0	0	4	2
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0	0
221111	Hydroelectric Power Generation	Traded	Electric Power Generation and Transmission	2	2	2	2	4	9	1	2
221112	Fossil Fuel Electric Power Generation	Traded	Electric Power Generation and Transmission	327	414	401	280	484	604	388	393
221113	Nuclear Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	0	0	0	0	1	0
221114	Solar Electric Power Generation	Traded	Electric Power Generation and Transmission	1	0	0	0	0	0	0	0
221115	Wind Electric Power Generation	Traded	Electric Power Generation and Transmission	3	0	0	0	0	0	0	1
221116	Geothermal Electric Power Generation	Traded	Electric Power Generation and Transmission	1	0	0	0	0	0	0	1
221117	Biomass Electric Power Generation	Traded	Electric Power Generation and Transmission	1	0	0	0	0	0	0	1
221118	Other Electric Power Generation	Traded	Electric Power Generation and Transmission	1	0	0	0	0	0	0	1
221121	Electric Bulk Power Transmission and Control	Traded	Electric Power Generation and Transmission	0	2	2	44	33	3	21	5
221122	Electric Power Distribution	Local	Local Utilities	7	6	108	7	3	4	4	4
221210	Natural Gas Distribution	Local	Local Utilities	323	236	255	445	277	219	447	449
221310	Water Supply and Irrigation Systems	Traded	Construction Products and Services	620	628	643	679	653	664	659	667
221320	Sewage Treatment Facilities	Local	Local Utilities	190	208	189	179	180	162	175	195
221330	Steam and Air-Conditioning Supply	Traded	Construction Products and Services	0	0	0	0	0	0	0	0
236115	New Single-Family Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	1,563	1,621	1,829	1,941	2,251	2,255	2,050	1,617
236116	New Multifamily Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	110	123	126	122	115	121	92	157
236117	New Housing For-Sale Builders	Local	Local Real Estate, Construction, and Development	39	38	40	33	44	135	136	96
236118	Residential Remodelers	Local	Local Real Estate, Construction, and Development	1,122	1,042	1,136	1,092	1,164	1,455	1,493	1,465
236210	Industrial Building Construction	Traded	Construction Products and Services	41	44	43	43	58	124	117	65
236220	Commercial and Institutional Building Construction	Local	Local Real Estate, Construction, and Development	736	831	825	708	681	851	952	925
237110	Water and Sewer Line and Related Structures Construction	Local	Local Real Estate, Construction, and Development	598	640	660	792	843	1,038	866	685
237120	Oil and Gas Pipeline and Related Structures Construction	Traded	Construction Products and Services	48	48	64	66	69	37	54	47
237130	Power and Communication Line and Related Structures Construction	Traded	Construction Products and Services	57	47	71	87	68	55	114	159
237210	Land Subdivision	Local	Local Real Estate, Construction, and Development	132	132	76	80	86	100	112	62
237310	Highway, Street, and Bridge Construction	Local	Local Real Estate, Construction, and Development	955	833	842	882	905	855	768	583
237990	Other Heavy and Civil Engineering Construction	Traded	Construction Products and Services	255	263	237	312	270	297	308	263

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Poured Concrete Foundation and Structure										
238110	Contractors	Local	Local Real Estate, Construction, and Development	711	707	886	916	1,073	1,140	1,028	1,042
238120	Structural Steel and Precast Concrete Contractors	Local	Local Real Estate, Construction, and Development	226	216	209	162	154	181	171	170
238130	Framing Contractors	Local	Local Real Estate, Construction, and Development	1,177	1,166	1,316	1,416	1,800	1,645	1,326	866
238140	Masonry Contractors	Local	Local Real Estate, Construction, and Development	447	437	509	650	732	884	834	635
238150	Glass and Glazing Contractors	Local	Local Real Estate, Construction, and Development	133	121	130	181	178	205	169	183
238160	Roofing Contractors	Local	Local Real Estate, Construction, and Development	461	440	484	488	503	591	488	430
238170	Siding Contractors	Local	Local Real Estate, Construction, and Development	46	49	48	60	75	81	77	59
	Other Foundation, Structure, and Building Exterior										
238190	Contractors	Local	Local Real Estate, Construction, and Development	116	70	73	98	137	148	125	111
	Electrical Contractors and Other Wiring										
238210	Installation Contractors	Local	Local Real Estate, Construction, and Development	1,879	1,702	1,768	1,906	1,914	1,952	1,888	1,807
	Plumbing, Heating, and Air-Conditioning										
238220	Contractors	Local	Local Real Estate, Construction, and Development	1,772	1,714	1,700	1,703	1,940	2,125	2,162	2,037
238290	Other Building Equipment Contractors	Local	Local Real Estate, Construction, and Development	275	247	204	177	72	64	61	61
238310	Drywall and Insulation Contractors	Local	Local Real Estate, Construction, and Development	1,427	1,370	1,320	1,277	1,416	1,536	1,261	1,170
238320	Painting and Wall Covering Contractors	Local	Local Real Estate, Construction, and Development	975	951	934	916	951	961	975	893
238330	Flooring Contractors	Local	Local Real Estate, Construction, and Development	436	387	393	396	383	366	372	322
238340	Tile and Terrazzo Contractors	Local	Local Real Estate, Construction, and Development	473	479	585	613	627	687	512	373
238350	Finish Carpentry Contractors	Local	Local Real Estate, Construction, and Development	766	590	616	708	756	763	736	647
238390	Other Building Finishing Contractors	Local	Local Real Estate, Construction, and Development	264	245	291	294	325	324	320	271
238910	Site Preparation Contractors	Local	Local Real Estate, Construction, and Development	1,459	1,485	1,584	1,770	1,858	1,921	1,704	1,622
238990	All Other Specialty Trade Contractors	Local	Local Real Estate, Construction, and Development	1,409	1,502	1,544	1,548	1,727	1,739	1,662	1,525
311111	Dog and Cat Food Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	12	7	0	1	0
311119	Other Animal Food Manufacturing	Traded	Food Processing and Manufacturing	16	12	2	2	3	2	2	1
311211	Flour Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311212	Rice Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311213	Malt Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	2
311221	Wet Corn Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311224	Soybean and Other Oilseed Processing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311225	Fats and Oils Refining and Blending	Traded	Food Processing and Manufacturing	46	25	28	92	39	24	31	5
311230	Breakfast Cereal Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311313	Beet Sugar Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311314	Cane Sugar Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311340	Nonchocolate Confectionery Manufacturing	Traded	Food Processing and Manufacturing	5	1	1	1	1	1	1	1
	Chocolate and Confectionery Manufacturing from										
311351	Cacao Beans	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
	Confectionery Manufacturing from Purchased										
311352	Chocolate	Traded	Food Processing and Manufacturing	10	12	14	9	21	12	10	9
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	Traded	Food Processing and Manufacturing	68	149	140	115	110	160	122	80
311412	Frozen Specialty Food Manufacturing	Traded	Food Processing and Manufacturing	134	95	1	1	3	3	2	1
311421	Fruit and Vegetable Canning	Traded	Food Processing and Manufacturing	241	278	209	187	269	284	190	156
311422	Specialty Canning	Traded	Food Processing and Manufacturing	64	8	11	10	2	7	15	2
311423	Dried and Dehydrated Food Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	1	1	1	1
311511	Fluid Milk Manufacturing	Traded	Food Processing and Manufacturing	75	48	80	97	66	72	46	77

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
311512	Creamery Butter Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
311513	Cheese Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	1	1	1	1
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	Traded	Food Processing and Manufacturing	12	18	24	22	74	47	67	55
311520	Ice Cream and Frozen Dessert Manufacturing	Traded	Food Processing and Manufacturing	29	45	27	48	2	33	32	24
311611	Animal (except Poultry) Slaughtering	Traded	Livestock Processing	3	3	4	3	3	2	2	2
311612	Meat Processed from Carcasses	Traded	Livestock Processing	23	26	26	28	25	20	20	22
311613	Rendering and Meat Byproduct Processing	Traded	Livestock Processing	0	0	0	0	0	0	0	0
311615	Poultry Processing	Traded	Livestock Processing	0	0	0	0	0	0	0	0
311710	Seafood Product Preparation and Packaging	Traded	Fishing and Fishing Products	55	40	35	33	28	29	19	18
311811	Retail Bakeries	Local	Local Food and Beverage Processing and Distribution	136	144	134	130	126	123	130	115
311812	Commercial Bakeries	Local	Local Food and Beverage Processing and Distribution	78	77	70	82	85	85	70	53
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	Traded	Food Processing and Manufacturing	1	6	4	0	0	0	0	0
311821	Cookie and Cracker Manufacturing	Traded	Food Processing and Manufacturing	48	27	24	2	1	11	41	35
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	Traded	Food Processing and Manufacturing	0	13	10	0	1	2	1	1
311830	Tortilla Manufacturing	Traded	Food Processing and Manufacturing	40	48	52	60	60	45	12	15
311911	Roasted Nuts and Peanut Butter Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	1	1	8	21
311919	Other Snack Food Manufacturing	Traded	Food Processing and Manufacturing	2	2	3	60	13	3	2	2
311920	Coffee and Tea Manufacturing	Traded	Food Processing and Manufacturing	3	3	3	3	3	4	4	4
311930	Flavoring Syrup and Concentrate Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	3	1	1	1	4
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	Traded	Food Processing and Manufacturing	8	14	3	3	2	3	3	2
311942	Spice and Extract Manufacturing	Traded	Food Processing and Manufacturing	3	3	22	87	37	2	3	2
311991	Perishable Prepared Food Manufacturing	Traded	Food Processing and Manufacturing	28	32	51	224	378	362	489	441
311999	All Other Miscellaneous Food Manufacturing	Traded	Food Processing and Manufacturing	49	50	10	12	19	97	31	120
312111	Soft Drink Manufacturing	Traded	Food Processing and Manufacturing	160	182	23	14	12	103	128	136
312112	Bottled Water Manufacturing	Traded	Food Processing and Manufacturing	2	0	1	19	10	4	1	0
312113	Ice Manufacturing	Traded	Food Processing and Manufacturing	20	15	3	4	5	11	7	8
312120	Breweries	Traded	Food Processing and Manufacturing	12	0	0	0	0	0	1	1
312130	Wineries	Traded	Food Processing and Manufacturing	21	18	31	36	45	55	73	81
312140	Distilleries	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0	0
312230	Tobacco Manufacturing	Traded	Tobacco	0	0	0	0	0	0	0	0
313110	Fiber, Yarn, and Thread Mills	Traded	Textile Manufacturing	1	1	1	1	0	0	0	0
313210	Broadwoven Fabric Mills	Traded	Textile Manufacturing	1	1	1	1	0	0	1	0
313220	Narrow Fabric Mills and Schiffli Machine Embroidery	Traded	Textile Manufacturing	1	1	1	1	6	3	0	0
313230	Nonwoven Fabric Mills	Traded	Textile Manufacturing	0	0	0	0	0	0	0	0
313240	Knit Fabric Mills	Traded	Textile Manufacturing	0	0	0	0	0	0	0	0
313310	Textile and Fabric Finishing Mills	Traded	Textile Manufacturing	12	11	15	18	6	7	6	3
313320	Fabric Coating Mills	Traded	Textile Manufacturing	5	7	8	6	1	4	8	13
314110	Carpet and Rug Mills	Traded	Textile Manufacturing	0	0	0	8	1	0	0	1

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
314120	Curtain and Linen Mills	Traded	Textile Manufacturing	92	85	89	63	49	29	27	20
314910	Textile Bag and Canvas Mills	Traded	Leather and Related Products	13	27	19	14	12	11	13	10
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	Traded	Textile Manufacturing	73	27	0	0	0	0	0	0
314999	All Other Miscellaneous Textile Product Mills	Traded	Apparel	44	42	45	48	31	47	30	28
315110	Hosiery and Sock Mills	Traded	Textile Manufacturing	1	1	1	1	1	1	1	1
315190	Other Apparel Knitting Mills	Traded	Textile Manufacturing	2	2	5	2	2	2	2	2
315210	Cut and Sew Apparel Contractors	Traded	Apparel	158	141	113	110	119	151	76	58
315220	Men's and Boys' Cut and Sew Apparel Manufacturing	Traded	Apparel	443	407	371	392	429	422	441	396
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing	Traded	Apparel	41	33	25	26	28	26	26	23
315280	Other Cut and Sew Apparel Manufacturing	Traded	Apparel	16	6	7	4	26	8	11	48
315990	Apparel Accessories and Other Apparel Manufacturing	Traded	Apparel	8	8	8	17	11	38	43	10
316110	Leather and Hide Tanning and Finishing	Traded	Footwear	4	4	4	4	0	1	2	2
316210	Footwear Manufacturing	Traded	Footwear	2	20	5	7	7	33	84	67
316992	Women's Handbag and Purse Manufacturing	Traded	Leather and Related Products	2	2	2	2	1	0	1	1
316998	All Other Leather Good and Allied Product Manufacturing	Traded	Leather and Related Products	8	8	16	10	4	2	5	8
321113	Sawmills	Traded	Wood Products	10	9	10	10	10	8	7	6
321114	Wood Preservation	Traded	Wood Products	1	1	1	1	1	1	26	25
321211	Hardwood Veneer and Plywood Manufacturing	Traded	Wood Products	1	1	1	0	0	0	0	0
321212	Softwood Veneer and Plywood Manufacturing	Traded	Wood Products	0	0	0	0	0	0	0	0
321213	Engineered Wood Member (except Truss) Manufacturing	Traded	Wood Products	0	0	0	0	0	0	0	0
321214	Truss Manufacturing	Traded	Wood Products	31	17	14	15	46	58	43	28
321219	Reconstituted Wood Product Manufacturing	Traded	Wood Products	0	0	0	0	0	0	0	0
321911	Wood Window and Door Manufacturing	Traded	Wood Products	3	3	3	4	3	4	7	11
321912	Cut Stock, Resawing Lumber, and Planing	Traded	Wood Products	3	3	3	3	3	17	12	18
321918	Other Millwork (including Flooring)	Traded	Wood Products	15	17	17	25	22	23	27	19
321920	Wood Container and Pallet Manufacturing	Traded	Wood Products	65	44	37	32	49	45	40	56
321991	Manufactured Home (Mobile Home) Manufacturing	Traded	Furniture	1	1	1	3	5	6	0	0
321992	Prefabricated Wood Building Manufacturing	Traded	Wood Products	2	2	8	4	4	7	8	9
321999	All Other Miscellaneous Wood Product Manufacturing	Traded	Wood Products	6	11	7	12	10	6	8	13
322110	Pulp Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0	0
322121	Paper (except Newsprint) Mills	Traded	Paper and Packaging	66	45	67	74	49	62	48	38
322122	Newsprint Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0	0
322130	Paperboard Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
322211	Corrugated and Solid Fiber Box Manufacturing	Traded	Paper and Packaging	330	363	355	384	312	335	369	317
322212	Folding Paperboard Box Manufacturing	Traded	Paper and Packaging	161	143	155	113	187	240	183	265
322219	Other Paperboard Container Manufacturing Paper Bag and Coated and Treated Paper	Traded	Paper and Packaging	0	0	0	0	0	0	0	1
322220	Manufacturing	Traded	Paper and Packaging	9	10	17	8	9	14	11	10
322230	Stationery Product Manufacturing	Traded	Paper and Packaging	125	57	46	34	6	5	19	10
322291	Sanitary Paper Product Manufacturing	Traded	Paper and Packaging	444	451	422	406	367	345	356	409
322299	All Other Converted Paper Product Manufacturing	Traded	Paper and Packaging	47	123	102	99	152	114	109	81
323111	Commercial Printing (except Screen and Books)	Traded	Printing Services	1,030	935	853	860	769	801	804	721
323113	Commercial Screen Printing	Traded	Printing Services	203	196	341	335	317	322	285	248
323117	Books Printing	Traded	Printing Services	17	19	15	26	30	32	43	42
323120	Support Activities for Printing	Traded	Printing Services	19	41	50	81	85	91	117	140
324110	Petroleum Refineries	Traded	Oil and Gas Production and Transportation	22	34	45	30	27	21	12	15
324121	Asphalt Paving Mixture and Block Manufacturing Asphalt Shingle and Coating Materials	Traded	Construction Products and Services	12	11	5	5	2	1	2	2
324122	Manufacturing Petroleum Lubricating Oil and Grease	Traded	Construction Products and Services	0	0	0	0	0	0	0	0
324191	Manufacturing All Other Petroleum and Coal Products	Traded	Downstream Chemical Products	1	3	1	7	0	0	0	0
324199	Manufacturing	Traded	Oil and Gas Production and Transportation	0	0	0	0	0	0	0	0
325110	Petrochemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	0	0
325120	Industrial Gas Manufacturing	Traded	Upstream Chemical Products	3	4	4	20	1	4	18	19
325130	Synthetic Dye and Pigment Manufacturing	Traded	Downstream Chemical Products	0	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	Traded	Upstream Chemical Products	26	0	1	1	19	10	53	43
325193	Ethyl Alcohol Manufacturing Cyclic Crude, Intermediate, and Gum and Wood	Traded	Upstream Chemical Products	0	0	0	0	0	0	0	0
325194	Chemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	4	20
325211	Plastics Material and Resin Manufacturing	Traded	Plastics	110	156	114	158	25	18	32	1
325212	Synthetic Rubber Manufacturing Artificial and Synthetic Fibers and Filaments	Traded	Upstream Chemical Products	20	22	59	24	123	94	21	67
325220	Manufacturing	Traded	Textile Manufacturing	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizer Manufacturing	Traded	Agricultural Inputs and Services	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizer Manufacturing	Traded	Upstream Chemical Products	0	0	19	143	62	0	0	0
325314	Fertilizer (Mixing Only) Manufacturing Pesticide and Other Agricultural Chemical	Traded	Agricultural Inputs and Services	11	5	1	2	1	1	1	1
325320	Manufacturing	Traded	Upstream Chemical Products	43	3	0	18	97	65	0	0
325411	Medicinal and Botanical Manufacturing	Traded	Biopharmaceuticals	13	2	1	1	2	3	1	1
325412	Pharmaceutical Preparation Manufacturing	Traded	Biopharmaceuticals	4,931	4,472	5,332	6,094	6,224	7,194	7,669	6,236
325413	In-Vitro Diagnostic Substance Manufacturing	Traded	Biopharmaceuticals	124	230	195	212	118	202	142	292

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Biological Product (except Diagnostic)										
325414	Manufacturing	Traded	Biopharmaceuticals	537	435	315	303	307	80	0	0
325510	Paint and Coating Manufacturing	Traded	Downstream Chemical Products	22	22	25	27	32	34	34	38
325520	Adhesive Manufacturing	Traded	Downstream Chemical Products	37	26	4	1	1	2	1	1
325611	Soap and Other Detergent Manufacturing	Traded	Downstream Chemical Products	9	2	13	36	51	31	29	26
325612	Polish and Other Sanitation Good Manufacturing	Traded	Downstream Chemical Products	33	18	21	3	2	4	4	12
325613	Surface Active Agent Manufacturing	Traded	Downstream Chemical Products	0	0	0	0	0	0	0	0
325620	Toilet Preparation Manufacturing	Traded	Downstream Chemical Products	605	214	234	275	264	163	174	175
325910	Printing Ink Manufacturing	Traded	Printing Services	1	1	96	141	259	154	174	187
325920	Explosives Manufacturing	Traded	Downstream Chemical Products	0	0	0	0	0	0	0	0
325991	Custom Compounding of Purchased Resins	Traded	Downstream Chemical Products	712	878	711	887	876	845	699	570
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	Traded	Downstream Chemical Products	1	32	12	18	23	24	28	24
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	Traded	Downstream Chemical Products	494	416	436	112	344	343	310	254
326111	Plastics Bag and Pouch Manufacturing	Traded	Plastics	0	0	0	0	0	0	0	0
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	Traded	Plastics	0	0	0	0	0	0	0	0
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	Traded	Plastics	17	5	8	19	7	8	4	3
326121	Unlaminated Plastics Profile Shape Manufacturing	Traded	Plastics	267	339	286	212	189	138	55	26
326122	Plastics Pipe and Pipe Fitting Manufacturing	Traded	Plastics	210	94	104	188	184	113	86	1
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Traded	Plastics	1	1	1	0	1	0	1	1
326140	Polystyrene Foam Product Manufacturing	Traded	Plastics	87	79	58	49	29	82	118	107
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Traded	Plastics	90	57	41	23	26	44	41	48
326160	Plastics Bottle Manufacturing	Traded	Plastics	187	212	295	308	304	251	101	105
326191	Plastics Plumbing Fixture Manufacturing	Traded	Plastics	11	40	68	10	5	4	8	1
326199	All Other Plastics Product Manufacturing	Traded	Plastics	843	710	565	460	475	480	419	456
326211	Tire Manufacturing (except Retreading)	Traded	Vulcanized and Fired Materials	0	0	0	0	0	0	0	0
326212	Tire Retreading	Traded	Vulcanized and Fired Materials	1	1	1	1	1	1	1	1
326220	Rubber and Plastics Hoses and Belting Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	1	0	0	0
326291	Rubber Product Manufacturing for Mechanical Use	Traded	Vulcanized and Fired Materials	0	0	0	0	1	0	1	1
326299	All Other Rubber Product Manufacturing	Traded	Vulcanized and Fired Materials	92	56	38	33	32	29	35	19
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing	Traded	Vulcanized and Fired Materials	25	19	18	17	23	32	36	36
327120	Clay Building Material and Refractories Manufacturing	Traded	Vulcanized and Fired Materials	4	4	17	21	21	13	10	9
327211	Flat Glass Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	1	0	0	0
327212	Other Pressed and Blown Glass and Glassware Manufacturing	Traded	Vulcanized and Fired Materials	4	12	7	65	109	127	136	158
327213	Glass Container Manufacturing	Traded	Food Processing and Manufacturing	0	6	29	70	36	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Glass Product Manufacturing Made of Purchased										
327215	Glass	Traded	Vulcanized and Fired Materials	123	186	214	99	104	127	143	150
327310	Cement Manufacturing	Traded	Construction Products and Services	0	0	0	0	0	0	0	0
327320	Ready-Mix Concrete Manufacturing	Local	Local Real Estate, Construction, and Development	128	129	170	181	193	189	175	206
327331	Concrete Block and Brick Manufacturing	Traded	Construction Products and Services	9	6	20	8	4	36	35	28
327332	Concrete Pipe Manufacturing	Traded	Construction Products and Services	162	150	125	144	143	172	196	164
327390	Other Concrete Product Manufacturing	Local	Local Real Estate, Construction, and Development	19	15	14	13	7	28	19	1
327410	Lime Manufacturing	Traded	Construction Products and Services	0	0	0	0	0	0	0	0
327420	Gypsum Product Manufacturing	Traded	Construction Products and Services	7	0	0	0	1	1	4	7
327910	Abrasive Product Manufacturing	Traded	Metalworking Technology	46	57	89	100	95	107	130	90
327991	Cut Stone and Stone Product Manufacturing	Traded	Construction Products and Services	4	4	4	5	9	10	37	66
	Ground or Treated Mineral and Earth										
327992	Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	1	0	0	1
327993	Mineral Wool Manufacturing	Traded	Construction Products and Services	455	409	286	266	345	395	501	437
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	Traded	Construction Products and Services	7	6	2	7	15	11	10	11
331110	Iron and Steel Mills and Ferroalloy Manufacturing	Traded	Upstream Metal Manufacturing	3	41	33	49	42	32	27	27
	Iron and Steel Pipe and Tube Manufacturing from										
331210	Purchased Steel	Traded	Upstream Metal Manufacturing	0	0	0	0	1	1	1	1
331221	Rolled Steel Shape Manufacturing	Traded	Upstream Metal Manufacturing	1	1	1	0	1	1	1	1
331222	Steel Wire Drawing	Traded	Upstream Metal Manufacturing	35	20	4	11	14	2	6	7
	Alumina Refining and Primary Aluminum										
331313	Production	Traded	Upstream Metal Manufacturing	23	9	2	7	11	0	1	2
331314	Secondary Smelting and Alloying of Aluminum	Traded	Upstream Metal Manufacturing	0	0	0	1	1	6	0	0
331315	Aluminum Sheet, Plate, and Foil Manufacturing	Traded	Upstream Metal Manufacturing	0	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	0	0	0	0	1	1	1	1
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	Traded	Upstream Metal Manufacturing	1	39	80	63	28	51	44	1
331420	Copper Rolling, Drawing, Extruding, and Alloying	Traded	Upstream Metal Manufacturing	0	0	0	0	1	1	0	1
	Nonferrous Metal (except Copper and Aluminum)										
331491	Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	1	1	1	1	3	2	1	1
	Secondary Smelting, Refining, and Alloying of										
331492	Nonferrous Metal (except Copper and Aluminum)	Traded	Upstream Metal Manufacturing	1	18	7	8	4	12	21	21
331511	Iron Foundries	Traded	Automotive	1	1	1	1	3	22	19	15
331512	Steel Investment Foundries	Traded	Automotive	428	331	334	330	168	190	287	289
331513	Steel Foundries (except Investment)	Traded	Automotive	49	27	1	22	173	220	145	91
331523	Nonferrous Metal Die-Casting Foundries	Traded	Automotive	84	26	15	38	29	53	43	37
331524	Aluminum Foundries (except Die-Casting)	Traded	Automotive	72	120	116	77	89	96	117	147
	Other Nonferrous Metal Foundries (except Die-										
331529	Casting)	Traded	Automotive	1	1	1	1	1	2	1	1
332111	Iron and Steel Forging	Traded	Upstream Metal Manufacturing	13	1	1	1	1	1	78	48

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
332112	Nonferrous Forging	Traded	Upstream Metal Manufacturing	120	78	11	0	12	1	5	0
332114	Custom Roll Forming	Traded	Automotive	0	0	0	0	0	0	0	0
332117	Powder Metallurgy Part Manufacturing	Traded	Upstream Metal Manufacturing	0	0	0	0	0	0	0	0
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	Traded	Upstream Metal Manufacturing	184	156	176	225	214	216	197	146
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	Traded	Downstream Metal Products	1	22	55	113	1	1	1	0
332216	Saw Blade and Handtool Manufacturing	Traded	Downstream Metal Products	198	199	230	54	95	82	83	50
332311	Prefabricated Metal Building and Component Manufacturing	Traded	Downstream Metal Products	3	2	2	25	6	2	2	11
332312	Fabricated Structural Metal Manufacturing	Traded	Downstream Metal Products	44	50	73	82	105	59	51	71
332313	Plate Work Manufacturing	Traded	Metalworking Technology	39	8	32	87	46	45	41	32
332321	Metal Window and Door Manufacturing	Traded	Downstream Metal Products	335	347	462	508	430	514	357	273
332322	Sheet Metal Work Manufacturing	Local	Local Real Estate, Construction, and Development	141	129	119	141	162	181	185	128
332323	Ornamental and Architectural Metal Work Manufacturing	Traded	Downstream Metal Products	13	9	11	17	12	23	14	19
332410	Power Boiler and Heat Exchanger Manufacturing	Traded	Construction Products and Services	173	154	151	167	217	115	119	136
332420	Metal Tank (Heavy Gauge) Manufacturing	Traded	Construction Products and Services	1	2	2	4	16	20	5	3
332431	Metal Can Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0	0
332439	Other Metal Container Manufacturing	Traded	Downstream Metal Products	1	1	1	1	2	1	1	1
332510	Hardware Manufacturing	Traded	Downstream Metal Products	33	16	45	57	5	24	21	44
332613	Spring Manufacturing	Traded	Upstream Metal Manufacturing	59	67	40	26	46	45	47	49
332618	Other Fabricated Wire Product Manufacturing	Traded	Upstream Metal Manufacturing	14	20	30	25	19	21	15	13
332710	Machine Shops	Local	Local Industrial Products and Services	996	894	921	997	1,003	1,003	1,008	1,013
332721	Precision Turned Product Manufacturing	Traded	Metalworking Technology	117	85	72	82	79	125	77	58
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	Traded	Metalworking Technology	232	236	246	369	386	415	295	300
332811	Metal Heat Treating	Traded	Metalworking Technology	7	14	11	6	8	7	8	2
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	Traded	Metalworking Technology	107	75	85	101	108	107	104	106
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	Traded	Metalworking Technology	296	252	215	200	207	218	221	209
332911	Industrial Valve Manufacturing	Traded	Production Technology and Heavy Machinery	25	6	7	1	2	1	1	1
332912	Fluid Power Valve and Hose Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	3	9	8	1	17	22	1	0
332913	Plumbing Fixture Fitting and Trim Manufacturing	Traded	Construction Products and Services	0	0	0	0	0	0	0	14
332919	Other Metal Valve and Pipe Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	5	1	1	9	6	0	14	1
332991	Ball and Roller Bearing Manufacturing	Traded	Production Technology and Heavy Machinery	160	182	176	161	184	255	244	246
332992	Small Arms Ammunition Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0	0
332993	Ammunition (except Small Arms) Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Small Arms, Ordnance, and Ordnance Accessories										
332994	Manufacturing	Traded	Downstream Metal Products	1	2	1	227	180	204	252	277
332996	Fabricated Pipe and Pipe Fitting Manufacturing	Traded	Construction Products and Services	1	10	59	90	93	42	17	43
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Traded	Downstream Metal Products	266	331	118	154	260	237	267	209
333111	Farm Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	34	3	3	3	3	3	3	3
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	0	0	0	0	0
333120	Construction Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	5	10	20	20	22	36	64	62
333131	Mining Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	0	0	0
333132	Oil and Gas Field Machinery and Equipment Manufacturing	Traded	Oil and Gas Production and Transportation	150	153	143	145	150	154	140	145
333241	Food Product Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	3	2	2	2	2	2	1	1
333242	Semiconductor Machinery Manufacturing	Traded	Information Technology and Analytical Instruments	151	136	59	74	79	96	50	43
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	6	2	2	2	1	1	1	1
333244	Printing Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	42	15	2	1	1	1	1	1
333249	Other Industrial Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	86	84	85	44	75	15	59	70
333314	Optical Instrument and Lens Manufacturing	Traded	Medical Devices	63	145	150	229	149	147	161	183
333316	Photographic and Photocopying Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	88	260	310	209	8	29	17	36
333318	Other Commercial and Service Industry Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	295	125	104	138	21	24	33	29
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	180	170	194	157	147	103	121	108
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	Traded	Production Technology and Heavy Machinery	374	354	292	313	327	28	342	352
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	7	7	37	30	39	34	15	23
333511	Industrial Mold Manufacturing	Traded	Metalworking Technology	144	121	127	125	112	186	239	159
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	Traded	Metalworking Technology	29	27	30	29	30	47	50	59
333515	Cutting Tool and Machine Tool Accessory Manufacturing	Traded	Metalworking Technology	63	50	56	55	63	62	65	63
333517	Machine Tool Manufacturing	Traded	Metalworking Technology	1,053	985	913	1,015	1,140	1,423	1,216	1,229
333519	Rolling Mill and Other Metalworking Machinery Manufacturing	Traded	Metalworking Technology	67	66	88	54	35	34	34	2
333611	Turbine and Turbine Generator Set Units Manufacturing	Traded	Production Technology and Heavy Machinery	64	89	54	105	70	65	55	67
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Mechanical Power Transmission Equipment										
333613	Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	1	0	0	0	0	0
333618	Other Engine Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	0	5	33	28
333911	Pump and Pumping Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	55	56	48	13	32	42	58	53
333912	Air and Gas Compressor Manufacturing	Traded	Production Technology and Heavy Machinery	21	4	76	38	90	84	94	74
333913	Measuring and Dispensing Pump Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0	0
333921	Elevator and Moving Stairway Manufacturing	Traded	Production Technology and Heavy Machinery	150	185	138	155	128	112	141	104
333922	Conveyor and Conveying Equipment	Traded	Production Technology and Heavy Machinery	24	13	16	42	18	38	1	1
333923	Manufacturing Overhead Traveling Crane, Hoist, and Monorail	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	1	1
333923	System Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	1	1
333924	Industrial Truck, Tractor, Trailer, and Stacker	Traded	Production Technology and Heavy Machinery	71	42	7	2	12	22	39	59
333991	Machinery Manufacturing	Traded	Metalworking Technology	1	1	1	1	0	0	0	0
333991	Power-Driven Handtool Manufacturing	Traded	Metalworking Technology	1	1	1	1	0	0	0	0
333992	Welding and Soldering Equipment Manufacturing	Traded	Metalworking Technology	16	4	14	12	8	4	13	35
333993	Packaging Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	14	13	13	17	23	17	13	17
333994	Industrial Process Furnace and Oven	Traded	Production Technology and Heavy Machinery	7	3	5	2	7	15	25	1
333994	Manufacturing	Traded	Production Technology and Heavy Machinery	7	3	5	2	7	15	25	1
333995	Fluid Power Cylinder and Actuator Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	11	6
333996	Fluid Power Pump and Motor Manufacturing	Traded	Production Technology and Heavy Machinery	70	82	57	36	59	68	54	49
333997	Scale and Balance Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	2	5
333999	All Other Miscellaneous General Purpose	Traded	Production Technology and Heavy Machinery	469	491	551	611	582	551	518	562
334111	Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	469	491	551	611	582	551	518	562
334111	Electronic Computer Manufacturing	Traded	Information Technology and Analytical Instruments	147	105	96	118	80	8	26	24
334112	Computer Storage Device Manufacturing	Traded	Information Technology and Analytical Instruments	36	162	148	102	71	2	83	122
334118	Computer Terminal and Other Computer	Traded	Information Technology and Analytical Instruments	723	757	749	703	669	239	796	825
334210	Peripheral Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	723	757	749	703	669	239	796	825
334210	Telephone Apparatus Manufacturing	Traded	Communications Equipment and Services	408	239	122	87	32	29	27	53
334220	Radio and Television Broadcasting and Wireless	Traded	Communications Equipment and Services	909	595	552	547	615	846	809	898
334220	Communications Equipment Manufacturing	Traded	Communications Equipment and Services	909	595	552	547	615	846	809	898
334290	Other Communications Equipment Manufacturing	Traded	Communications Equipment and Services	280	39	21	1	2	2	2	1
334310	Audio and Video Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	384	379	242	120	164	141	81	52
334412	Bare Printed Circuit Board Manufacturing	Traded	Information Technology and Analytical Instruments	785	693	611	453	248	98	58	56
334413	Semiconductor and Related Device Manufacturing	Traded	Information Technology and Analytical Instruments	2,095	2,025	1,507	1,212	1,412	1,347	1,585	1,501
334416	Capacitor, Resistor, Coil, Transformer, and Other	Traded	Information Technology and Analytical Instruments	162	106	224	262	246	256	272	272
334417	Inductor Manufacturing	Traded	Information Technology and Analytical Instruments	196	229	250	223	228	222	216	229
334417	Electronic Connector Manufacturing	Traded	Information Technology and Analytical Instruments	196	229	250	223	228	222	216	229

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Printed Circuit Assembly (Electronic Assembly)										
334418	Manufacturing	Traded	Information Technology and Analytical Instruments	570	406	411	404	396	533	853	819
334419	Other Electronic Component Manufacturing	Traded	Information Technology and Analytical Instruments	1,517	1,476	1,295	1,347	1,492	1,387	1,411	1,404
	Electromedical and Electrotherapeutic Apparatus										
334510	Manufacturing	Traded	Information Technology and Analytical Instruments	341	143	342	348	258	256	304	368
	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument										
334511	Manufacturing	Traded	Aerospace Vehicles and Defense	210	198	110	111	76	187	172	161
	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	Traded	Information Technology and Analytical Instruments	152	99	94	94	77	39	14	10
	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling										
334513	Industrial Process Variables	Traded	Information Technology and Analytical Instruments	112	111	104	94	111	156	167	184
	Totalizing Fluid Meter and Counting Device										
334514	Manufacturing	Traded	Information Technology and Analytical Instruments	106	181	182	74	135	167	153	140
	Instrument Manufacturing for Measuring and										
334515	Testing Electricity and Electrical Signals	Traded	Information Technology and Analytical Instruments	352	273	353	373	365	140	39	42
334516	Analytical Laboratory Instrument Manufacturing	Traded	Information Technology and Analytical Instruments	44	38	39	32	37	36	41	52
334517	Irradiation Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments	0	0	0	0	0	1	0	0
	Other Measuring and Controlling Device										
334519	Manufacturing	Traded	Information Technology and Analytical Instruments	313	348	342	347	381	403	422	454
	Blank Magnetic and Optical Recording Media										
334613	Manufacturing	Traded	Information Technology and Analytical Instruments	250	347	528	569	190	137	151	91
	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing	Traded	Information Technology and Analytical Instruments	1,807	1,550	1,708	1,549	1,529	1,358	752	643
335110	Electric Lamp Bulb and Part Manufacturing	Traded	Lighting and Electrical Equipment	86	23	28	1	1	1	1	0
335121	Residential Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	270	210	193	211	225	285	262	254
	Commercial, Industrial, and Institutional Electric										
335122	Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	2	97	151	279	281	173	157	153
335129	Other Lighting Equipment Manufacturing	Traded	Lighting and Electrical Equipment	2	216	289	318	392	176	213	222
335210	Small Electrical Appliance Manufacturing	Traded	Recreational and Small Electric Goods	1	1	5	33	2	13	5	17
335221	Household Cooking Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	1	1	1	1	1	1	1	1
	Household Refrigerator and Home Freezer										
335222	Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0	0
335224	Household Laundry Equipment Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	2	0	0	0	0
335228	Other Major Household Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	14	15	1	15	0	0	0	0
	Power, Distribution, and Specialty Transformer										
335311	Manufacturing	Traded	Lighting and Electrical Equipment	2	1	2	1	2	1	29	16
335312	Motor and Generator Manufacturing	Traded	Lighting and Electrical Equipment	346	357	357	339	324	320	344	375
	Switchgear and Switchboard Apparatus										
335313	Manufacturing	Traded	Lighting and Electrical Equipment	16	5	9	15	15	4	4	3

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
335314	Relay and Industrial Control Manufacturing	Traded	Lighting and Electrical Equipment	72	79	93	85	102	90	73	81
335911	Storage Battery Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	1	19	14	18
335912	Primary Battery Manufacturing	Traded	Communications Equipment and Services	0	0	0	0	0	0	0	0
335921	Fiber Optic Cable Manufacturing	Traded	Lighting and Electrical Equipment	15	40	1	5	2	6	17	17
335929	Other Communication and Energy Wire Manufacturing	Traded	Lighting and Electrical Equipment	8	4	1	1	1	1	1	1
335931	Current-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	130	76	31	10	15	31	50	45
335932	Noncurrent-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	1	1	1	1
335991	Carbon and Graphite Product Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	6	7	1	1
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	Traded	Lighting and Electrical Equipment	380	264	217	466	444	438	235	243
336111	Automobile Manufacturing	Traded	Automotive	173	149	61	1	1	8	64	153
336112	Light Truck and Utility Vehicle Manufacturing	Traded	Automotive	0	0	0	0	0	0	0	0
336120	Heavy Duty Truck Manufacturing	Traded	Automotive	5	3	0	0	0	47	0	0
336211	Motor Vehicle Body Manufacturing	Traded	Automotive	11	19	20	74	60	69	122	87
336212	Truck Trailer Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	1	1	1	1	1
336213	Motor Home Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0	0
336214	Travel Trailer and Camper Manufacturing	Traded	Trailers, Motor Homes, and Appliances	1	1	1	1	1	2	2	1
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	Traded	Automotive	124	115	109	98	142	136	123	85
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	Traded	Automotive	10	4	4	6	3	6	2	2
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	Traded	Automotive	0	0	0	0	2	1	1	0
336340	Motor Vehicle Brake System Manufacturing	Traded	Automotive	21	20	11	5	13	11	9	1
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	Traded	Automotive	10	9	10	13	14	12	13	10
336360	Motor Vehicle Seating and Interior Trim Manufacturing	Traded	Automotive	0	0	0	1	0	1	1	1
336370	Motor Vehicle Metal Stamping	Traded	Automotive	0	0	0	0	0	1	1	1
336390	Other Motor Vehicle Parts Manufacturing	Traded	Automotive	202	363	368	298	294	295	297	248
336411	Aircraft Manufacturing	Traded	Aerospace Vehicles and Defense	19	11	4	23	17	15	16	14
336412	Aircraft Engine and Engine Parts Manufacturing	Traded	Aerospace Vehicles and Defense	15	48	0	0	1	1	1	12
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	736	693	662	705	808	889	995	990
336414	Guided Missile and Space Vehicle Manufacturing	Traded	Aerospace Vehicles and Defense	9	1	217	307	335	166	100	83
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	Traded	Aerospace Vehicles and Defense	0	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Other Guided Missile and Space Vehicle Parts and										
336419	Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	27	4	89	17	50	39	98	82
336510	Railroad Rolling Stock Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0	0
336611	Ship Building and Repairing	Traded	Water Transportation	1	1	16	12	31	38	7	1
336612	Boat Building	Traded	Water Transportation	15	66	26	41	34	23	49	56
336991	Motorcycle, Bicycle, and Parts Manufacturing	Traded	Recreational and Small Electric Goods	191	159	108	117	94	102	52	78
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing	Traded	Automotive	0	0	0	0	0	0	0	0
336999	All Other Transportation Equipment Manufacturing	Traded	Automotive	59	89	151	153	167	158	185	78
337110	Wood Kitchen Cabinet and Countertop Manufacturing	Traded	Furniture	226	230	276	289	286	282	263	234
337121	Upholstered Household Furniture Manufacturing	Traded	Furniture	27	36	34	51	46	44	27	17
337122	Nonupholstered Wood Household Furniture Manufacturing	Traded	Furniture	78	96	64	45	36	31	32	32
337124	Metal Household Furniture Manufacturing	Traded	Furniture	85	93	54	62	61	68	81	62
337125	Household Furniture (except Wood and Metal) Manufacturing	Traded	Furniture	158	4	16	0	1	1	1	1
337127	Institutional Furniture Manufacturing	Traded	Furniture	36	90	14	13	36	27	1	1
337211	Wood Office Furniture Manufacturing	Traded	Furniture	1	1	10	13	1	1	1	1
337212	Custom Architectural Woodwork and Millwork Manufacturing	Local	Local Real Estate, Construction, and Development	2	2	2	3	2	11	20	9
337214	Office Furniture (except Wood) Manufacturing	Traded	Furniture	95	101	92	89	86	94	86	72
337215	Showcase, Partition, Shelving, and Locker Manufacturing	Traded	Furniture	27	27	23	22	23	15	12	17
337910	Mattress Manufacturing	Traded	Furniture	11	19	45	82	1	1	1	1
337920	Blind and Shade Manufacturing	Traded	Recreational and Small Electric Goods	6	1	24	37	37	16	20	20
339112	Surgical and Medical Instrument Manufacturing	Traded	Medical Devices	134	203	196	205	228	221	224	232
339113	Surgical Appliance and Supplies Manufacturing	Traded	Medical Devices	566	504	523	573	517	417	407	415
339114	Dental Equipment and Supplies Manufacturing	Traded	Medical Devices	173	171	173	182	173	173	172	167
339115	Ophthalmic Goods Manufacturing	Traded	Medical Devices	20	16	23	27	17	17	10	11
339116	Dental Laboratories	Local	Local Health Services	82	78	86	80	100	99	94	88
339910	Jewelry and Silverware Manufacturing	Traded	Jewelry and Precious Metals	98	98	93	100	89	94	95	89
339920	Sporting and Athletic Goods Manufacturing	Traded	Recreational and Small Electric Goods	350	269	191	205	178	134	129	168
339930	Doll, Toy, and Game Manufacturing	Traded	Recreational and Small Electric Goods	28	35	23	21	23	20	17	18
339940	Office Supplies (except Paper) Manufacturing	Traded	Recreational and Small Electric Goods	139	249	84	67	71	67	70	46
339950	Sign Manufacturing	Local	Local Commercial Services	160	159	157	145	139	133	137	119
339991	Gasket, Packing, and Sealing Device Manufacturing	Traded	Production Technology and Heavy Machinery	3	3	3	3	3	3	3	3

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
339992	Musical Instrument Manufacturing	Traded	Recreational and Small Electric Goods	125	150	158	175	195	219	220	197
339993	Fastener, Button, Needle, and Pin Manufacturing	Traded	Recreational and Small Electric Goods	3	2	3	3	2	2	2	2
339994	Broom, Brush, and Mop Manufacturing	Traded	Plastics	2	2	2	2	2	1	2	1
339995	Burial Casket Manufacturing	Traded	Trailers, Motor Homes, and Appliances	5	6	6	5	2	2	2	1
339999	All Other Miscellaneous Manufacturing	Traded	Recreational and Small Electric Goods	258	310	371	392	425	463	368	185
423110	Wholesalers Automobile and Other Motor Vehicle Merchant Motor Vehicle Supplies and New Parts Merchant	Local	Local Motor Vehicle Products and Services	75	51	54	79	85	123	84	86
423120	Wholesalers	Local	Local Motor Vehicle Products and Services	608	559	507	493	362	415	463	581
423130	Tire and Tube Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	31	28	24	11	6	35	28	33
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	5	5	5	4	3	5	10	3
423210	Furniture Merchant Wholesalers	Traded	Distribution and Electronic Commerce	198	194	93	44	53	49	43	35
423220	Home Furnishing Merchant Wholesalers Lumber, Plywood, Millwork, and Wood Panel	Traded	Distribution and Electronic Commerce	132	131	139	147	204	218	206	140
423310	Merchant Wholesalers Brick, Stone, and Related Construction Material	Local	Local Real Estate, Construction, and Development	52	45	64	99	156	157	127	103
423320	Merchant Wholesalers Roofing, Siding, and Insulation Material Merchant	Local	Local Real Estate, Construction, and Development	64	68	77	91	94	86	76	90
423330	Wholesalers Other Construction Material Merchant	Local	Local Real Estate, Construction, and Development	1	4	1	1	2	2	21	7
423390	Wholesalers Photographic Equipment and Supplies Merchant	Local	Local Real Estate, Construction, and Development	2	2	2	2	2	2	7	11
423410	Wholesalers	Traded	Distribution and Electronic Commerce	145	162	181	105	104	96	74	43
423420	Office Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	52	58	57	58	55	61	82	96
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers Other Commercial Equipment Merchant	Traded	Distribution and Electronic Commerce	671	681	586	420	359	290	288	274
423440	Wholesalers Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	26	24	20	67	68	75	63	72
423450	Ophthalmic Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	142	160	221	271	354	238	212	203
423460	Other Professional Equipment and Supplies	Traded	Distribution and Electronic Commerce	69	95	46	60	121	122	124	119
423490	Merchant Wholesalers Metal Service Centers and Other Metal Merchant	Traded	Distribution and Electronic Commerce	34	31	31	23	25	26	26	56
423510	Wholesalers Coal and Other Mineral and Ore Merchant	Traded	Distribution and Electronic Commerce	174	175	200	188	174	168	172	194
423520	Wholesalers Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant	Traded	Distribution and Electronic Commerce	0	0	0	2	1	6	11	15
423610	Wholesalers	Traded	Distribution and Electronic Commerce	299	267	208	264	268	263	253	248
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers	Traded	Distribution and Electronic Commerce	18	21	37	36	54	37	40	47

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Other Electronic Parts and Equipment Merchant										
423690	Wholesalers	Traded	Distribution and Electronic Commerce	1,029	897	949	931	1,068	1,049	1,009	951
423710	Hardware Merchant Wholesalers	Local	Local Household Goods and Services	116	135	138	144	149	131	130	105
	Plumbing and Heating Equipment and Supplies										
423720	(Hydronics) Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	174	165	164	165	180	179	220	205
	Warm Air Heating and Air-Conditioning										
423730	Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	50	52	50	53	54	39	36	36
	Refrigeration Equipment and Supplies Merchant										
423740	Wholesalers	Local	Local Real Estate, Construction, and Development	22	21	21	21	17	12	11	11
	Construction and Mining (except Oil Well)										
423810	Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	91	81	82	26	60	76	102	92
	Farm and Garden Machinery and Equipment										
423820	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	131	143	152	126	108	108	114	97
	Industrial Machinery and Equipment Merchant										
423830	Wholesalers	Traded	Distribution and Electronic Commerce	319	331	324	330	427	438	439	450
423840	Industrial Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	248	243	237	215	209	197	192	203
	Service Establishment Equipment and Supplies										
423850	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	47	65	63	120	81	63	51	47
	Transportation Equipment and Supplies (except										
423860	Motor Vehicle) Merchant Wholesalers	Traded	Distribution and Electronic Commerce	345	323	173	161	156	154	161	166
	Sporting and Recreational Goods and Supplies										
423910	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	251	231	260	226	230	217	237	186
	Toy and Hobby Goods and Supplies Merchant										
423920	Wholesalers	Traded	Distribution and Electronic Commerce	56	18	17	18	27	32	75	97
423930	Recyclable Material Merchant Wholesalers	Local	Local Industrial Products and Services	386	265	278	304	290	295	301	301
	Jewelry, Watch, Precious Stone, and Precious										
423940	Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce	52	45	43	44	44	37	45	42
	Other Miscellaneous Durable Goods Merchant										
423990	Wholesalers	Local	Local Industrial Products and Services	328	268	263	303	286	289	285	256
	Printing and Writing Paper Merchant Wholesalers										
424110	Stationery and Office Supplies Merchant	Traded	Distribution and Electronic Commerce	11	9	8	10	15	10	5	2
	Wholesalers										
424120	Wholesalers	Traded	Distribution and Electronic Commerce	62	68	101	80	89	95	90	81
	Industrial and Personal Service Paper Merchant										
424130	Wholesalers	Traded	Distribution and Electronic Commerce	57	64	62	65	67	79	89	77
	Drugs and Druggists' Sundries Merchant										
424210	Wholesalers	Traded	Distribution and Electronic Commerce	208	766	1,195	1,328	1,084	1,194	1,293	1,071
	Piece Goods, Notions, and Other Dry Goods										
424310	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	22	24	29	27	36	42	46	44
	Men's and Boys' Clothing and Furnishings										
424320	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	41	41	38	18	20	13	15	14
	Women's, Children's, and Infants' Clothing and										
424330	Accessories Merchant Wholesalers	Traded	Distribution and Electronic Commerce	312	261	190	163	136	139	193	166
424340	Footwear Merchant Wholesalers	Traded	Distribution and Electronic Commerce	66	72	58	43	34	68	37	91

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
424410	General Line Grocery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	300	354	257	268	243	519	445	358
424420	Packaged Frozen Food Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	18	9	5	8	11	13	18	16
424430	Dairy Product (except Dried or Canned) Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	30	28	30	38	38	35	37	39
424440	Poultry and Poultry Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	26	5	2	4	1	0	10	14
424450	Confectionery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	90	90	86	85	84	83	102	102
424460	Fish and Seafood Merchant Wholesalers	Traded	Distribution and Electronic Commerce	93	93	60	74	84	146	138	136
424470	Meat and Meat Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	20	6	6	4	2	3	7	5
424480	Fresh Fruit and Vegetable Merchant Wholesalers	Traded	Distribution and Electronic Commerce	802	828	702	764	791	807	719	645
424490	Other Grocery and Related Products Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	175	175	277	330	285	200	188	188
424510	Grain and Field Bean Merchant Wholesalers	Traded	Food Processing and Manufacturing	5	5	6	6	4	6	7	4
424520	Livestock Merchant Wholesalers	Traded	Livestock Processing	2	2	2	2	1	2	2	1
424590	Other Farm Product Raw Material Merchant Wholesalers	Traded	Distribution and Electronic Commerce	2	2	2	2	23	30	32	1
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	Traded	Distribution and Electronic Commerce	69	64	46	51	77	57	53	42
424690	Other Chemical and Allied Products Merchant Wholesalers	Traded	Distribution and Electronic Commerce	59	58	81	78	86	79	72	70
424710	Petroleum Bulk Stations and Terminals	Traded	Distribution and Electronic Commerce	12	15	20	25	24	39	30	30
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)	Traded	Distribution and Electronic Commerce	87	103	110	108	130	132	103	96
424810	Beer and Ale Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	257	308	302	317	346	342	357	250
424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers	Traded	Distribution and Electronic Commerce	8	17	35	39	41	60	67	95
424910	Farm Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	184	196	214	254	267	311	318	267
424920	Book, Periodical, and Newspaper Merchant Wholesalers	Traded	Distribution and Electronic Commerce	68	77	78	71	79	82	85	79
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	488	463	369	332	338	293	205	234
424940	Tobacco and Tobacco Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	51	97	111	98	104	91	110	139
424950	Paint, Varnish, and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	43	46	51	54	55	49	60	60
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	359	333	588	649	811	701	793	975
425110	Business to Business Electronic Markets	Traded	Distribution and Electronic Commerce	223	356	349	340	360	188	411	510
425120	Wholesale Trade Agents and Brokers	Traded	Distribution and Electronic Commerce	665	1,046	1,098	1,189	1,265	1,474	1,498	1,484
441110	New Car Dealers	Local	Local Motor Vehicle Products and Services	3,476	3,627	3,577	3,721	3,822	3,708	3,660	3,438
441120	Used Car Dealers	Local	Local Motor Vehicle Products and Services	165	214	310	225	226	178	169	158
441210	Recreational Vehicle Dealers	Local	Local Motor Vehicle Products and Services	80	86	92	103	103	92	87	76

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
441222	Boat Dealers	Local	Local Motor Vehicle Products and Services	111	69	67	68	73	68	61	64
	Motorcycle, ATV, and All Other Motor Vehicle										
441228	Dealers	Local	Local Motor Vehicle Products and Services	190	216	251	279	299	324	322	289
441310	Automotive Parts and Accessories Stores	Local	Local Motor Vehicle Products and Services	885	913	969	924	918	933	908	878
441320	Tire Dealers	Local	Local Motor Vehicle Products and Services	417	396	403	467	469	466	415	388
442110	Furniture Stores	Local	Local Household Goods and Services	516	533	578	567	518	672	691	581
442210	Floor Covering Stores	Local	Local Household Goods and Services	231	224	219	265	235	203	200	199
442291	Window Treatment Stores	Local	Local Household Goods and Services	40	37	21	18	23	31	32	29
442299	All Other Home Furnishings Stores	Local	Local Household Goods and Services	863	825	610	618	584	589	580	613
443141	Household Appliance Stores	Local	Local Household Goods and Services	209	185	183	82	84	73	76	83
443142	Electronics Stores	Local	Local Entertainment and Media	1,304	1,245	1,133	1,254	1,495	1,856	2,086	1,944
444110	Home Centers	Local	Local Real Estate, Construction, and Development	1,093	1,331	1,396	1,499	1,542	1,584	1,459	1,329
444120	Paint and Wallpaper Stores	Local	Local Real Estate, Construction, and Development	63	67	65	68	71	69	68	68
444130	Hardware Stores	Local	Local Household Goods and Services	382	430	443	463	311	328	321	293
444190	Other Building Material Dealers	Local	Local Real Estate, Construction, and Development	785	643	663	774	864	956	945	849
444210	Outdoor Power Equipment Stores	Local	Local Household Goods and Services	17	11	8	8	7	15	7	8
444220	Nursery, Garden Center, and Farm Supply Stores	Local	Local Household Goods and Services	252	251	238	247	259	179	171	159
	Supermarkets and Other Grocery (except										
445110	Convenience) Stores	Local	Local Food and Beverage Processing and Distribution	4,979	5,062	5,263	5,461	5,902	6,009	6,044	6,037
445120	Convenience Stores	Local	Local Food and Beverage Processing and Distribution	251	264	280	286	297	297	316	334
445210	Meat Markets	Local	Local Food and Beverage Processing and Distribution	109	128	120	131	137	141	138	108
445220	Fish and Seafood Markets	Local	Local Food and Beverage Processing and Distribution	23	17	18	9	3	3	3	6
445230	Fruit and Vegetable Markets	Local	Local Food and Beverage Processing and Distribution	334	230	172	158	135	138	143	212
445291	Baked Goods Stores	Local	Local Food and Beverage Processing and Distribution	16	13	12	23	22	41	57	58
445292	Confectionery and Nut Stores	Local	Local Food and Beverage Processing and Distribution	64	59	55	57	69	70	69	75
445299	All Other Specialty Food Stores	Local	Local Food and Beverage Processing and Distribution	457	441	456	384	406	227	300	286
445310	Beer, Wine, and Liquor Stores	Local	Local Food and Beverage Processing and Distribution	211	207	288	279	291	281	290	305
446110	Pharmacies and Drug Stores	Local	Local Health Services	1,598	1,579	1,533	1,599	1,533	1,591	1,694	1,709
446120	Cosmetics, Beauty Supplies, and Perfume Stores	Local	Local Personal Services (Non-Medical)	244	250	288	278	289	322	383	405
446130	Optical Goods Stores	Local	Local Health Services	93	95	107	102	116	112	135	135
446191	Food (Health) Supplement Stores	Local	Local Food and Beverage Processing and Distribution	181	182	212	247	203	213	202	205
446199	All Other Health and Personal Care Stores	Local	Local Personal Services (Non-Medical)	116	105	113	94	87	73	97	96
447110	Gasoline Stations with Convenience Stores	Local	Local Motor Vehicle Products and Services	858	917	925	900	803	832	843	861
447190	Other Gasoline Stations	Local	Local Motor Vehicle Products and Services	292	263	269	293	221	176	115	76
448110	Men's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	119	135	150	128	145	156	133	158
448120	Women's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	548	571	526	554	598	683	653	714
448130	Children's and Infants' Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	190	175	164	176	168	180	227	235
448140	Family Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	1,097	1,213	1,263	1,315	1,542	1,554	1,713	1,789
448150	Clothing Accessories Stores	Local	Local Retailing of Clothing and General Merchandise	122	83	77	83	115	137	156	155
448190	Other Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	179	185	205	198	212	234	264	287
448210	Shoe Stores	Local	Local Retailing of Clothing and General Merchandise	505	533	548	594	564	613	645	657
448310	Jewelry Stores	Local	Local Retailing of Clothing and General Merchandise	331	346	351	333	341	370	377	359
448320	Luggage and Leather Goods Stores	Local	Local Retailing of Clothing and General Merchandise	88	72	66	79	105	121	96	110
451110	Sporting Goods Stores	Local	Local Entertainment and Media	592	595	588	540	566	779	919	874
451120	Hobby, Toy, and Game Stores	Local	Local Entertainment and Media	506	480	479	431	441	486	431	405

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
451130	Sewing, Needlework, and Piece Goods Stores	Local	Local Retailing of Clothing and General Merchandise	203	188	198	186	217	220	189	181
451140	Musical Instrument and Supplies Stores	Local	Local Entertainment and Media	107	94	93	100	94	96	96	97
451211	Book Stores	Local	Local Entertainment and Media	387	392	390	428	444	418	413	358
451212	News Dealers and Newsstands	Local	Local Entertainment and Media	16	17	17	16	21	37	34	27
	Department Stores (except Discount Department Stores)	Local	Local Retailing of Clothing and General Merchandise	3,436	3,127	2,227	2,114	2,642	2,545	2,035	1,902
452112	Discount Department Stores	Local	Local Retailing of Clothing and General Merchandise	1,315	1,572	2,196	2,558	2,606	2,782	2,851	2,833
452910	Warehouse Clubs and Supercenters	Local	Local Retailing of Clothing and General Merchandise	768	746	1,096	1,002	954	1,026	993	936
452990	All Other General Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	543	560	714	788	702	717	806	900
453110	Florists	Local	Local Household Goods and Services	311	280	288	241	242	200	216	197
453210	Office Supplies and Stationery Stores	Local	Local Commercial Services	481	459	485	409	396	352	361	343
453220	Gift, Novelty, and Souvenir Stores	Local	Local Hospitality Establishments	696	732	669	689	616	618	450	366
453310	Used Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	319	332	439	410	367	287	223	215
453910	Pet and Pet Supplies Stores	Local	Local Personal Services (Non-Medical)	287	299	300	303	307	327	320	432
453920	Art Dealers	Traded	Hospitality and Tourism	97	94	81	81	70	79	83	91
453930	Manufactured (Mobile) Home Dealers	Local	Local Motor Vehicle Products and Services	18	17	14	9	7	25	20	19
453991	Tobacco Stores	Local	Local Food and Beverage Processing and Distribution	49	50	59	55	39	47	44	44
	All Other Miscellaneous Store Retailers (except Tobacco Stores)	Local	Local Personal Services (Non-Medical)	421	370	387	415	387	388	387	364
454111	Electronic Shopping	Traded	Distribution and Electronic Commerce	121	110	125	127	140	119	130	135
454112	Electronic Auctions	Traded	Distribution and Electronic Commerce	19	12	1	4	8	4	12	64
454113	Mail-Order Houses	Traded	Distribution and Electronic Commerce	172	176	178	199	438	476	528	670
454210	Vending Machine Operators	Local	Local Food and Beverage Processing and Distribution	87	88	95	107	106	99	82	84
454310	Fuel Dealers	Local	Local Utilities	46	46	40	45	32	37	38	35
454390	Other Direct Selling Establishments	Local	Local Food and Beverage Processing and Distribution	1,195	1,164	1,197	1,241	1,187	1,155	1,096	1,092
481111	Scheduled Passenger Air Transportation	Traded	Transportation and Logistics	30	25	27	28	18	19	30	20
481112	Scheduled Freight Air Transportation	Traded	Transportation and Logistics	3	2	2	2	2	2	2	2
	Nonscheduled Chartered Passenger Air Transportation	Traded	Transportation and Logistics	56	49	46	43	58	53	54	50
	Nonscheduled Chartered Freight Air Transportation	Traded	Transportation and Logistics	2	2	2	2	2	2	35	47
481212	Other Nonscheduled Air Transportation	Traded	Transportation and Logistics	3	3	3	3	4	3	3	3
483111	Deep Sea Freight Transportation	Traded	Water Transportation	1	4	5	7	2	2	4	12
483112	Deep Sea Passenger Transportation	Traded	Water Transportation	0	0	0	0	0	0	1	0
483113	Coastal and Great Lakes Freight Transportation	Traded	Water Transportation	1	1	1	1	1	1	2	2
483114	Coastal and Great Lakes Passenger Transportation	Traded	Water Transportation	0	0	0	0	0	0	1	1
483211	Inland Water Freight Transportation	Traded	Water Transportation	1	1	1	1	1	1	2	1
483212	Inland Water Passenger Transportation	Traded	Water Transportation	1	1	1	1	1	3	5	4
484110	General Freight Trucking, Local	Local	Local Logistical Services	551	542	457	423	423	481	516	566
	General Freight Trucking, Long-Distance, Truckload	Traded	Transportation and Logistics	336	268	262	262	200	220	227	239
	General Freight Trucking, Long-Distance, Less Than Truckload	Local	Local Logistical Services	191	226	206	228	267	254	257	272
484210	Used Household and Office Goods Moving	Local	Local Logistical Services	207	235	204	177	173	166	156	151

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
484220	Specialized Freight (except Used Goods) Trucking, Local	Local	Local Logistical Services	423	399	437	390	364	405	415	391
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	Traded	Transportation and Logistics	87	76	209	217	213	209	205	221
485111	Mixed Mode Transit Systems	Local	Local Logistical Services	0	0	0	0	0	18	36	20
485112	Commuter Rail Systems	Local	Local Logistical Services	0	0	0	0	0	0	0	0
485113	Bus and Other Motor Vehicle Transit Systems	Local	Local Logistical Services	45	56	65	69	72	71	110	117
485119	Other Urban Transit Systems	Local	Local Logistical Services	0	0	0	0	0	0	0	0
485210	Interurban and Rural Bus Transportation	Traded	Transportation and Logistics	50	56	83	89	84	99	90	103
485310	Taxi Service	Traded	Business Services	94	85	92	45	26	25	17	19
485320	Limousine Service	Traded	Business Services	164	180	204	111	87	86	94	98
485410	School and Employee Bus Transportation	Local	Local Logistical Services	226	214	200	136	158	167	168	158
485510	Charter Bus Industry	Traded	Transportation and Logistics	107	94	68	58	63	57	15	12
485991	Special Needs Transportation	Local	Local Logistical Services	49	55	98	44	56	56	64	60
485999	All Other Transit and Ground Passenger Transportation	Traded	Business Services	172	120	82	158	167	177	196	219
486110	Pipeline Transportation of Crude Oil	Traded	Oil and Gas Production and Transportation	13	13	14	7	0	0	0	0
486210	Pipeline Transportation of Natural Gas	Traded	Oil and Gas Production and Transportation	30	31	33	14	0	0	0	0
486910	Pipeline Transportation of Refined Petroleum Products	Traded	Oil and Gas Production and Transportation	3	4	5	17	17	16	5	0
486990	All Other Pipeline Transportation	Traded	Oil and Gas Production and Transportation	0	0	0	0	0	0	0	0
487110	Scenic and Sightseeing Transportation, Land	Traded	Hospitality and Tourism	57	18	13	4	17	25	43	46
487210	Scenic and Sightseeing Transportation, Water	Traded	Hospitality and Tourism	35	45	45	66	49	40	28	26
487990	Scenic and Sightseeing Transportation, Other	Traded	Hospitality and Tourism	0	0	0	0	0	0	0	0
488111	Air Traffic Control	Traded	Transportation and Logistics	11	13	12	14	11	8	0	20
488119	Other Airport Operations	Traded	Transportation and Logistics	58	63	56	75	80	122	165	163
488190	Other Support Activities for Air Transportation	Traded	Transportation and Logistics	119	126	117	114	117	185	180	180
488210	Support Activities for Rail Transportation	Traded	Transportation and Logistics	1	1	1	1	1	0	1	1
488310	Port and Harbor Operations	Traded	Water Transportation	289	284	252	257	299	274	415	452
488320	Marine Cargo Handling	Traded	Water Transportation	8	4	6	10	8	5	7	10
488330	Navigational Services to Shipping	Traded	Water Transportation	129	94	92	64	73	50	80	88
488390	Other Support Activities for Water Transportation	Traded	Water Transportation	20	18	18	13	14	14	14	21
488410	Motor Vehicle Towing	Local	Local Motor Vehicle Products and Services	389	399	240	237	267	243	260	256
488490	Other Support Activities for Road Transportation	Traded	Transportation and Logistics	22	25	49	81	54	103	82	26
488510	Freight Transportation Arrangement	Traded	Transportation and Logistics	64	57	64	62	56	79	90	92
488991	Packing and Crating	Traded	Transportation and Logistics	3	3	6	11	2	1	3	2
488999	All Other Support Activities for Transportation	Traded	Transportation and Logistics	0	0	0	0	0	0	1	0
492110	Couriers and Express Delivery Services	Local	Local Logistical Services	660	651	688	728	689	663	651	660
492210	Local Messengers and Local Delivery	Local	Local Logistical Services	167	147	117	126	146	163	179	206
493110	General Warehousing and Storage	Traded	Distribution and Electronic Commerce	505	533	436	615	666	665	805	887

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
493120	Refrigerated Warehousing and Storage	Traded	Distribution and Electronic Commerce	224	256	158	183	235	277	131	129
493130	Farm Product Warehousing and Storage	Traded	Distribution and Electronic Commerce	0	0	55	0	0	0	0	0
493190	Other Warehousing and Storage	Traded	Distribution and Electronic Commerce	137	149	116	175	182	195	64	74
511110	Newspaper Publishers	Local	Local Entertainment and Media	632	622	658	678	578	592	554	502
511120	Periodical Publishers	Traded	Marketing, Design, and Publishing	335	332	347	306	289	346	338	346
511130	Book Publishers	Traded	Marketing, Design, and Publishing	449	428	440	453	459	518	539	537
511140	Directory and Mailing List Publishers	Traded	Marketing, Design, and Publishing	21	20	20	15	16	54	73	48
511191	Greeting Card Publishers	Traded	Printing Services	2	6	2	9	6	6	3	1
511199	All Other Publishers	Traded	Marketing, Design, and Publishing	27	32	34	45	39	44	74	41
511210	Software Publishers	Traded	Information Technology and Analytical Instruments	437	313	306	305	303	252	269	260
512110	Motion Picture and Video Production	Traded	Video Production and Distribution	823	784	255	259	269	283	267	265
512120	Motion Picture and Video Distribution	Traded	Video Production and Distribution	52	106	96	68	48	40	13	14
512131	Motion Picture Theaters (except Drive-Ins)	Local	Local Entertainment and Media	408	501	538	537	483	477	473	525
512132	Drive-In Motion Picture Theaters	Traded	Video Production and Distribution	4	4	4	4	4	4	4	4
	Teleproduction and Other Postproduction										
512191	Services	Traded	Video Production and Distribution	37	28	35	83	103	102	53	71
512199	Other Motion Picture and Video Industries	Traded	Video Production and Distribution	8	25	10	4	6	5	5	5
512210	Record Production	Traded	Music and Sound Recording	6	6	6	9	10	9	8	7
512220	Integrated Record Production/Distribution	Traded	Music and Sound Recording	6	5	5	5	6	6	8	11
512230	Music Publishers	Traded	Music and Sound Recording	11	13	13	11	14	15	14	12
512240	Sound Recording Studios	Traded	Music and Sound Recording	40	42	40	39	43	47	49	52
512290	Other Sound Recording Industries	Traded	Music and Sound Recording	13	12	10	7	9	8	8	7
515111	Radio Networks	Local	Local Entertainment and Media	2	2	22	41	70	19	28	24
515112	Radio Stations	Local	Local Entertainment and Media	293	322	348	335	362	298	306	279
515120	Television Broadcasting	Local	Local Entertainment and Media	45	59	100	81	18	5	54	5
515210	Cable and Other Subscription Programming	Traded	Communications Equipment and Services	12	8	2	2	5	7	1	14
517110	Wired Telecommunications Carriers	Local	Local Utilities	1,419	1,226	1,149	1,135	1,040	941	1,570	1,609
	Wireless Telecommunications Carriers (except										
517210	Satellite)	Traded	Communications Equipment and Services	275	349	209	145	196	251	250	289
517410	Satellite Telecommunications	Traded	Communications Equipment and Services	2,347	2,469	1,789	1,570	1,395	1,403	610	458
517911	Telecommunications Resellers	Local	Local Utilities	541	322	337	398	349	279	238	208
517919	All Other Telecommunications	Traded	Communications Equipment and Services	256	153	130	146	97	99	5	6
518210	Data Processing, Hosting, and Related Services	Traded	Business Services	224	251	275	193	199	278	320	266
519110	News Syndicates	Traded	Marketing, Design, and Publishing	15	7	7	10	7	12	14	11
519120	Libraries and Archives	Traded	Marketing, Design, and Publishing	340	358	353	353	340	348	358	354
	Internet Publishing and Broadcasting and Web										
519130	Search Portals	Traded	Marketing, Design, and Publishing	127	60	73	80	116	161	122	198
519190	All Other Information Services	Traded	Marketing, Design, and Publishing	35	48	66	75	62	68	65	17
521110	Monetary Authorities-Central Bank	Traded	Financial Services	0	0	0	0	0	0	0	1
522110	Commercial Banking	Local	Local Financial Services	1,009	1,090	1,182	1,238	1,311	1,412	1,613	1,709
522120	Savings Institutions	Traded	Financial Services	519	578	610	609	585	611	637	505
522130	Credit Unions	Local	Local Financial Services	160	185	216	211	205	158	76	197
522190	Other Depository Credit Intermediation	Traded	Financial Services	0	0	0	0	9	62	173	85
522210	Credit Card Issuing	Traded	Financial Services	126	27	47	6	32	0	0	2
522220	Sales Financing	Traded	Financial Services	30	80	80	128	128	152	134	68
522291	Consumer Lending	Traded	Financial Services	176	186	169	84	82	88	107	76

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
522292	Real Estate Credit	Traded	Financial Services	4,792	6,442	7,539	5,935	6,315	5,646	5,063	4,166
522293	International Trade Financing	Traded	Financial Services	0	0	0	0	0	0	0	2
522294	Secondary Market Financing	Traded	Financial Services	0	0	0	0	0	0	0	0
522298	All Other Nondepository Credit Intermediation	Traded	Financial Services	54	25	23	35	28	35	26	43
522310	Mortgage and Nonmortgage Loan Brokers	Traded	Financial Services	101	156	203	217	232	236	162	91
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities	Traded	Financial Services	48	61	662	554	692	649	579	412
522390	Other Activities Related to Credit Intermediation	Traded	Financial Services	185	169	156	195	200	193	184	133
523110	Investment Banking and Securities Dealing	Traded	Financial Services	323	285	256	235	245	261	300	310
523120	Securities Brokerage	Traded	Financial Services	280	279	265	264	279	252	241	222
523130	Commodity Contracts Dealing	Traded	Financial Services	1	1	1	1	1	0	3	4
523140	Commodity Contracts Brokerage	Traded	Financial Services	54	45	64	71	49	37	42	52
523210	Securities and Commodity Exchanges	Traded	Financial Services	2	2	2	2	4	1	3	4
523910	Miscellaneous Intermediation	Traded	Financial Services	29	33	44	40	39	44	34	35
523920	Portfolio Management	Traded	Financial Services	227	240	212	185	205	188	165	199
523930	Investment Advice	Traded	Financial Services	163	195	264	282	233	300	289	223
523991	Trust, Fiduciary, and Custody Activities	Traded	Financial Services	23	27	22	25	66	60	52	41
523999	Miscellaneous Financial Investment Activities	Traded	Financial Services	2	2	2	3	3	3	3	3
524113	Direct Life Insurance Carriers	Traded	Insurance Services	803	922	642	539	478	371	327	259
524114	Direct Health and Medical Insurance Carriers	Traded	Insurance Services	2,950	2,861	3,048	3,002	2,972	3,097	3,104	3,140
524126	Direct Property and Casualty Insurance Carriers	Traded	Insurance Services	1,526	1,506	1,355	1,279	1,243	1,230	1,083	1,039
524127	Direct Title Insurance Carriers	Traded	Insurance Services	387	262	278	288	285	300	274	176
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	Traded	Insurance Services	2	0	0	0	0	0	0	0
524130	Reinsurance Carriers	Traded	Insurance Services	0	0	0	0	6	11	7	7
524210	Insurance Agencies and Brokerages	Local	Local Financial Services	1,884	2,151	2,323	2,467	2,548	2,502	2,292	2,141
524291	Claims Adjusting	Traded	Insurance Services	128	105	106	106	106	102	102	97
524292	Third Party Administration of Insurance and Pension Funds	Local	Local Financial Services	159	173	175	233	510	414	347	278
524298	All Other Insurance Related Activities	Traded	Insurance Services	218	155	159	173	170	166	158	149
525910	Open-End Investment Funds	Traded	Financial Services	1	1	11	16	1	1	1	0
525990	Other Financial Vehicles	Traded	Financial Services	7	12	20	14	24	26	10	8
531110	Lessors of Residential Buildings and Dwellings	Local	Local Real Estate, Construction, and Development	711	689	733	591	569	571	545	554
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	Local	Local Real Estate, Construction, and Development	81	82	116	171	178	246	302	331
531130	Lessors of Miniwarehouses and Self-Storage Units	Local	Local Logistical Services	78	87	92	86	107	123	134	136
531190	Lessors of Other Real Estate Property	Local	Local Real Estate, Construction, and Development	160	160	170	173	193	199	201	199
531210	Offices of Real Estate Agents and Brokers	Local	Local Real Estate, Construction, and Development	1,841	1,827	1,939	1,962	2,018	1,975	1,717	1,381
531311	Residential Property Managers	Local	Local Real Estate, Construction, and Development	590	634	584	500	518	576	547	669
531312	Nonresidential Property Managers	Local	Local Real Estate, Construction, and Development	193	213	221	240	254	231	216	197

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
531320	Offices of Real Estate Appraisers	Local	Local Real Estate, Construction, and Development	123	109	110	110	113	175	478	538
531390	Other Activities Related to Real Estate	Local	Local Real Estate, Construction, and Development	491	451	473	616	697	753	722	545
532111	Passenger Car Rental	Local	Local Logistical Services	143	135	128	138	120	120	132	207
532112	Passenger Car Leasing	Traded	Business Services	2	2	4	11	5	8	12	24
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	Local	Local Logistical Services	82	82	89	93	100	99	103	90
532210	Consumer Electronics and Appliances Rental	Local	Local Industrial Products and Services	34	13	14	13	13	10	7	8
532220	Formal Wear and Costume Rental	Local	Local Personal Services (Non-Medical)	31	29	26	21	13	15	10	10
532230	Video Tape and Disc Rental	Local	Local Entertainment and Media	469	422	354	425	469	355	326	302
532291	Home Health Equipment Rental	Local	Local Health Services	20	21	29	31	25	28	31	40
532292	Recreational Goods Rental	Traded	Hospitality and Tourism	189	222	138	127	128	123	125	143
532299	All Other Consumer Goods Rental	Local	Local Personal Services (Non-Medical)	83	73	109	163	186	184	199	197
532310	General Rental Centers	Local	Local Industrial Products and Services	153	124	127	138	136	127	117	108
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	133	102	80	66	56	47	44	45
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	243	254	278	302	319	332	358	357
532420	Office Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	45	25	17	19	29	25	26	16
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	177	561	240	173	174	177	173	191
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	Traded	Business Services	31	32	39	42	39	25	13	12
541110	Offices of Lawyers	Local	Local Commercial Services	1,952	2,075	2,286	2,173	2,153	2,172	2,138	1,986
541191	Title Abstract and Settlement Offices	Local	Local Real Estate, Construction, and Development	51	115	123	96	126	113	302	169
541199	All Other Legal Services	Traded	Business Services	28	27	28	23	32	33	34	42
541211	Offices of Certified Public Accountants	Local	Local Commercial Services	560	763	552	531	547	564	555	546
541213	Tax Preparation Services	Local	Local Financial Services	466	461	268	341	342	383	401	388
541214	Payroll Services	Traded	Business Services	896	590	71	46	53	42	38	109
541219	Other Accounting Services	Local	Local Commercial Services	890	946	965	1,095	995	1,047	1,100	1,130
541310	Architectural Services	Traded	Business Services	300	307	340	348	361	396	382	364
541320	Landscape Architectural Services	Traded	Business Services	266	286	296	205	196	179	180	139
541330	Engineering Services	Traded	Business Services	2,702	2,168	2,483	3,335	4,708	4,581	3,935	3,956
541340	Drafting Services	Traded	Business Services	68	47	51	56	44	51	49	50
541350	Building Inspection Services	Local	Local Commercial Services	124	126	93	101	109	131	92	86
541360	Geophysical Surveying and Mapping Services Surveying and Mapping (except Geophysical)	Traded	Oil and Gas Production and Transportation	11	13	13	17	15	18	22	23
541370	Services	Local	Local Real Estate, Construction, and Development	128	125	81	80	87	90	101	106
541380	Testing Laboratories	Local	Local Commercial Services	286	287	251	327	331	315	331	341
541410	Interior Design Services	Traded	Marketing, Design, and Publishing	211	203	201	235	231	230	211	193
541420	Industrial Design Services	Traded	Marketing, Design, and Publishing	135	132	127	115	146	133	131	109
541430	Graphic Design Services	Traded	Marketing, Design, and Publishing	359	299	290	300	255	300	290	306
541490	Other Specialized Design Services	Traded	Marketing, Design, and Publishing	20	18	36	40	46	41	38	32

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
541511	Custom Computer Programming Services	Traded	Business Services	1,304	1,194	1,377	1,318	1,318	1,434	1,479	1,586
541512	Computer Systems Design Services	Traded	Business Services	945	971	972	991	963	1,144	1,171	1,128
541513	Computer Facilities Management Services	Traded	Business Services	76	60	90	133	138	66	81	151
541519	Other Computer Related Services	Traded	Business Services	420	262	228	198	173	173	132	110
541611	Administrative Management and General Management Consulting Services	Traded	Business Services	588	658	625	650	667	575	755	831
541612	Human Resources Consulting Services	Traded	Business Services	156	123	102	117	168	166	213	184
541613	Marketing Consulting Services	Traded	Marketing, Design, and Publishing	194	164	226	261	304	254	259	242
541614	Process, Physical Distribution, and Logistics Consulting Services	Traded	Business Services	95	93	111	165	202	191	207	192
541618	Other Management Consulting Services	Traded	Business Services	206	282	211	170	194	141	127	160
541620	Environmental Consulting Services	Local	Local Commercial Services	208	227	258	280	380	403	341	338
541690	Other Scientific and Technical Consulting Services	Traded	Business Services	281	331	394	503	923	1,119	1,249	1,285
541711	Research and Development in Biotechnology Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)	Traded	Education and Knowledge Creation	196	219	200	200	245	249	390	377
541712	Research and Development in the Social Sciences and Humanities	Traded	Education and Knowledge Creation	591	663	604	606	741	753	626	671
541720	Advertising Agencies	Traded	Marketing, Design, and Publishing	15	16	18	14	11	19	15	20
541810	Public Relations Agencies	Traded	Marketing, Design, and Publishing	201	190	177	195	194	206	262	272
541820	Media Buying Agencies	Traded	Marketing, Design, and Publishing	85	64	63	72	71	74	52	53
541830	Media Representatives	Traded	Marketing, Design, and Publishing	11	9	11	10	10	11	12	12
541840	Outdoor Advertising	Traded	Marketing, Design, and Publishing	55	61	70	63	54	73	59	57
541850	Direct Mail Advertising	Traded	Marketing, Design, and Publishing	11	10	20	26	28	25	25	26
541860	Advertising Material Distribution Services	Traded	Marketing, Design, and Publishing	69	65	76	55	44	24	30	37
541870	Other Services Related to Advertising	Traded	Marketing, Design, and Publishing	8	8	120	92	100	100	80	64
541890	Marketing Research and Public Opinion Polling	Traded	Marketing, Design, and Publishing	628	444	560	519	498	566	553	446
541910	Photography Studios, Portrait	Local	Local Personal Services (Non-Medical)	252	477	483	473	492	541	577	508
541921	Commercial Photography	Local	Local Commercial Services	224	212	214	221	231	277	281	271
541922	Translation and Interpretation Services	Traded	Business Services	69	59	57	61	53	58	48	50
541930	Veterinary Services	Traded	Business Services	171	198	230	227	232	237	173	131
541940	All Other Professional, Scientific, and Technical Services	Local	Local Personal Services (Non-Medical)	586	617	771	800	784	837	858	915
541990	Offices of Bank Holding Companies	Traded	Business Services	1,315	1,338	1,386	1,411	1,342	1,386	1,284	1,312
551111	Offices of Other Holding Companies	Traded	Business Services	0	0	194	95	113	66	1	0
551112	Corporate, Subsidiary, and Regional Managing Offices	Traded	Business Services	82	2	122	165	156	151	257	299
551114	Office Administrative Services	Traded	Business Services	3,339	3,343	3,624	5,468	4,947	4,547	4,234	4,051
561110	Facilities Support Services	Local	Local Commercial Services	1,016	1,146	1,181	1,291	1,308	1,124	1,217	1,391
561210	Employment Placement Agencies	Traded	Business Services	46	78	335	50	71	62	43	43
561311	Executive Search Services	Traded	Business Services	311	297	280	264	225	216	183	365
561312	Temporary Help Services	Traded	Business Services	57	45	37	43	62	61	206	51
561320	Professional Employer Organizations	Local	Local Commercial Services	7,735	7,511	6,433	7,273	7,553	8,921	6,482	5,728
561330		Traded	Business Services	952	1,032	473	414	326	359	1,838	1,871

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561410	Document Preparation Services	Local	Local Commercial Services	108	147	122	88	108	126	135	129
561421	Telephone Answering Services	Traded	Business Services	115	78	77	94	120	93	68	110
561422	Telemarketing Bureaus and Other Contact Centers	Traded	Business Services	113	145	50	73	113	104	85	185
561431	Private Mail Centers	Local	Local Commercial Services	72	77	78	80	63	81	131	126
561439	Other Business Service Centers (including Copy Shops)	Local	Local Commercial Services	272	249	257	288	309	365	390	362
561440	Collection Agencies	Local	Local Financial Services	275	334	408	330	423	354	334	428
561450	Credit Bureaus	Traded	Financial Services	33	30	19	48	48	34	34	30
561491	Repossession Services	Local	Local Commercial Services	28	48	40	97	140	110	105	116
561492	Court Reporting and Stenotype Services	Local	Local Commercial Services	112	113	110	123	107	107	83	79
561499	All Other Business Support Services	Traded	Distribution and Electronic Commerce	132	161	245	302	189	139	93	134
561510	Travel Agencies	Traded	Hospitality and Tourism	239	192	220	214	195	188	183	186
561520	Tour Operators	Traded	Hospitality and Tourism	320	176	167	509	317	258	257	263
561591	Convention and Visitors Bureaus	Traded	Hospitality and Tourism	71	54	58	45	54	56	60	60
561599	All Other Travel Arrangement and Reservation Services	Traded	Hospitality and Tourism	352	502	476	112	108	119	128	101
561611	Investigation Services	Local	Local Commercial Services	162	153	136	140	135	137	82	112
561612	Security Guards and Patrol Services	Local	Local Commercial Services	2,143	2,177	2,110	2,145	1,915	439	454	479
561613	Armored Car Services	Local	Local Commercial Services	20	19	19	2	1	2	16	12
561621	Security Systems Services (except Locksmiths)	Local	Local Commercial Services	333	264	311	413	362	407	423	419
561622	Locksmiths	Local	Local Commercial Services	39	37	40	39	37	35	36	42
561710	Exterminating and Pest Control Services	Local	Local Commercial Services	316	351	367	438	444	442	406	386
561720	Janitorial Services	Local	Local Commercial Services	1,874	1,890	1,990	1,866	1,857	1,717	1,689	1,744
561730	Landscaping Services	Local	Local Household Goods and Services	2,984	2,972	3,016	3,224	3,229	3,411	3,458	3,172
561740	Carpet and Upholstery Cleaning Services	Local	Local Household Goods and Services	273	258	227	191	187	216	154	149
561790	Other Services to Buildings and Dwellings	Local	Local Commercial Services	386	432	450	468	465	506	541	577
561910	Packaging and Labeling Services	Traded	Distribution and Electronic Commerce	60	48	70	58	51	96	108	116
561920	Convention and Trade Show Organizers	Traded	Business Services	38	50	62	52	52	40	38	37
561990	All Other Support Services	Local	Local Commercial Services	265	286	288	304	291	297	258	242
562111	Solid Waste Collection	Local	Local Logistical Services	195	186	384	387	392	390	327	363
562112	Hazardous Waste Collection	Traded	Environmental Services	10	10	6	14	15	14	10	8
562119	Other Waste Collection	Traded	Environmental Services	6	6	1	3	1	1	14	6
562211	Hazardous Waste Treatment and Disposal	Traded	Environmental Services	145	112	20	2	10	7	15	42
562212	Solid Waste Landfill	Local	Local Utilities	81	96	1	126	121	102	244	119
562213	Solid Waste Combustors and Incinerators	Traded	Environmental Services	0	0	0	0	9	43	29	105
562219	Other Nonhazardous Waste Treatment and Disposal	Traded	Environmental Services	0	0	121	13	41	46	31	56
562910	Remediation Services	Local	Local Utilities	116	115	65	55	115	79	72	71
562920	Materials Recovery Facilities	Traded	Environmental Services	1	1	1	1	1	0	1	1
562991	Septic Tank and Related Services	Local	Local Real Estate, Construction, and Development	105	102	84	135	125	62	59	66
562998	All Other Miscellaneous Waste Management Services	Traded	Environmental Services	23	11	5	14	23	17	19	27
611110	Elementary and Secondary Schools	Local	Local Education and Training	18,435	19,137	19,698	19,387	19,433	19,044	19,555	19,102
611210	Junior Colleges	Traded	Education and Knowledge Creation	2,625	2,651	2,518	2,304	2,241	2,174	2,162	1,955

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611310	Colleges, Universities, and Professional Schools	Traded	Education and Knowledge Creation	767	846	1,095	1,224	1,131	1,168	1,264	1,361
611410	Business and Secretarial Schools	Traded	Education and Knowledge Creation	12	2	7	3	4	2	3	2
611420	Computer Training	Traded	Education and Knowledge Creation	108	97	69	80	70	70	33	44
	Professional and Management Development										
611430	Training	Traded	Education and Knowledge Creation	67	72	76	76	89	119	102	118
611511	Cosmetology and Barber Schools	Local	Local Personal Services (Non-Medical)	27	26	31	27	30	32	31	30
611512	Flight Training	Traded	Education and Knowledge Creation	26	36	29	22	29	32	32	35
611513	Apprenticeship Training	Traded	Education and Knowledge Creation	18	15	22	25	35	34	32	49
611519	Other Technical and Trade Schools	Local	Local Education and Training	103	136	144	139	139	126	134	136
611610	Fine Arts Schools	Local	Local Education and Training	212	200	191	183	178	252	280	279
611620	Sports and Recreation Instruction	Local	Local Hospitality Establishments	180	190	210	213	273	269	315	343
611630	Language Schools	Traded	Education and Knowledge Creation	13	10	10	11	10	20	27	30
611691	Exam Preparation and Tutoring	Traded	Education and Knowledge Creation	148	150	162	177	162	193	210	242
611692	Automobile Driving Schools	Local	Local Education and Training	46	38	70	70	73	76	69	66
611699	All Other Miscellaneous Schools and Instruction	Traded	Education and Knowledge Creation	82	88	113	112	123	129	121	119
611710	Educational Support Services	Traded	Education and Knowledge Creation	99	125	139	196	205	294	279	349
	Offices of Physicians (except Mental Health										
621111	Specialists)	Local	Local Health Services	4,104	4,409	4,700	4,859	5,172	5,315	5,241	5,540
621112	Offices of Physicians, Mental Health Specialists	Local	Local Health Services	86	86	96	96	112	119	127	182
621210	Offices of Dentists	Local	Local Health Services	2,224	2,336	2,528	2,469	2,558	2,693	2,728	2,673
621310	Offices of Chiropractors	Local	Local Health Services	384	438	452	439	396	379	355	363
621320	Offices of Optometrists	Local	Local Health Services	293	306	304	300	306	317	316	331
	Offices of Mental Health Practitioners (except										
621330	Physicians)	Local	Local Health Services	347	372	404	408	227	256	263	255
	Offices of Physical, Occupational and Speech										
621340	Therapists, and Audiologists	Local	Local Health Services	675	753	822	796	809	817	865	958
621391	Offices of Podiatrists	Local	Local Health Services	53	55	57	57	61	59	60	60
	Offices of All Other Miscellaneous Health										
621399	Practitioners	Local	Local Health Services	227	237	254	249	262	301	355	295
621410	Family Planning Centers	Local	Local Health Services	34	34	39	35	49	60	78	56
	Outpatient Mental Health and Substance Abuse										
621420	Centers	Local	Local Health Services	47	49	52	5	50	83	117	97
621491	HMO Medical Centers	Local	Local Health Services	1	1	1	1	1	0	8	7
621492	Kidney Dialysis Centers	Local	Local Health Services	138	148	233	220	234	245	265	261
	Freestanding Ambulatory Surgical and Emergency										
621493	Centers	Local	Local Health Services	137	140	129	186	160	152	210	206
621498	All Other Outpatient Care Centers	Local	Local Health Services	86	86	88	89	125	124	144	136
621511	Medical Laboratories	Local	Local Health Services	367	373	362	244	217	229	242	191
621512	Diagnostic Imaging Centers	Local	Local Health Services	44	44	43	50	162	188	183	183
621610	Home Health Care Services	Local	Local Health Services	1,069	1,093	1,287	1,307	1,475	1,650	1,849	2,019
621910	Ambulance Services	Local	Local Logistical Services	118	132	139	197	275	264	247	275
621991	Blood and Organ Banks	Local	Local Health Services	45	46	44	79	123	114	90	98
	All Other Miscellaneous Ambulatory Health Care										
621999	Services	Local	Local Health Services	66	67	67	71	62	64	64	73

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
622110	General Medical and Surgical Hospitals	Local	Local Health Services	6,633	6,670	6,943	6,980	7,008	6,890	7,260	7,743
622210	Psychiatric and Substance Abuse Hospitals	Local	Local Health Services	294	240	260	305	311	280	289	257
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	Local	Local Health Services	9	8	9	11	7	7	8	1
623110	Nursing Care Facilities (Skilled Nursing Facilities)	Local	Local Health Services	1,523	1,346	1,370	1,315	1,387	1,371	1,509	1,579
623210	Residential Intellectual and Developmental Disability Facilities	Local	Local Health Services	416	453	443	371	302	370	340	403
623220	Residential Mental Health and Substance Abuse Facilities	Local	Local Health Services	293	302	249	239	215	236	215	227
623311	Continuing Care Retirement Communities	Local	Local Health Services	165	192	217	245	184	437	439	393
623312	Assisted Living Facilities for the Elderly	Local	Local Health Services	545	563	594	654	734	684	673	845
623990	Other Residential Care Facilities	Local	Local Health Services	185	204	107	158	117	123	119	120
624110	Child and Youth Services	Local	Local Community and Civic Organizations	230	246	297	251	186	177	203	259
624120	Services for the Elderly and Persons with Disabilities	Local	Local Community and Civic Organizations	499	585	702	521	621	586	704	677
624190	Other Individual and Family Services	Local	Local Community and Civic Organizations	298	315	306	349	295	290	320	486
624210	Community Food Services	Local	Local Community and Civic Organizations	159	156	122	149	160	168	147	175
624221	Temporary Shelters	Local	Local Community and Civic Organizations	240	256	300	330	373	374	406	450
624229	Other Community Housing Services	Local	Local Community and Civic Organizations	42	46	59	57	61	58	59	64
624230	Emergency and Other Relief Services	Local	Local Community and Civic Organizations	32	50	59	67	54	53	41	52
624310	Vocational Rehabilitation Services	Local	Local Education and Training	635	670	608	525	580	671	689	714
624410	Child Day Care Services	Local	Local Personal Services (Non-Medical)	2,358	2,305	2,378	2,403	2,268	2,277	2,435	2,430
711110	Theater Companies and Dinner Theaters	Traded	Performing Arts	75	84	66	84	65	69	77	90
711120	Dance Companies	Traded	Performing Arts	2	2	3	2	2	2	3	4
711130	Musical Groups and Artists	Traded	Performing Arts	121	122	118	178	142	101	117	140
711190	Other Performing Arts Companies	Traded	Performing Arts	11	11	11	7	3	9	3	3
711211	Sports Teams and Clubs	Traded	Hospitality and Tourism	10	9	9	9	8	8	10	13
711212	Racetracks	Traded	Hospitality and Tourism	34	73	52	62	52	53	57	53
711219	Other Spectator Sports	Traded	Hospitality and Tourism	116	82	98	110	90	85	117	138
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	Traded	Performing Arts	61	100	46	33	46	32	36	48
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	Traded	Performing Arts	34	33	54	51	52	57	42	56
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	Traded	Performing Arts	68	67	67	69	80	84	77	67
711510	Independent Artists, Writers, and Performers	Traded	Performing Arts	916	905	979	1,003	1,000	1,087	1,128	1,105
712110	Museums	Traded	Hospitality and Tourism	48	43	47	46	45	45	48	43
712120	Historical Sites	Traded	Hospitality and Tourism	1	6	3	3	10	19	25	24
712130	Zoos and Botanical Gardens	Traded	Hospitality and Tourism	0	0	0	0	0	0	1	3
712190	Nature Parks and Other Similar Institutions	Traded	Hospitality and Tourism	130	146	151	143	137	170	166	169
713110	Amusement and Theme Parks	Traded	Hospitality and Tourism	1	1	1	0	18	28	7	10
713120	Amusement Arcades	Traded	Hospitality and Tourism	26	28	33	41	67	63	52	47
713210	Casinos (except Casino Hotels)	Traded	Hospitality and Tourism	20	15	17	41	34	31	42	36
713290	Other Gambling Industries	Traded	Hospitality and Tourism	2	2	2	2	2	2	2	2
713910	Golf Courses and Country Clubs	Local	Local Hospitality Establishments	1,471	1,344	1,342	1,179	1,229	1,219	1,202	1,339

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
713920	Skiing Facilities	Traded	Hospitality and Tourism	0	0	0	0	0	0	0	0
713930	Marinas	Traded	Hospitality and Tourism	67	77	70	74	67	65	92	92
713940	Fitness and Recreational Sports Centers	Local	Local Hospitality Establishments	1,724	1,869	2,250	2,502	2,550	2,748	2,761	2,558
713950	Bowling Centers	Local	Local Hospitality Establishments	233	272	239	231	220	213	203	203
713990	All Other Amusement and Recreation Industries	Traded	Hospitality and Tourism	664	765	959	977	869	1,038	1,337	1,236
721110	Hotels (except Casino Hotels) and Motels	Traded	Hospitality and Tourism	2,780	2,361	2,320	2,143	2,543	2,657	2,873	2,954
721120	Casino Hotels	Traded	Hospitality and Tourism	0	0	0	0	0	0	0	0
721191	Bed-and-Breakfast Inns	Traded	Hospitality and Tourism	160	170	159	116	90	31	29	26
721199	All Other Traveler Accommodation	Traded	Hospitality and Tourism	1	1	1	1	1	1	1	2
721211	RV (Recreational Vehicle) Parks and Campgrounds	Traded	Hospitality and Tourism	20	27	18	16	14	15	12	20
721214	Recreational and Vacation Camps (except Campgrounds)	Traded	Hospitality and Tourism	21	8	11	9	10	11	13	9
721310	Rooming and Boarding Houses	Traded	Hospitality and Tourism	37	30	30	25	28	28	25	26
722310	Food Service Contractors	Local	Local Hospitality Establishments	260	289	465	480	470	496	474	437
722320	Caterers	Local	Local Hospitality Establishments	382	389	378	387	405	478	497	454
722330	Mobile Food Services	Local	Local Food and Beverage Processing and Distribution	34	34	35	30	29	28	29	25
722410	Drinking Places (Alcoholic Beverages)	Local	Local Hospitality Establishments	354	336	333	321	289	278	263	215
722511	Full-Service Restaurants	Local	Local Hospitality Establishments	8,995	9,779	10,212	10,402	10,394	10,770	11,579	11,751
722513	Limited-Service Restaurants	Local	Local Hospitality Establishments	9,345	10,228	9,091	9,645	9,578	9,595	9,507	9,350
722514	Cafeterias, Grill Buffets, and Buffets	Local	Local Hospitality Establishments	249	251	241	249	237	242	261	232
722515	Snack and Nonalcoholic Beverage Bars	Local	Local Hospitality Establishments	850	883	951	1,022	1,190	1,434	1,775	1,729
811111	General Automotive Repair	Local	Local Motor Vehicle Products and Services	850	848	824	883	828	824	876	836
811112	Automotive Exhaust System Repair	Local	Local Motor Vehicle Products and Services	45	44	42	41	31	26	25	29
811113	Automotive Transmission Repair	Local	Local Motor Vehicle Products and Services	85	82	72	75	75	71	70	67
811118	Other Automotive Mechanical and Electrical Repair and Maintenance	Local	Local Motor Vehicle Products and Services	128	126	126	108	125	133	86	75
811121	Automotive Body, Paint, and Interior Repair and Maintenance	Local	Local Motor Vehicle Products and Services	605	666	667	651	667	678	725	693
811122	Automotive Glass Replacement Shops	Local	Local Motor Vehicle Products and Services	52	44	42	39	39	39	38	41
811191	Automotive Oil Change and Lubrication Shops	Local	Local Motor Vehicle Products and Services	167	195	197	188	174	179	200	202
811192	Car Washes	Local	Local Motor Vehicle Products and Services	523	535	563	522	594	511	500	560
811198	All Other Automotive Repair and Maintenance	Local	Local Motor Vehicle Products and Services	222	231	251	234	224	212	216	204
811211	Consumer Electronics Repair and Maintenance	Local	Local Household Goods and Services	26	109	106	63	41	19	17	15
811212	Computer and Office Machine Repair and Maintenance	Local	Local Commercial Services	430	451	813	792	807	731	568	565
811213	Communication Equipment Repair and Maintenance	Local	Local Household Goods and Services	10	20	25	30	38	54	59	23
811219	Other Electronic and Precision Equipment Repair and Maintenance	Local	Local Industrial Products and Services	106	97	94	82	74	79	85	94
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Local	Local Commercial Services	308	319	292	345	381	322	304	311

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
	Home and Garden Equipment Repair and Maintenance										
811411	Maintenance	Local	Local Commercial Services	43	57	26	27	31	27	28	20
811412	Appliance Repair and Maintenance	Local	Local Commercial Services	78	65	69	72	72	77	67	53
811420	Reupholstery and Furniture Repair	Local	Local Household Goods and Services	34	35	45	53	47	42	52	48
811430	Footwear and Leather Goods Repair	Local	Local Personal Services (Non-Medical)	11	11	9	10	10	11	8	6
	Other Personal and Household Goods Repair and Maintenance										
811490	Maintenance	Local	Local Personal Services (Non-Medical)	372	367	380	389	398	397	366	341
812111	Barber Shops	Local	Local Personal Services (Non-Medical)	58	57	60	61	59	55	47	47
812112	Beauty Salons	Local	Local Personal Services (Non-Medical)	1,307	1,375	1,338	1,368	1,310	1,254	1,224	1,259
812113	Nail Salons	Local	Local Personal Services (Non-Medical)	176	179	203	206	226	260	265	261
812191	Diet and Weight Reducing Centers	Local	Local Personal Services (Non-Medical)	125	134	132	147	148	152	156	157
812199	Other Personal Care Services	Local	Local Personal Services (Non-Medical)	219	219	221	258	307	344	308	339
812210	Funeral Homes and Funeral Services	Local	Local Health Services	124	159	166	158	116	116	129	126
812220	Cemeteries and Crematories	Local	Local Health Services	38	48	57	53	50	55	46	44
812310	Coin-Operated Laundries and Drycleaners	Local	Local Personal Services (Non-Medical)	81	86	85	85	72	71	81	100
	Drycleaning and Laundry Services (except Coin-Operated)										
812320	Operated)	Local	Local Commercial Services	375	354	337	347	359	344	332	316
812331	Linen Supply	Local	Local Commercial Services	191	219	207	195	203	238	183	143
812332	Industrial Launderers	Local	Local Commercial Services	78	84	84	80	83	86	78	67
812910	Pet Care (except Veterinary) Services	Local	Local Personal Services (Non-Medical)	143	153	163	170	161	174	174	182
812921	Photofinishing Laboratories (except One-Hour)	Local	Local Personal Services (Non-Medical)	87	71	65	61	45	36	26	25
812922	One-Hour Photofinishing	Local	Local Personal Services (Non-Medical)	26	24	16	15	13	10	8	6
812930	Parking Lots and Garages	Local	Local Motor Vehicle Products and Services	27	21	14	13	39	46	47	53
812990	All Other Personal Services	Local	Local Personal Services (Non-Medical)	1,092	1,102	1,160	1,138	1,097	1,096	1,033	1,031
813110	Religious Organizations	Local	Local Community and Civic Organizations	2,834	3,019	3,090	3,204	3,165	3,107	3,037	2,970
813211	Grantmaking Foundations	Local	Local Community and Civic Organizations	77	112	123	127	88	139	139	134
813212	Voluntary Health Organizations	Local	Local Community and Civic Organizations	15	15	38	40	36	36	27	30
813219	Other Grantmaking and Giving Services	Local	Local Community and Civic Organizations	160	142	170	154	169	166	172	117
813311	Human Rights Organizations	Local	Local Community and Civic Organizations	163	173	173	190	203	198	206	209
	Environment, Conservation and Wildlife Organizations										
813312	Organizations	Local	Local Community and Civic Organizations	48	40	40	33	32	31	45	56
813319	Other Social Advocacy Organizations	Local	Local Community and Civic Organizations	79	202	191	201	179	159	116	95
813410	Civic and Social Organizations	Local	Local Community and Civic Organizations	814	850	755	716	723	756	836	991
813910	Business Associations	Local	Local Community and Civic Organizations	105	98	98	102	104	108	104	116
813920	Professional Organizations	Traded	Education and Knowledge Creation	43	34	30	31	26	27	37	48
813930	Labor Unions and Similar Labor Organizations	Local	Local Community and Civic Organizations	145	154	162	151	155	171	175	162
813940	Political Organizations	Local	Local Community and Civic Organizations	6	9	6	7	7	8	15	19
	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)										
813990	Professional, Labor, and Political Organizations)	Local	Local Community and Civic Organizations	213	205	223	238	242	277	286	288
<i>Total Cluster Employment</i>				<i>290,983</i>	<i>293,315</i>	<i>296,812</i>	<i>302,201</i>	<i>308,604</i>	<i>312,481</i>	<i>311,883</i>	<i>304,450</i>
<u><i>Non-Cluster NAICS Employment</i></u>											
111-112	Agriculture			12,090	12,756	13,564	14,869	16,385	16,898	17,731	18,407

NAICS 2012	Industry Description	Cluster Type	Cluster	2001	2002	2003	2004	2005	2006	2007	2008
814-999	Private HHs/Gov't/Unclassified			18,188	18,303	18,683	17,560	16,643	16,627	16,800	18,531
482110	Rail Transportation (non-covered)			84	70	72	77	73	64	65	63
482111	Line-Haul Railroads			0	0	0	0	0	0	0	0
482112	Short Line Railroads			0	0	0	0	0	0	0	0
491110	Postal Service			1,423	1,386	1,339	1,327	1,335	1,358	1,354	1,329
525110	Pension Funds			6	10	22	30	31	36	38	36
525120	Health and Welfare Funds			0	0	0	0	0	0	0	8
525190	Other Insurance Funds			0	0	0	0	0	0	0	0
525920	Trusts, Estates, and Agency Accounts			14	11	6	4	16	21	6	3
541120	Offices of Notaries			0	0	0	0	0	0	0	0
<i>Total Non-Cluster Employment</i>				<i>31,803</i>	<i>32,537</i>	<i>33,686</i>	<i>33,868</i>	<i>34,483</i>	<i>35,005</i>	<i>35,994</i>	<i>38,377</i>
Total Employment				322,786	325,852	330,498	336,069	343,087	347,486	347,877	342,827

Notes: NAICS = North American Industrial Classification System.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
113110	Timber Tract Operations	Traded	Forestry	0	1	1	1	1	1	1
113210	Forest Nurseries and Gathering of Forest Products	Traded	Forestry	54	77	59	40	24	7	12
113310	Logging	Traded	Forestry	12	12	11	11	9	10	10
114111	Finfish Fishing	Traded	Fishing and Fishing Products	45	38	42	42	45	37	38
114112	Shellfish Fishing	Traded	Fishing and Fishing Products	31	25	29	25	32	28	32
114119	Other Marine Fishing	Traded	Fishing and Fishing Products	1	1	1	1	1	2	2
114210	Hunting and Trapping	Traded	Hospitality and Tourism	2	2	3	4	4	4	5
115111	Cotton Ginning	Traded	Agricultural Inputs and Services	2	2	2	2	2	2	2
115112	Soil Preparation, Planting, and Cultivating	Traded	Agricultural Inputs and Services	444	332	322	290	311	373	360
115113	Crop Harvesting, Primarily by Machine	Traded	Agricultural Inputs and Services	215	5	5	34	61	8	9
115114	Postharvest Crop Activities (except Cotton Ginning)	Traded	Agricultural Inputs and Services	1,017	1,167	1,047	1,154	1,332	1,437	1,464
115115	Farm Labor Contractors and Crew Leaders	Traded	Agricultural Inputs and Services	4,629	5,886	5,478	5,839	5,307	4,545	4,414
115116	Farm Management Services	Traded	Agricultural Inputs and Services	502	217	214	211	182	181	167
115210	Support Activities for Animal Production	Traded	Agricultural Inputs and Services	150	149	170	175	169	174	175
115310	Support Activities for Forestry	Traded	Forestry	9	8	11	10	9	9	8
211111	Crude Petroleum and Natural Gas Extraction	Traded	Oil and Gas Production and Transportation	530	515	524	568	543	539	556
211112	Natural Gas Liquid Extraction	Traded	Oil and Gas Production and Transportation	1	1	1	1	1	1	1
212111	Bituminous Coal and Lignite Surface Mining	Traded	Coal Mining	0	0	0	0	0	0	0
212112	Bituminous Coal Underground Mining	Traded	Coal Mining	0	0	0	0	0	0	0
212113	Anthracite Mining	Traded	Coal Mining	0	0	0	0	0	0	0
212210	Iron Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212221	Gold Ore Mining	Traded	Metal Mining	1	10	26	14	21	14	2
212222	Silver Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212231	Lead Ore and Zinc Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212234	Copper Ore and Nickel Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212291	Uranium-Radium-Vanadium Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212299	All Other Metal Ore Mining	Traded	Metal Mining	0	0	0	0	0	0	0
212311	Dimension Stone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	8	1
212312	Crushed and Broken Limestone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212313	Crushed and Broken Granite Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212319	Other Crushed and Broken Stone Mining and Quarrying	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212321	Construction Sand and Gravel Mining	Traded	Nonmetal Mining	166	148	157	151	148	145	148
212322	Industrial Sand Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212324	Kaolin and Ball Clay Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212325	Clay and Ceramic and Refractory Minerals Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
212391	Potash, Soda, and Borate Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212392	Phosphate Rock Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212393	Other Chemical and Fertilizer Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
212399	All Other Nonmetallic Mineral Mining	Traded	Nonmetal Mining	0	0	0	0	1	1	0
213111	Drilling Oil and Gas Wells	Traded	Oil and Gas Production and Transportation	182	224	252	284	230	256	94
213112	Support Activities for Oil and Gas Operations	Traded	Oil and Gas Production and Transportation	372	317	311	270	285	364	246
213113	Support Activities for Coal Mining	Traded	Coal Mining	0	0	0	0	0	0	0
213114	Support Activities for Metal Mining	Traded	Metal Mining	0	1	0	0	0	0	0
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	Traded	Nonmetal Mining	0	0	0	0	0	0	0
221111	Hydroelectric Power Generation	Traded	Electric Power Generation and Transmission	16	13	28	36	41	21	31
221112	Fossil Fuel Electric Power Generation	Traded	Electric Power Generation and Transmission	440	482	450	538	522	517	514
221113	Nuclear Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	0	0	0	0	0
221114	Solar Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	0	0	0	0	0
221115	Wind Electric Power Generation	Traded	Electric Power Generation and Transmission	0	1	0	0	0	0	0
221116	Geothermal Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	0	0	0	0	0
221117	Biomass Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	0	0	0	0	0
221118	Other Electric Power Generation	Traded	Electric Power Generation and Transmission	0	0	28	1	6	1	0
221121	Electric Bulk Power Transmission and Control	Traded	Electric Power Generation and Transmission	3	129	24	0	0	0	0
221122	Electric Power Distribution	Local	Local Utilities	4	4	240	199	121	89	80
221210	Natural Gas Distribution	Local	Local Utilities	440	288	224	222	277	284	249
221310	Water Supply and Irrigation Systems	Traded	Construction Products and Services	673	669	680	673	678	696	747
221320	Sewage Treatment Facilities	Local	Local Utilities	187	195	154	143	143	168	157
221330	Steam and Air-Conditioning Supply	Traded	Construction Products and Services	0	0	0	21	4	5	2
236115	New Single-Family Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	1,222	1,019	995	1,053	1,142	1,268	1,165
236116	New Multifamily Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	174	171	156	138	116	136	136
236117	New Housing For-Sale Builders	Local	Local Real Estate, Construction, and Development	83	79	74	66	63	54	52
236118	Residential Remodelers	Local	Local Real Estate, Construction, and Development	1,306	1,328	1,365	1,601	1,781	1,898	1,821
236210	Industrial Building Construction	Traded	Construction Products and Services	63	42	40	22	26	54	70
236220	Commercial and Institutional Building Construction	Local	Local Real Estate, Construction, and Development	961	737	777	797	861	955	929
237110	Water and Sewer Line and Related Structures Construction	Local	Local Real Estate, Construction, and Development	510	336	312	321	314	322	381
237120	Oil and Gas Pipeline and Related Structures Construction	Traded	Construction Products and Services	58	21	36	29	12	20	67
237130	Power and Communication Line and Related Structures Construction	Traded	Construction Products and Services	107	73	70	74	72	70	224
237210	Land Subdivision	Local	Local Real Estate, Construction, and Development	56	43	24	22	19	19	13
237310	Highway, Street, and Bridge Construction	Local	Local Real Estate, Construction, and Development	512	580	541	577	599	685	641
237990	Other Heavy and Civil Engineering Construction	Traded	Construction Products and Services	318	207	220	251	261	255	248

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Poured Concrete Foundation and Structure									
238110	Contractors	Local	Local Real Estate, Construction, and Development	751	583	613	588	623	806	765
238120	Structural Steel and Precast Concrete Contractors	Local	Local Real Estate, Construction, and Development	132	114	106	96	107	121	120
238130	Framing Contractors	Local	Local Real Estate, Construction, and Development	669	389	404	411	416	470	518
238140	Masonry Contractors	Local	Local Real Estate, Construction, and Development	410	355	299	292	308	321	357
238150	Glass and Glazing Contractors	Local	Local Real Estate, Construction, and Development	158	160	154	146	150	155	114
238160	Roofing Contractors	Local	Local Real Estate, Construction, and Development	444	424	457	416	380	407	400
238170	Siding Contractors	Local	Local Real Estate, Construction, and Development	88	87	86	51	51	50	54
	Other Foundation, Structure, and Building Exterior									
238190	Contractors	Local	Local Real Estate, Construction, and Development	117	117	104	80	83	78	79
	Electrical Contractors and Other Wiring									
238210	Installation Contractors	Local	Local Real Estate, Construction, and Development	1,608	1,511	1,593	1,724	1,689	1,745	1,893
	Plumbing, Heating, and Air-Conditioning									
238220	Contractors	Local	Local Real Estate, Construction, and Development	1,726	1,600	1,676	1,630	1,735	1,940	2,231
238290	Other Building Equipment Contractors	Local	Local Real Estate, Construction, and Development	50	90	91	90	97	100	112
238310	Drywall and Insulation Contractors	Local	Local Real Estate, Construction, and Development	903	621	522	543	575	558	640
238320	Painting and Wall Covering Contractors	Local	Local Real Estate, Construction, and Development	761	694	698	716	773	785	711
238330	Flooring Contractors	Local	Local Real Estate, Construction, and Development	260	226	207	197	178	188	192
238340	Tile and Terrazzo Contractors	Local	Local Real Estate, Construction, and Development	297	282	265	251	224	217	259
238350	Finish Carpentry Contractors	Local	Local Real Estate, Construction, and Development	562	470	456	468	457	493	511
238390	Other Building Finishing Contractors	Local	Local Real Estate, Construction, and Development	194	172	116	109	145	174	164
238910	Site Preparation Contractors	Local	Local Real Estate, Construction, and Development	1,334	1,296	1,295	1,371	1,366	1,439	1,368
238990	All Other Specialty Trade Contractors	Local	Local Real Estate, Construction, and Development	1,201	1,153	1,121	1,154	1,222	1,243	1,266
311111	Dog and Cat Food Manufacturing	Traded	Food Processing and Manufacturing	18	15	35	17	19	17	8
311119	Other Animal Food Manufacturing	Traded	Food Processing and Manufacturing	1	2	3	2	3	2	2
311211	Flour Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311212	Rice Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311213	Malt Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	0	0	0	0
311221	Wet Corn Milling	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311224	Soybean and Other Oilseed Processing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	8
311225	Fats and Oils Refining and Blending	Traded	Food Processing and Manufacturing	1	25	26	55	46	21	42
311230	Breakfast Cereal Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311313	Beet Sugar Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311314	Cane Sugar Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	0	0	0
311340	Nonchocolate Confectionery Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	1	2	13
	Chocolate and Confectionery Manufacturing from									
311351	Cacao Beans	Traded	Food Processing and Manufacturing	0	0	0	1	0	1	1
	Confectionery Manufacturing from Purchased									
311352	Chocolate	Traded	Food Processing and Manufacturing	4	6	9	6	4	9	12
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	Traded	Food Processing and Manufacturing	143	152	157	131	128	105	100
311412	Frozen Specialty Food Manufacturing	Traded	Food Processing and Manufacturing	2	2	2	2	1	2	24
311421	Fruit and Vegetable Canning	Traded	Food Processing and Manufacturing	207	221	220	221	210	195	191
311422	Specialty Canning	Traded	Food Processing and Manufacturing	28	42	67	1	1	1	1
311423	Dried and Dehydrated Food Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	0	1	1
311511	Fluid Milk Manufacturing	Traded	Food Processing and Manufacturing	77	76	0	3	1	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
311512	Creamery Butter Manufacturing	Traded	Food Processing and Manufacturing	0	0	6	4	3	4	0
311513	Cheese Manufacturing	Traded	Food Processing and Manufacturing	1	1	1	1	1	1	1
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	Traded	Food Processing and Manufacturing	41	43	73	64	55	84	72
311520	Ice Cream and Frozen Dessert Manufacturing	Traded	Food Processing and Manufacturing	28	17	1	1	1	1	1
311611	Animal (except Poultry) Slaughtering	Traded	Livestock Processing	2	3	3	2	2	3	3
311612	Meat Processed from Carcasses	Traded	Livestock Processing	21	2	2	2	1	2	2
311613	Rendering and Meat Byproduct Processing	Traded	Livestock Processing	0	0	0	0	0	0	0
311615	Poultry Processing	Traded	Livestock Processing	0	0	1	18	25	22	10
311710	Seafood Product Preparation and Packaging	Traded	Fishing and Fishing Products	15	22	18	22	22	21	22
311811	Retail Bakeries	Local	Local Food and Beverage Processing and Distribution	126	127	131	141	166	203	270
311812	Commercial Bakeries	Local	Local Food and Beverage Processing and Distribution	130	134	138	124	74	100	87
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	0	14	2	1
311821	Cookie and Cracker Manufacturing	Traded	Food Processing and Manufacturing	30	3	1	7	3	1	1
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	Traded	Food Processing and Manufacturing	1	1	1	1	1	1	1
311830	Tortilla Manufacturing	Traded	Food Processing and Manufacturing	24	44	40	5	1	1	1
311911	Roasted Nuts and Peanut Butter Manufacturing	Traded	Food Processing and Manufacturing	15	1	9	2	2	1	1
311919	Other Snack Food Manufacturing	Traded	Food Processing and Manufacturing	2	2	3	3	3	3	3
311920	Coffee and Tea Manufacturing	Traded	Food Processing and Manufacturing	4	4	5	7	7	7	7
311930	Flavoring Syrup and Concentrate Manufacturing	Traded	Food Processing and Manufacturing	1	1	18	1	1	2	2
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	Traded	Food Processing and Manufacturing	2	2	3	4	4	3	3
311942	Spice and Extract Manufacturing	Traded	Food Processing and Manufacturing	2	2	3	6	5	8	7
311991	Perishable Prepared Food Manufacturing	Traded	Food Processing and Manufacturing	442	232	191	177	200	216	250
311999	All Other Miscellaneous Food Manufacturing	Traded	Food Processing and Manufacturing	28	22	50	60	18	18	8
312111	Soft Drink Manufacturing	Traded	Food Processing and Manufacturing	153	133	131	151	143	165	134
312112	Bottled Water Manufacturing	Traded	Food Processing and Manufacturing	0	0	0	1	0	0	0
312113	Ice Manufacturing	Traded	Food Processing and Manufacturing	7	10	9	2	2	2	2
312120	Breweries	Traded	Food Processing and Manufacturing	1	1	1	2	3	24	25
312130	Wineries	Traded	Food Processing and Manufacturing	77	86	86	145	164	190	188
312140	Distilleries	Traded	Food Processing and Manufacturing	0	0	0	1	1	1	6
312230	Tobacco Manufacturing	Traded	Tobacco	0	0	0	0	0	0	0
313110	Fiber, Yarn, and Thread Mills	Traded	Textile Manufacturing	0	0	0	8	2	1	2
313210	Broadwoven Fabric Mills	Traded	Textile Manufacturing	1	1	0	1	1	1	1
313220	Narrow Fabric Mills and Schiffli Machine Embroidery	Traded	Textile Manufacturing	0	0	0	0	0	1	1
313230	Nonwoven Fabric Mills	Traded	Textile Manufacturing	0	0	0	0	0	0	0
313240	Knit Fabric Mills	Traded	Textile Manufacturing	0	0	0	0	0	0	0
313310	Textile and Fabric Finishing Mills	Traded	Textile Manufacturing	2	2	2	3	2	3	4
313320	Fabric Coating Mills	Traded	Textile Manufacturing	23	18	20	15	12	7	0
314110	Carpet and Rug Mills	Traded	Textile Manufacturing	3	9	1	2	1	2	5

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
314120	Curtain and Linen Mills	Traded	Textile Manufacturing	17	13	10	8	8	13	25
314910	Textile Bag and Canvas Mills	Traded	Leather and Related Products	8	9	7	7	8	11	26
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	Traded	Textile Manufacturing	0	0	0	0	0	0	0
314999	All Other Miscellaneous Textile Product Mills	Traded	Apparel	27	24	27	25	24	74	71
315110	Hosiery and Sock Mills	Traded	Textile Manufacturing	1	1	2	1	1	1	1
315190	Other Apparel Knitting Mills	Traded	Textile Manufacturing	1	1	1	1	1	1	1
315210	Cut and Sew Apparel Contractors	Traded	Apparel	61	52	67	82	83	51	65
315220	Men's and Boys' Cut and Sew Apparel Manufacturing	Traded	Apparel	303	217	183	183	158	183	148
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing	Traded	Apparel	22	19	10	20	24	32	17
315280	Other Cut and Sew Apparel Manufacturing	Traded	Apparel	21	4	4	3	4	4	4
315990	Apparel Accessories and Other Apparel Manufacturing	Traded	Apparel	9	7	7	7	7	7	7
316110	Leather and Hide Tanning and Finishing	Traded	Footwear	2	2	18	5	11	12	7
316210	Footwear Manufacturing	Traded	Footwear	40	49	22	1	0	0	0
316992	Women's Handbag and Purse Manufacturing	Traded	Leather and Related Products	2	2	2	9	11	25	3
316998	All Other Leather Good and Allied Product Manufacturing	Traded	Leather and Related Products	11	10	9	28	11	7	14
321113	Sawmills	Traded	Wood Products	6	6	6	5	7	6	6
321114	Wood Preservation	Traded	Wood Products	27	1	1	1	1	1	1
321211	Hardwood Veneer and Plywood Manufacturing	Traded	Wood Products	33	36	14	23	22	23	0
321212	Softwood Veneer and Plywood Manufacturing	Traded	Wood Products	0	0	0	0	0	0	0
321213	Engineered Wood Member (except Truss) Manufacturing	Traded	Wood Products	0	0	0	0	0	0	0
321214	Truss Manufacturing	Traded	Wood Products	4	6	26	13	14	50	60
321219	Reconstituted Wood Product Manufacturing	Traded	Wood Products	0	0	0	14	18	4	15
321911	Wood Window and Door Manufacturing	Traded	Wood Products	3	7	32	43	47	50	58
321912	Cut Stock, Resawing Lumber, and Planing	Traded	Wood Products	56	34	2	1	2	2	2
321918	Other Millwork (including Flooring)	Traded	Wood Products	16	19	26	28	26	22	22
321920	Wood Container and Pallet Manufacturing	Traded	Wood Products	52	36	44	32	30	27	27
321991	Manufactured Home (Mobile Home) Manufacturing	Traded	Furniture	0	0	0	0	0	9	4
321992	Prefabricated Wood Building Manufacturing	Traded	Wood Products	9	3	2	1	10	3	3
321999	All Other Miscellaneous Wood Product Manufacturing	Traded	Wood Products	16	42	11	11	9	14	39
322110	Pulp Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0
322121	Paper (except Newsprint) Mills	Traded	Paper and Packaging	38	32	51	16	25	43	80
322122	Newsprint Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0
322130	Paperboard Mills	Traded	Paper and Packaging	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
322211	Corrugated and Solid Fiber Box Manufacturing	Traded	Paper and Packaging	315	324	400	237	296	389	420
322212	Folding Paperboard Box Manufacturing	Traded	Paper and Packaging	250	233	80	262	188	90	178
322219	Other Paperboard Container Manufacturing Paper Bag and Coated and Treated Paper	Traded	Paper and Packaging	0	0	0	0	0	0	0
322220	Manufacturing	Traded	Paper and Packaging	9	12	13	14	10	9	8
322230	Stationery Product Manufacturing	Traded	Paper and Packaging	40	20	20	52	37	22	14
322291	Sanitary Paper Product Manufacturing	Traded	Paper and Packaging	378	376	347	369	357	335	236
322299	All Other Converted Paper Product Manufacturing	Traded	Paper and Packaging	53	53	42	11	22	17	75
323111	Commercial Printing (except Screen and Books)	Traded	Printing Services	658	657	544	557	639	622	625
323113	Commercial Screen Printing	Traded	Printing Services	197	182	179	168	164	506	465
323117	Books Printing	Traded	Printing Services	39	49	95	87	73	37	48
323120	Support Activities for Printing	Traded	Printing Services	120	112	230	258	279	34	17
324110	Petroleum Refineries	Traded	Oil and Gas Production and Transportation	9	6	1	0	0	0	0
324121	Asphalt Paving Mixture and Block Manufacturing Asphalt Shingle and Coating Materials	Traded	Construction Products and Services	2	2	2	3	4	4	4
324122	Manufacturing Petroleum Lubricating Oil and Grease	Traded	Construction Products and Services	0	0	0	0	0	0	0
324191	Manufacturing All Other Petroleum and Coal Products	Traded	Downstream Chemical Products	0	0	0	0	0	0	0
324199	Manufacturing	Traded	Oil and Gas Production and Transportation	0	0	0	0	0	0	0
325110	Petrochemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	0
325120	Industrial Gas Manufacturing	Traded	Upstream Chemical Products	45	1	0	0	0	0	0
325130	Synthetic Dye and Pigment Manufacturing	Traded	Downstream Chemical Products	0	0	0	2	1	0	0
325180	Other Basic Inorganic Chemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	15	0
325193	Ethyl Alcohol Manufacturing Cyclic Crude, Intermediate, and Gum and Wood	Traded	Upstream Chemical Products	0	0	0	0	0	0	0
325194	Chemical Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	Traded	Upstream Chemical Products	36	68	63	41	74	4	111
325211	Plastics Material and Resin Manufacturing	Traded	Plastics	1	1	1	11	5	2	3
325212	Synthetic Rubber Manufacturing Artificial and Synthetic Fibers and Filaments	Traded	Upstream Chemical Products	29	47	56	86	84	96	93
325220	Manufacturing	Traded	Textile Manufacturing	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizer Manufacturing	Traded	Agricultural Inputs and Services	0	0	87	93	80	24	17
325312	Phosphatic Fertilizer Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	0	0
325314	Fertilizer (Mixing Only) Manufacturing Pesticide and Other Agricultural Chemical	Traded	Agricultural Inputs and Services	1	1	1	1	0	0	0
325320	Manufacturing	Traded	Upstream Chemical Products	0	0	0	0	0	124	122
325411	Medicinal and Botanical Manufacturing	Traded	Biopharmaceuticals	3	125	10	11	19	59	31
325412	Pharmaceutical Preparation Manufacturing	Traded	Biopharmaceuticals	6,217	6,495	6,538	6,363	6,442	6,294	5,253
325413	In-Vitro Diagnostic Substance Manufacturing	Traded	Biopharmaceuticals	259	69	114	98	57	91	106

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Biological Product (except Diagnostic)									
325414	Manufacturing	Traded	Biopharmaceuticals	1	1	1	1	18	19	27
325510	Paint and Coating Manufacturing	Traded	Downstream Chemical Products	42	46	33	32	38	41	35
325520	Adhesive Manufacturing	Traded	Downstream Chemical Products	1	1	28	25	17	25	15
325611	Soap and Other Detergent Manufacturing	Traded	Downstream Chemical Products	33	31	23	44	40	31	36
325612	Polish and Other Sanitation Good Manufacturing	Traded	Downstream Chemical Products	10	25	18	3	5	16	8
325613	Surface Active Agent Manufacturing	Traded	Downstream Chemical Products	0	0	0	0	0	0	0
325620	Toilet Preparation Manufacturing	Traded	Downstream Chemical Products	247	256	250	249	266	295	322
325910	Printing Ink Manufacturing	Traded	Printing Services	109	148	64	1	0	0	0
325920	Explosives Manufacturing	Traded	Downstream Chemical Products	0	0	0	0	0	0	0
325991	Custom Compounding of Purchased Resins	Traded	Downstream Chemical Products	541	483	484	500	491	521	441
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	Traded	Downstream Chemical Products	17	12	10	30	11	10	21
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	Traded	Downstream Chemical Products	258	300	287	367	413	480	561
326111	Plastics Bag and Pouch Manufacturing	Traded	Plastics	0	0	1	0	0	0	0
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	Traded	Plastics	0	0	0	0	0	11	0
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	Traded	Plastics	1	1	1	1	1	1	1
326121	Unlaminated Plastics Profile Shape Manufacturing	Traded	Plastics	1	1	1	1	0	1	1
326122	Plastics Pipe and Pipe Fitting Manufacturing	Traded	Plastics	1	1	1	1	64	38	44
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Traded	Plastics	1	1	1	0	0	1	1
326140	Polystyrene Foam Product Manufacturing	Traded	Plastics	100	88	117	148	40	37	40
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Traded	Plastics	48	45	40	33	77	46	57
326160	Plastics Bottle Manufacturing	Traded	Plastics	134	137	96	56	64	68	59
326191	Plastics Plumbing Fixture Manufacturing	Traded	Plastics	2	3	2	1	1	1	1
326199	All Other Plastics Product Manufacturing	Traded	Plastics	373	345	359	306	261	330	379
326211	Tire Manufacturing (except Retreading)	Traded	Vulcanized and Fired Materials	0	0	0	0	0	0	0
326212	Tire Retreading	Traded	Vulcanized and Fired Materials	1	1	1	1	1	1	5
326220	Rubber and Plastics Hoses and Belting Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	3	9	7
326291	Rubber Product Manufacturing for Mechanical Use	Traded	Vulcanized and Fired Materials	1	1	1	1	0	0	0
326299	All Other Rubber Product Manufacturing	Traded	Vulcanized and Fired Materials	15	19	22	26	28	25	35
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing	Traded	Vulcanized and Fired Materials	35	21	14	13	20	19	13
327120	Clay Building Material and Refractories Manufacturing	Traded	Vulcanized and Fired Materials	8	3	9	16	7	5	6
327211	Flat Glass Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware Manufacturing	Traded	Vulcanized and Fired Materials	98	120	28	7	18	25	2
327213	Glass Container Manufacturing	Traded	Food Processing and Manufacturing	0	22	34	86	36	50	12

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Glass Product Manufacturing Made of Purchased									
327215	Glass	Traded	Vulcanized and Fired Materials	109	58	127	111	145	155	97
327310	Cement Manufacturing	Traded	Construction Products and Services	0	0	0	0	0	0	0
327320	Ready-Mix Concrete Manufacturing	Local	Local Real Estate, Construction, and Development	185	158	106	101	108	112	115
327331	Concrete Block and Brick Manufacturing	Traded	Construction Products and Services	12	16	10	19	13	7	58
327332	Concrete Pipe Manufacturing	Traded	Construction Products and Services	148	104	95	69	65	66	25
327390	Other Concrete Product Manufacturing	Local	Local Real Estate, Construction, and Development	2	29	41	52	75	107	81
327410	Lime Manufacturing	Traded	Construction Products and Services	0	0	0	0	0	0	0
327420	Gypsum Product Manufacturing	Traded	Construction Products and Services	18	6	4	0	0	11	8
327910	Abrasive Product Manufacturing	Traded	Metalworking Technology	69	73	85	83	64	56	24
327991	Cut Stone and Stone Product Manufacturing	Traded	Construction Products and Services	72	65	76	67	97	98	93
	Ground or Treated Mineral and Earth									
327992	Manufacturing	Traded	Vulcanized and Fired Materials	0	0	0	0	0	0	0
327993	Mineral Wool Manufacturing	Traded	Construction Products and Services	411	441	466	483	503	567	597
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	Traded	Construction Products and Services	0	1	1	1	0	0	0
331110	Iron and Steel Mills and Ferroalloy Manufacturing	Traded	Upstream Metal Manufacturing	7	10	13	10	8	8	7
	Iron and Steel Pipe and Tube Manufacturing from									
331210	Purchased Steel	Traded	Upstream Metal Manufacturing	0	1	0	0	0	0	34
331221	Rolled Steel Shape Manufacturing	Traded	Upstream Metal Manufacturing	1	0	0	0	0	0	0
331222	Steel Wire Drawing	Traded	Upstream Metal Manufacturing	2	1	6	18	15	15	2
	Alumina Refining and Primary Aluminum									
331313	Production	Traded	Upstream Metal Manufacturing	5	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	Traded	Upstream Metal Manufacturing	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate, and Foil Manufacturing	Traded	Upstream Metal Manufacturing	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	1	0	0	1	35	29	12
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	Traded	Upstream Metal Manufacturing	1	1	0	1	1	1	1
331420	Copper Rolling, Drawing, Extruding, and Alloying	Traded	Upstream Metal Manufacturing	41	18	91	81	0	0	11
	Nonferrous Metal (except Copper and Aluminum)									
331491	Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	1	1	0	1	1	1	1
	Secondary Smelting, Refining, and Alloying of									
331492	Nonferrous Metal (except Copper and Aluminum)	Traded	Upstream Metal Manufacturing	33	41	0	1	1	1	1
331511	Iron Foundries	Traded	Automotive	7	12	10	4	2	1	1
331512	Steel Investment Foundries	Traded	Automotive	263	182	180	187	172	163	157
331513	Steel Foundries (except Investment)	Traded	Automotive	38	48	50	49	40	22	12
331523	Nonferrous Metal Die-Casting Foundries	Traded	Automotive	1	1	14	26	26	1	1
331524	Aluminum Foundries (except Die-Casting)	Traded	Automotive	154	167	174	172	172	143	108
	Other Nonferrous Metal Foundries (except Die-									
331529	Casting)	Traded	Automotive	1	1	5	14	7	15	1
332111	Iron and Steel Forging	Traded	Upstream Metal Manufacturing	78	105	59	67	65	69	73

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
332112	Nonferrous Forging	Traded	Upstream Metal Manufacturing	23	0	37	34	34	30	31
332114	Custom Roll Forming	Traded	Automotive	0	0	0	0	0	0	0
332117	Powder Metallurgy Part Manufacturing	Traded	Upstream Metal Manufacturing	0	0	0	0	0	0	0
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	Traded	Upstream Metal Manufacturing	86	39	39	30	30	35	44
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	Traded	Downstream Metal Products	1	0	0	0	1	1	16
332216	Saw Blade and Handtool Manufacturing	Traded	Downstream Metal Products	36	39	29	28	36	68	69
332311	Prefabricated Metal Building and Component Manufacturing	Traded	Downstream Metal Products	5	6	8	7	13	16	33
332312	Fabricated Structural Metal Manufacturing	Traded	Downstream Metal Products	59	55	60	68	132	110	101
332313	Plate Work Manufacturing	Traded	Metalworking Technology	35	34	36	37	32	30	49
332321	Metal Window and Door Manufacturing	Traded	Downstream Metal Products	253	263	280	269	286	333	429
332322	Sheet Metal Work Manufacturing	Local	Local Real Estate, Construction, and Development	86	87	78	68	76	114	116
332323	Ornamental and Architectural Metal Work Manufacturing	Traded	Downstream Metal Products	15	15	19	21	20	30	38
332410	Power Boiler and Heat Exchanger Manufacturing	Traded	Construction Products and Services	133	120	127	131	133	121	114
332420	Metal Tank (Heavy Gauge) Manufacturing	Traded	Construction Products and Services	3	5	3	11	9	6	17
332431	Metal Can Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0
332439	Other Metal Container Manufacturing	Traded	Downstream Metal Products	1	1	1	1	1	1	1
332510	Hardware Manufacturing	Traded	Downstream Metal Products	51	55	50	52	55	74	72
332613	Spring Manufacturing	Traded	Upstream Metal Manufacturing	53	49	46	41	72	72	104
332618	Other Fabricated Wire Product Manufacturing	Traded	Upstream Metal Manufacturing	9	6	13	17	23	17	13
332710	Machine Shops	Local	Local Industrial Products and Services	951	980	1,129	1,146	1,168	1,122	1,047
332721	Precision Turned Product Manufacturing	Traded	Metalworking Technology	45	38	38	41	40	53	51
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	Traded	Metalworking Technology	301	259	270	252	250	239	236
332811	Metal Heat Treating	Traded	Metalworking Technology	6	14	15	16	18	13	11
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	Traded	Metalworking Technology	113	139	158	184	169	195	183
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	Traded	Metalworking Technology	186	201	255	261	287	327	328
332911	Industrial Valve Manufacturing	Traded	Production Technology and Heavy Machinery	1	6	8	21	1	1	21
332912	Fluid Power Valve and Hose Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	0	0	0	0	0
332913	Plumbing Fixture Fitting and Trim Manufacturing	Traded	Construction Products and Services	15	42	39	24	9	0	0
332919	Other Metal Valve and Pipe Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	0	7	4	11	22	25	11
332991	Ball and Roller Bearing Manufacturing	Traded	Production Technology and Heavy Machinery	187	160	199	194	112	97	82
332992	Small Arms Ammunition Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0
332993	Ammunition (except Small Arms) Manufacturing	Traded	Downstream Metal Products	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Small Arms, Ordnance, and Ordnance Accessories									
332994	Manufacturing	Traded	Downstream Metal Products	178	126	46	124	212	241	286
332996	Fabricated Pipe and Pipe Fitting Manufacturing	Traded	Construction Products and Services	57	34	41	6	1	1	1
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Traded	Downstream Metal Products	203	206	212	182	185	196	195
333111	Farm Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	2	2	2	3	2	2	2
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0
333120	Construction Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	43	18	13	12	16	13	9
333131	Mining Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	1	0	0	0
333132	Oil and Gas Field Machinery and Equipment Manufacturing	Traded	Oil and Gas Production and Transportation	131	111	102	126	122	115	88
333241	Food Product Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	10	6	17	33	17
333242	Semiconductor Machinery Manufacturing	Traded	Information Technology and Analytical Instruments	43	236	286	298	290	262	289
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	1
333244	Printing Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	1
333249	Other Industrial Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	55	51	37	39	38	49	53
333314	Optical Instrument and Lens Manufacturing	Traded	Medical Devices	131	132	135	133	122	106	287
333316	Photographic and Photocopying Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	38	24	4	3	4	6	14
333318	Other Commercial and Service Industry Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	28	34	36	32	35	37	37
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	101	107	99	101	89	87	122
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	Traded	Production Technology and Heavy Machinery	344	355	351	315	316	330	326
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	17	11	11	16	25	25	36
333511	Industrial Mold Manufacturing	Traded	Metalworking Technology	84	91	68	63	71	92	86
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	Traded	Metalworking Technology	51	48	51	79	80	55	64
333515	Cutting Tool and Machine Tool Accessory Manufacturing	Traded	Metalworking Technology	48	51	62	52	39	37	50
333517	Machine Tool Manufacturing	Traded	Metalworking Technology	1,002	910	946	1,050	1,069	1,140	1,311
333519	Rolling Mill and Other Metalworking Machinery Manufacturing	Traded	Metalworking Technology	1	9	18	14	13	15	9
333611	Turbine and Turbine Generator Set Units Manufacturing	Traded	Production Technology and Heavy Machinery	35	74	38	91	85	78	0
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Mechanical Power Transmission Equipment									
333613	Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0
333618	Other Engine Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	48	2	55	34	41	50	86
333911	Pump and Pumping Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	30	44	45	54	70	65	61
333912	Air and Gas Compressor Manufacturing	Traded	Production Technology and Heavy Machinery	40	45	43	47	47	53	50
333913	Measuring and Dispensing Pump Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0
333921	Elevator and Moving Stairway Manufacturing	Traded	Production Technology and Heavy Machinery	101	90	0	78	69	64	78
	Conveyor and Conveying Equipment									
333922	Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	1	1	1
	Overhead Traveling Crane, Hoist, and Monorail									
333923	System Manufacturing	Traded	Production Technology and Heavy Machinery	1	0	0	1	0	0	0
	Industrial Truck, Tractor, Trailer, and Stacker									
333924	Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	19	31	139	53	27	50	55
333991	Power-Driven Handtool Manufacturing	Traded	Metalworking Technology	0	0	0	4	4	4	0
333992	Welding and Soldering Equipment Manufacturing	Traded	Metalworking Technology	10	11	6	13	5	2	5
333993	Packaging Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	24	19	16	11	14	10	7
	Industrial Process Furnace and Oven									
333994	Manufacturing	Traded	Production Technology and Heavy Machinery	1	1	1	1	0	1	1
333995	Fluid Power Cylinder and Actuator Manufacturing	Traded	Production Technology and Heavy Machinery	5	2	4	11	15	8	5
333996	Fluid Power Pump and Motor Manufacturing	Traded	Production Technology and Heavy Machinery	27	44	54	58	65	76	88
333997	Scale and Balance Manufacturing	Traded	Production Technology and Heavy Machinery	4	1	6	1	0	0	1
	All Other Miscellaneous General Purpose									
333999	Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	453	401	436	404	226	218	224
334111	Electronic Computer Manufacturing	Traded	Information Technology and Analytical Instruments	32	45	46	35	16	52	72
334112	Computer Storage Device Manufacturing	Traded	Information Technology and Analytical Instruments	130	61	59	59	73	26	1
	Computer Terminal and Other Computer									
334118	Peripheral Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	849	666	467	152	155	156	155
334210	Telephone Apparatus Manufacturing	Traded	Communications Equipment and Services	2	2	1	1	45	60	50
	Radio and Television Broadcasting and Wireless									
334220	Communications Equipment Manufacturing	Traded	Communications Equipment and Services	1,071	1,145	1,011	658	493	448	385
334290	Other Communications Equipment Manufacturing	Traded	Communications Equipment and Services	73	65	32	38	2	1	2
334310	Audio and Video Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	72	77	83	75	57	71	68
334412	Bare Printed Circuit Board Manufacturing	Traded	Information Technology and Analytical Instruments	65	68	58	42	36	30	26
334413	Semiconductor and Related Device Manufacturing	Traded	Information Technology and Analytical Instruments	1,328	1,372	1,251	1,147	1,166	1,101	1,519
	Capacitor, Resistor, Coil, Transformer, and Other									
334416	Inductor Manufacturing	Traded	Information Technology and Analytical Instruments	209	229	208	214	218	241	258
334417	Electronic Connector Manufacturing	Traded	Information Technology and Analytical Instruments	220	191	216	207	227	227	211

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Printed Circuit Assembly (Electronic Assembly)									
334418	Manufacturing	Traded	Information Technology and Analytical Instruments	866	864	860	725	713	673	649
334419	Other Electronic Component Manufacturing	Traded	Information Technology and Analytical Instruments	899	594	592	612	626	580	562
	Electromedical and Electrotherapeutic Apparatus									
334510	Manufacturing	Traded	Information Technology and Analytical Instruments	280	154	159	426	421	380	444
	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument									
334511	Manufacturing	Traded	Aerospace Vehicles and Defense	173	138	74	75	91	102	103
	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use									
334512	Instruments and Related Products Manufacturing	Traded	Information Technology and Analytical Instruments	6	7	3	1	1	1	3
	for Measuring, Displaying, and Controlling									
334513	Industrial Process Variables	Traded	Information Technology and Analytical Instruments	162	160	101	18	20	109	16
	Totalizing Fluid Meter and Counting Device									
334514	Manufacturing	Traded	Information Technology and Analytical Instruments	229	202	240	1	0	0	0
	Instrument Manufacturing for Measuring and									
334515	Testing Electricity and Electrical Signals	Traded	Information Technology and Analytical Instruments	41	22	56	96	89	99	97
334516	Analytical Laboratory Instrument Manufacturing	Traded	Information Technology and Analytical Instruments	78	195	229	119	118	81	76
334517	Irradiation Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments	1	0	0	0	0	0	0
	Other Measuring and Controlling Device									
334519	Manufacturing	Traded	Information Technology and Analytical Instruments	439	404	386	390	394	397	567
	Blank Magnetic and Optical Recording Media									
334613	Manufacturing	Traded	Information Technology and Analytical Instruments	1	1	3	4	0	0	0
	Software and Other Prerecorded Compact Disc,									
334614	Tape, and Record Reproducing	Traded	Information Technology and Analytical Instruments	484	481	314	310	243	242	231
335110	Electric Lamp Bulb and Part Manufacturing	Traded	Lighting and Electrical Equipment	0	0	1	0	0	0	0
335121	Residential Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	202	219	189	158	165	173	192
	Commercial, Industrial, and Institutional Electric									
335122	Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	171	158	178	155	187	175	85
335129	Other Lighting Equipment Manufacturing	Traded	Lighting and Electrical Equipment	166	176	159	195	166	172	103
335210	Small Electrical Appliance Manufacturing	Traded	Recreational and Small Electric Goods	10	1	1	1	1	1	10
335221	Household Cooking Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	1	1	1	1	1	0	0
	Household Refrigerator and Home Freezer									
335222	Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0
335224	Household Laundry Equipment Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0
335228	Other Major Household Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0
	Power, Distribution, and Specialty Transformer									
335311	Manufacturing	Traded	Lighting and Electrical Equipment	29	4	9	11	2	2	2
335312	Motor and Generator Manufacturing	Traded	Lighting and Electrical Equipment	189	200	188	186	163	173	180
	Switchgear and Switchboard Apparatus									
335313	Manufacturing	Traded	Lighting and Electrical Equipment	3	3	3	3	31	40	35

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
335314	Relay and Industrial Control Manufacturing	Traded	Lighting and Electrical Equipment	77	49	181	183	177	179	196
335911	Storage Battery Manufacturing	Traded	Lighting and Electrical Equipment	24	32	17	0	0	14	2
335912	Primary Battery Manufacturing	Traded	Communications Equipment and Services	0	0	0	0	10	33	64
335921	Fiber Optic Cable Manufacturing	Traded	Lighting and Electrical Equipment	18	16	10	59	22	4	0
335929	Other Communication and Energy Wire Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	7	1	1
335931	Current-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	21	17	14	94	59	9	20
335932	Noncurrent-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	1	0	29
335991	Carbon and Graphite Product Manufacturing	Traded	Lighting and Electrical Equipment	1	1	1	1	1	1	1
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	Traded	Lighting and Electrical Equipment	222	217	108	221	237	251	120
336111	Automobile Manufacturing	Traded	Automotive	168	125	82	12	10	10	11
336112	Light Truck and Utility Vehicle Manufacturing	Traded	Automotive	0	0	0	0	0	0	0
336120	Heavy Duty Truck Manufacturing	Traded	Automotive	0	0	0	0	0	0	0
336211	Motor Vehicle Body Manufacturing	Traded	Automotive	44	65	39	5	4	1	1
336212	Truck Trailer Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	1	1	0	0	0
336213	Motor Home Manufacturing	Traded	Trailers, Motor Homes, and Appliances	0	0	0	0	0	0	0
336214	Travel Trailer and Camper Manufacturing	Traded	Trailers, Motor Homes, and Appliances	1	1	1	1	1	3	11
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	Traded	Automotive	69	61	56	65	107	96	105
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	Traded	Automotive	1	1	2	1	1	1	1
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	Traded	Automotive	0	0	0	1	4	0	0
336340	Motor Vehicle Brake System Manufacturing	Traded	Automotive	2	1	3	12	25	17	0
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	Traded	Automotive	8	6	4	2	3	6	2
336360	Motor Vehicle Seating and Interior Trim Manufacturing	Traded	Automotive	0	0	1	1	0	0	0
336370	Motor Vehicle Metal Stamping	Traded	Automotive	0	0	1	1	1	6	3
336390	Other Motor Vehicle Parts Manufacturing	Traded	Automotive	181	193	177	254	250	257	279
336411	Aircraft Manufacturing	Traded	Aerospace Vehicles and Defense	11	19	15	13	15	14	29
336412	Aircraft Engine and Engine Parts Manufacturing	Traded	Aerospace Vehicles and Defense	25	22	32	17	11	14	16
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	921	826	794	739	745	736	696
336414	Guided Missile and Space Vehicle Manufacturing	Traded	Aerospace Vehicles and Defense	112	125	11	30	41	41	40
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	Traded	Aerospace Vehicles and Defense	0	0	0	0	0	0	0

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Other Guided Missile and Space Vehicle Parts and									
336419	Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	48	5	0	0	0	0	0
336510	Railroad Rolling Stock Manufacturing	Traded	Production Technology and Heavy Machinery	0	0	0	0	0	0	0
336611	Ship Building and Repairing	Traded	Water Transportation	14	8	47	28	30	46	47
336612	Boat Building	Traded	Water Transportation	44	50	8	23	29	13	9
336991	Motorcycle, Bicycle, and Parts Manufacturing	Traded	Recreational and Small Electric Goods	93	65	81	105	109	122	117
	Military Armored Vehicle, Tank, and Tank									
336992	Component Manufacturing	Traded	Automotive	0	0	0	1	0	1	0
	All Other Transportation Equipment									
336999	Manufacturing	Traded	Automotive	30	45	33	8	18	3	3
	Wood Kitchen Cabinet and Countertop									
337110	Manufacturing	Traded	Furniture	195	175	173	179	195	190	198
337121	Upholstered Household Furniture Manufacturing	Traded	Furniture	28	32	29	28	116	114	95
	Nonupholstered Wood Household Furniture									
337122	Manufacturing	Traded	Furniture	20	18	16	31	34	48	41
337124	Metal Household Furniture Manufacturing	Traded	Furniture	46	24	52	61	64	97	80
	Household Furniture (except Wood and Metal)									
337125	Manufacturing	Traded	Furniture	0	1	4	7	2	11	1
337127	Institutional Furniture Manufacturing	Traded	Furniture	1	19	36	48	42	45	27
337211	Wood Office Furniture Manufacturing	Traded	Furniture	1	1	4	20	25	27	34
	Custom Architectural Woodwork and Millwork									
337212	Manufacturing	Local	Local Real Estate, Construction, and Development	4	44	37	53	63	72	79
337214	Office Furniture (except Wood) Manufacturing	Traded	Furniture	51	54	57	48	53	63	56
	Showcase, Partition, Shelving, and Locker									
337215	Manufacturing	Traded	Furniture	13	13	13	22	19	32	37
337910	Mattress Manufacturing	Traded	Furniture	1	0	0	0	1	40	40
337920	Blind and Shade Manufacturing	Traded	Recreational and Small Electric Goods	29	62	53	29	31	11	13
339112	Surgical and Medical Instrument Manufacturing	Traded	Medical Devices	254	267	253	197	204	230	242
339113	Surgical Appliance and Supplies Manufacturing	Traded	Medical Devices	383	295	218	210	264	307	415
339114	Dental Equipment and Supplies Manufacturing	Traded	Medical Devices	156	154	147	162	160	126	74
339115	Ophthalmic Goods Manufacturing	Traded	Medical Devices	13	11	14	11	11	14	11
339116	Dental Laboratories	Local	Local Health Services	96	74	74	71	69	67	69
339910	Jewelry and Silverware Manufacturing	Traded	Jewelry and Precious Metals	90	88	95	80	77	83	96
339920	Sporting and Athletic Goods Manufacturing	Traded	Recreational and Small Electric Goods	184	181	175	149	138	166	166
339930	Doll, Toy, and Game Manufacturing	Traded	Recreational and Small Electric Goods	16	13	19	16	12	23	18
339940	Office Supplies (except Paper) Manufacturing	Traded	Recreational and Small Electric Goods	55	85	101	5	6	6	6
339950	Sign Manufacturing	Local	Local Commercial Services	112	120	110	97	118	123	117
	Gasket, Packing, and Sealing Device									
339991	Manufacturing	Traded	Production Technology and Heavy Machinery	3	3	3	2	3	3	3

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
339992	Musical Instrument Manufacturing	Traded	Recreational and Small Electric Goods	138	146	178	196	181	183	196
339993	Fastener, Button, Needle, and Pin Manufacturing	Traded	Recreational and Small Electric Goods	2	2	2	1	1	1	1
339994	Broom, Brush, and Mop Manufacturing	Traded	Plastics	1	1	1	1	1	1	1
339995	Burial Casket Manufacturing	Traded	Trailers, Motor Homes, and Appliances	1	1	1	1	1	1	1
339999	All Other Miscellaneous Manufacturing	Traded	Recreational and Small Electric Goods	158	224	224	228	188	184	182
423110	Wholesalers Automobile and Other Motor Vehicle Merchant Motor Vehicle Supplies and New Parts Merchant	Local	Local Motor Vehicle Products and Services	62	35	42	41	79	82	88
423120	Wholesalers	Local	Local Motor Vehicle Products and Services	531	493	521	554	607	583	699
423130	Tire and Tube Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	46	54	39	32	47	54	59
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	4	8	18	27	5	5	3
423210	Furniture Merchant Wholesalers	Traded	Distribution and Electronic Commerce	30	31	31	33	43	43	39
423220	Home Furnishing Merchant Wholesalers Lumber, Plywood, Millwork, and Wood Panel	Traded	Distribution and Electronic Commerce	222	250	259	251	273	294	78
423310	Merchant Wholesalers Brick, Stone, and Related Construction Material	Local	Local Real Estate, Construction, and Development	56	60	89	96	112	117	138
423320	Merchant Wholesalers Roofing, Siding, and Insulation Material Merchant	Local	Local Real Estate, Construction, and Development	61	61	66	73	78	85	97
423330	Wholesalers Other Construction Material Merchant	Local	Local Real Estate, Construction, and Development	9	11	19	24	21	26	33
423390	Wholesalers Photographic Equipment and Supplies Merchant	Local	Local Real Estate, Construction, and Development	25	14	8	7	18	22	40
423410	Wholesalers	Traded	Distribution and Electronic Commerce	45	47	48	43	42	104	117
423420	Office Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	65	73	87	50	32	40	52
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers Other Commercial Equipment Merchant	Traded	Distribution and Electronic Commerce	292	253	241	154	161	174	179
423440	Wholesalers Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	59	45	53	54	50	46	43
423450	Ophthalmic Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	191	173	194	241	209	186	243
423460	Other Professional Equipment and Supplies	Traded	Distribution and Electronic Commerce	93	74	76	66	58	48	41
423490	Merchant Wholesalers Metal Service Centers and Other Metal Merchant	Traded	Distribution and Electronic Commerce	31	24	47	52	40	30	30
423510	Wholesalers Coal and Other Mineral and Ore Merchant	Traded	Distribution and Electronic Commerce	208	191	200	176	182	144	125
423520	Wholesalers Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant	Traded	Distribution and Electronic Commerce	5	4	4	39	9	1	0
423610	Wholesalers	Traded	Distribution and Electronic Commerce	266	277	287	280	322	329	381
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers	Traded	Distribution and Electronic Commerce	48	45	91	99	141	127	102

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Other Electronic Parts and Equipment Merchant									
423690	Wholesalers	Traded	Distribution and Electronic Commerce	783	727	767	787	723	702	791
423710	Hardware Merchant Wholesalers	Local	Local Household Goods and Services	554	582	537	510	578	697	765
	Plumbing and Heating Equipment and Supplies									
423720	(Hydronics) Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	197	176	171	180	210	172	140
	Warm Air Heating and Air-Conditioning									
423730	Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	34	35	35	35	36	38	48
	Refrigeration Equipment and Supplies Merchant									
423740	Wholesalers	Local	Local Real Estate, Construction, and Development	12	11	12	14	14	17	22
	Construction and Mining (except Oil Well)									
423810	Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	92	84	85	87	129	143	135
	Farm and Garden Machinery and Equipment									
423820	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	89	85	84	74	75	74	127
	Industrial Machinery and Equipment Merchant									
423830	Wholesalers	Traded	Distribution and Electronic Commerce	414	435	400	420	424	466	410
423840	Industrial Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	202	196	116	135	168	164	192
	Service Establishment Equipment and Supplies									
423850	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	32	28	27	28	38	37	38
	Transportation Equipment and Supplies (except									
423860	Motor Vehicle) Merchant Wholesalers	Traded	Distribution and Electronic Commerce	175	163	84	81	80	78	66
	Sporting and Recreational Goods and Supplies									
423910	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	185	176	210	190	210	192	210
	Toy and Hobby Goods and Supplies Merchant									
423920	Wholesalers	Traded	Distribution and Electronic Commerce	147	142	143	133	134	136	131
423930	Recyclable Material Merchant Wholesalers	Local	Local Industrial Products and Services	270	301	327	288	250	191	138
	Jewelry, Watch, Precious Stone, and Precious									
423940	Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce	60	56	61	58	62	47	56
	Other Miscellaneous Durable Goods Merchant									
423990	Wholesalers	Local	Local Industrial Products and Services	203	211	282	231	215	167	158
	Printing and Writing Paper Merchant Wholesalers									
424110	Stationery and Office Supplies Merchant	Traded	Distribution and Electronic Commerce	1	1	1	4	12	8	10
	Wholesalers									
424120	Wholesalers	Traded	Distribution and Electronic Commerce	75	69	82	94	110	88	79
	Industrial and Personal Service Paper Merchant									
424130	Wholesalers	Traded	Distribution and Electronic Commerce	52	46	40	53	45	36	43
	Drugs and Druggists' Sundries Merchant									
424210	Wholesalers	Traded	Distribution and Electronic Commerce	1,088	1,168	1,155	1,138	1,105	1,147	1,169
	Piece Goods, Notions, and Other Dry Goods									
424310	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	89	106	119	100	71	93	88
	Men's and Boys' Clothing and Furnishings									
424320	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	32	52	53	85	102	108	118
	Women's, Children's, and Infants' Clothing and									
424330	Accessories Merchant Wholesalers	Traded	Distribution and Electronic Commerce	157	142	119	155	166	147	151
424340	Footwear Merchant Wholesalers	Traded	Distribution and Electronic Commerce	80	82	77	74	96	84	89

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
424410	General Line Grocery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	345	363	370	361	659	670	656
424420	Packaged Frozen Food Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	11	14	9	10	12	10	7
	Dairy Product (except Dried or Canned) Merchant									
424430	Wholesalers	Local	Local Food and Beverage Processing and Distribution	39	36	67	46	40	38	36
	Poultry and Poultry Product Merchant									
424440	Wholesalers	Traded	Distribution and Electronic Commerce	12	2	2	9	14	0	0
424450	Confectionery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	105	97	83	81	76	74	71
424460	Fish and Seafood Merchant Wholesalers	Traded	Distribution and Electronic Commerce	136	120	118	123	108	96	105
424470	Meat and Meat Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	4	3	2	2	2	1	1
424480	Fresh Fruit and Vegetable Merchant Wholesalers	Traded	Distribution and Electronic Commerce	664	677	709	670	733	761	742
	Other Grocery and Related Products Merchant									
424490	Wholesalers	Local	Local Food and Beverage Processing and Distribution	178	292	358	429	351	336	563
424510	Grain and Field Bean Merchant Wholesalers	Traded	Food Processing and Manufacturing	6	6	6	5	6	7	9
424520	Livestock Merchant Wholesalers	Traded	Livestock Processing	1	2	1	1	1	1	1
	Other Farm Product Raw Material Merchant									
424590	Wholesalers	Traded	Distribution and Electronic Commerce	1	1	1	1	1	1	1
	Plastics Materials and Basic Forms and Shapes									
424610	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	44	44	46	51	55	56	54
	Other Chemical and Allied Products Merchant									
424690	Wholesalers	Traded	Distribution and Electronic Commerce	62	57	57	75	76	87	101
424710	Petroleum Bulk Stations and Terminals	Traded	Distribution and Electronic Commerce	33	37	59	32	31	29	25
	Petroleum and Petroleum Products Merchant									
424720	Wholesalers (except Bulk Stations and Terminals)	Traded	Distribution and Electronic Commerce	91	93	90	90	100	98	94
424810	Beer and Ale Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	207	208	172	134	101	88	100
	Wine and Distilled Alcoholic Beverage Merchant									
424820	Wholesalers	Traded	Distribution and Electronic Commerce	85	74	111	254	291	327	313
424910	Farm Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	274	286	291	304	315	324	360
	Book, Periodical, and Newspaper Merchant									
424920	Wholesalers	Traded	Distribution and Electronic Commerce	82	124	64	63	59	60	49
	Flower, Nursery Stock, and Florists' Supplies									
424930	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	190	184	228	395	360	290	290
	Tobacco and Tobacco Product Merchant									
424940	Wholesalers	Traded	Distribution and Electronic Commerce	117	119	137	149	178	187	182
	Paint, Varnish, and Supplies Merchant									
424950	Wholesalers	Traded	Distribution and Electronic Commerce	56	33	26	40	40	44	41
	Other Miscellaneous Nondurable Goods									
424990	Merchant Wholesalers	Traded	Distribution and Electronic Commerce	681	538	524	490	443	450	455
425110	Business to Business Electronic Markets	Traded	Distribution and Electronic Commerce	336	330	427	374	106	106	104
425120	Wholesale Trade Agents and Brokers	Traded	Distribution and Electronic Commerce	1,403	1,782	1,572	1,442	1,484	1,542	835
441110	New Car Dealers	Local	Local Motor Vehicle Products and Services	2,825	2,828	2,906	3,011	3,094	3,237	3,535
441120	Used Car Dealers	Local	Local Motor Vehicle Products and Services	110	108	139	211	348	394	353
441210	Recreational Vehicle Dealers	Local	Local Motor Vehicle Products and Services	68	68	75	81	79	63	62

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
441222	Boat Dealers	Local	Local Motor Vehicle Products and Services	50	49	43	55	51	60	68
	Motorcycle, ATV, and All Other Motor Vehicle									
441228	Dealers	Local	Local Motor Vehicle Products and Services	251	265	275	265	267	273	281
441310	Automotive Parts and Accessories Stores	Local	Local Motor Vehicle Products and Services	813	793	803	829	844	789	784
441320	Tire Dealers	Local	Local Motor Vehicle Products and Services	363	373	378	381	431	447	412
442110	Furniture Stores	Local	Local Household Goods and Services	521	533	532	525	583	389	303
442210	Floor Covering Stores	Local	Local Household Goods and Services	180	183	135	146	159	160	171
442291	Window Treatment Stores	Local	Local Household Goods and Services	22	22	8	6	6	6	6
442299	All Other Home Furnishings Stores	Local	Local Household Goods and Services	440	506	550	542	543	605	693
443141	Household Appliance Stores	Local	Local Household Goods and Services	72	61	64	72	164	169	179
443142	Electronics Stores	Local	Local Entertainment and Media	1,580	1,595	1,696	1,804	1,591	1,466	1,382
444110	Home Centers	Local	Local Real Estate, Construction, and Development	1,212	1,210	1,253	1,438	1,566	1,603	1,588
444120	Paint and Wallpaper Stores	Local	Local Real Estate, Construction, and Development	81	106	86	81	91	94	98
444130	Hardware Stores	Local	Local Household Goods and Services	291	301	293	318	357	300	298
444190	Other Building Material Dealers	Local	Local Real Estate, Construction, and Development	787	752	718	748	773	697	728
444210	Outdoor Power Equipment Stores	Local	Local Household Goods and Services	7	7	8	8	10	9	11
444220	Nursery, Garden Center, and Farm Supply Stores	Local	Local Household Goods and Services	142	141	140	139	192	352	469
	Supermarkets and Other Grocery (except									
445110	Convenience) Stores	Local	Local Food and Beverage Processing and Distribution	6,229	6,085	5,917	6,094	6,481	7,167	7,268
445120	Convenience Stores	Local	Local Food and Beverage Processing and Distribution	321	407	417	428	434	405	397
445210	Meat Markets	Local	Local Food and Beverage Processing and Distribution	107	115	115	124	156	170	185
445220	Fish and Seafood Markets	Local	Local Food and Beverage Processing and Distribution	11	14	12	15	73	72	68
445230	Fruit and Vegetable Markets	Local	Local Food and Beverage Processing and Distribution	198	211	210	222	224	229	240
445291	Baked Goods Stores	Local	Local Food and Beverage Processing and Distribution	62	69	63	67	61	67	61
445292	Confectionery and Nut Stores	Local	Local Food and Beverage Processing and Distribution	81	75	83	76	74	76	85
445299	All Other Specialty Food Stores	Local	Local Food and Beverage Processing and Distribution	277	281	282	296	310	87	88
445310	Beer, Wine, and Liquor Stores	Local	Local Food and Beverage Processing and Distribution	327	365	397	421	448	459	543
446110	Pharmacies and Drug Stores	Local	Local Health Services	1,628	1,527	1,404	1,431	1,428	1,417	1,407
446120	Cosmetics, Beauty Supplies, and Perfume Stores	Local	Local Personal Services (Non-Medical)	384	387	414	474	526	526	483
446130	Optical Goods Stores	Local	Local Health Services	130	137	142	133	140	142	145
446191	Food (Health) Supplement Stores	Local	Local Food and Beverage Processing and Distribution	213	214	214	242	237	258	266
446199	All Other Health and Personal Care Stores	Local	Local Personal Services (Non-Medical)	96	96	111	110	133	130	139
447110	Gasoline Stations with Convenience Stores	Local	Local Motor Vehicle Products and Services	841	890	877	846	877	877	884
447190	Other Gasoline Stations	Local	Local Motor Vehicle Products and Services	68	77	103	99	89	88	96
448110	Men's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	147	146	135	109	117	137	120
448120	Women's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	707	843	825	871	913	938	858
448130	Children's and Infants' Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	245	243	230	242	220	216	215
448140	Family Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	1,748	1,808	1,889	1,900	1,756	1,699	1,534
448150	Clothing Accessories Stores	Local	Local Retailing of Clothing and General Merchandise	155	293	331	286	262	293	765
448190	Other Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	286	293	314	349	341	325	378
448210	Shoe Stores	Local	Local Retailing of Clothing and General Merchandise	658	660	699	987	1,034	829	907
448310	Jewelry Stores	Local	Local Retailing of Clothing and General Merchandise	328	311	367	422	419	383	372
448320	Luggage and Leather Goods Stores	Local	Local Retailing of Clothing and General Merchandise	101	93	111	130	129	119	112
451110	Sporting Goods Stores	Local	Local Entertainment and Media	798	785	694	766	856	880	840
451120	Hobby, Toy, and Game Stores	Local	Local Entertainment and Media	438	423	445	464	456	457	439

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
451130	Sewing, Needlework, and Piece Goods Stores	Local	Local Retailing of Clothing and General Merchandise	148	141	142	135	134	137	136
451140	Musical Instrument and Supplies Stores	Local	Local Entertainment and Media	90	82	74	82	84	138	113
451211	Book Stores	Local	Local Entertainment and Media	326	299	242	210	203	198	213
451212	News Dealers and Newsstands	Local	Local Entertainment and Media	22	12	12	11	10	9	9
	Department Stores (except Discount Department Stores)	Local	Local Retailing of Clothing and General Merchandise	1,807	1,854	1,837	1,817	1,757	1,713	1,665
452112	Discount Department Stores	Local	Local Retailing of Clothing and General Merchandise	2,825	2,996	3,059	3,076	3,073	2,957	2,963
452910	Warehouse Clubs and Supercenters	Local	Local Retailing of Clothing and General Merchandise	1,022	1,045	1,221	1,191	1,333	1,300	1,335
452990	All Other General Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	809	743	782	796	826	866	839
453110	Florists	Local	Local Household Goods and Services	176	168	142	161	167	107	146
453210	Office Supplies and Stationery Stores	Local	Local Commercial Services	368	372	339	381	373	378	348
453220	Gift, Novelty, and Souvenir Stores	Local	Local Hospitality Establishments	339	308	344	309	328	321	299
453310	Used Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	315	378	433	437	460	518	583
453910	Pet and Pet Supplies Stores	Local	Local Personal Services (Non-Medical)	490	500	559	582	467	464	401
453920	Art Dealers	Traded	Hospitality and Tourism	86	50	53	53	48	48	43
453930	Manufactured (Mobile) Home Dealers	Local	Local Motor Vehicle Products and Services	16	11	11	10	7	8	6
453991	Tobacco Stores	Local	Local Food and Beverage Processing and Distribution	46	49	54	72	97	123	134
	All Other Miscellaneous Store Retailers (except Tobacco Stores)	Local	Local Personal Services (Non-Medical)	331	327	361	338	293	275	352
454111	Electronic Shopping	Traded	Distribution and Electronic Commerce	126	121	165	152	159	159	164
454112	Electronic Auctions	Traded	Distribution and Electronic Commerce	82	88	82	146	174	221	281
454113	Mail-Order Houses	Traded	Distribution and Electronic Commerce	335	290	287	343	291	358	398
454210	Vending Machine Operators	Local	Local Food and Beverage Processing and Distribution	71	73	59	71	73	106	106
454310	Fuel Dealers	Local	Local Utilities	34	38	41	44	42	60	51
454390	Other Direct Selling Establishments	Local	Local Food and Beverage Processing and Distribution	1,095	1,009	956	990	966	973	936
481111	Scheduled Passenger Air Transportation	Traded	Transportation and Logistics	14	10	3	4	5	5	15
481112	Scheduled Freight Air Transportation	Traded	Transportation and Logistics	1	7	16	19	25	20	2
	Nonscheduled Chartered Passenger Air Transportation	Traded	Transportation and Logistics	97	98	100	104	110	120	133
	Nonscheduled Chartered Freight Air Transportation	Traded	Transportation and Logistics	1	1	1	1	1	1	1
481212	Transportation	Traded	Transportation and Logistics	3	3	2	3	3	4	4
481219	Other Nonscheduled Air Transportation	Traded	Transportation and Logistics	12	13	11	7	10	6	9
483111	Deep Sea Freight Transportation	Traded	Water Transportation	0	0	0	0	0	0	1
483112	Deep Sea Passenger Transportation	Traded	Water Transportation							
483113	Coastal and Great Lakes Freight Transportation	Traded	Water Transportation	2	1	1	1	1	2	2
483114	Coastal and Great Lakes Passenger Transportation	Traded	Water Transportation	1	1	1	1	0	0	0
483211	Inland Water Freight Transportation	Traded	Water Transportation	1	1	1	1	1	1	1
483212	Inland Water Passenger Transportation	Traded	Water Transportation	3	1	1	4	1	1	1
484110	General Freight Trucking, Local	Local	Local Logistical Services	380	384	361	397	416	490	411
	General Freight Trucking, Long-Distance, Truckload	Traded	Transportation and Logistics	222	230	257	330	352	353	188
	General Freight Trucking, Long-Distance, Less Than Truckload	Local	Local Logistical Services	236	228	226	243	233	202	267
484210	Used Household and Office Goods Moving	Local	Local Logistical Services	110	107	103	95	112	121	173

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
484220	Specialized Freight (except Used Goods) Trucking, Local	Local	Local Logistical Services	332	299	293	305	308	323	332
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	Traded	Transportation and Logistics	175	142	135	140	157	88	77
485111	Mixed Mode Transit Systems	Local	Local Logistical Services	4	18	59	67	12	19	42
485112	Commuter Rail Systems	Local	Local Logistical Services	0	0	0	0	0	0	0
485113	Bus and Other Motor Vehicle Transit Systems	Local	Local Logistical Services	131	115	75	42	103	80	37
485119	Other Urban Transit Systems	Local	Local Logistical Services	0	0	0	0	0	0	0
485210	Interurban and Rural Bus Transportation	Traded	Transportation and Logistics	163	157	140	162	140	170	166
485310	Taxi Service	Traded	Business Services	17	16	17	18	22	35	36
485320	Limousine Service	Traded	Business Services	94	73	85	112	94	120	116
485410	School and Employee Bus Transportation	Local	Local Logistical Services	149	149	219	171	149	202	184
485510	Charter Bus Industry	Traded	Transportation and Logistics	7	13	19	31	17	9	10
485991	Special Needs Transportation	Local	Local Logistical Services	73	104	138	144	162	231	246
485999	All Other Transit and Ground Passenger Transportation	Traded	Business Services	200	203	226	253	250	277	275
486110	Pipeline Transportation of Crude Oil	Traded	Oil and Gas Production and Transportation	0	0	0	0	0	0	0
486210	Pipeline Transportation of Natural Gas	Traded	Oil and Gas Production and Transportation	1	0	0	0	0	0	0
486910	Pipeline Transportation of Refined Petroleum Products	Traded	Oil and Gas Production and Transportation	8	10	7	0	0	4	4
486990	All Other Pipeline Transportation	Traded	Oil and Gas Production and Transportation	0	0	0	0	0	0	0
487110	Scenic and Sightseeing Transportation, Land	Traded	Hospitality and Tourism	19	64	65	46	38	27	27
487210	Scenic and Sightseeing Transportation, Water	Traded	Hospitality and Tourism	57	59	53	69	78	76	86
487990	Scenic and Sightseeing Transportation, Other	Traded	Hospitality and Tourism	0	0	0	0	0	0	0
488111	Air Traffic Control	Traded	Transportation and Logistics	33	31	3	24	15	6	4
488119	Other Airport Operations	Traded	Transportation and Logistics	105	115	148	172	189	200	30
488190	Other Support Activities for Air Transportation	Traded	Transportation and Logistics	174	207	208	197	219	342	156
488210	Support Activities for Rail Transportation	Traded	Transportation and Logistics	1	1	1	1	1	1	1
488310	Port and Harbor Operations	Traded	Water Transportation	8	4	18	16	25	25	20
488320	Marine Cargo Handling	Traded	Water Transportation	13	15	19	25	26	25	24
488330	Navigational Services to Shipping	Traded	Water Transportation	82	87	92	95	89	91	90
488390	Other Support Activities for Water Transportation	Traded	Water Transportation	13	17	12	5	3	2	1
488410	Motor Vehicle Towing	Local	Local Motor Vehicle Products and Services	235	238	216	233	216	218	222
488490	Other Support Activities for Road Transportation	Traded	Transportation and Logistics	23	14	15	21	19	21	18
488510	Freight Transportation Arrangement	Traded	Transportation and Logistics	105	98	85	77	79	92	144
488991	Packing and Crating	Traded	Transportation and Logistics	2	7	4	3	5	3	8
488999	All Other Support Activities for Transportation	Traded	Transportation and Logistics	0	1	1	0	0	1	1
492110	Couriers and Express Delivery Services	Local	Local Logistical Services	638	622	619	631	693	745	958
492210	Local Messengers and Local Delivery	Local	Local Logistical Services	231	189	127	139	158	165	206
493110	General Warehousing and Storage	Traded	Distribution and Electronic Commerce	489	455	442	433	494	592	575

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
493120	Refrigerated Warehousing and Storage	Traded	Distribution and Electronic Commerce	139	153	159	250	132	148	188
493130	Farm Product Warehousing and Storage	Traded	Distribution and Electronic Commerce	0	0	0	0	0	34	20
493190	Other Warehousing and Storage	Traded	Distribution and Electronic Commerce	101	102	102	106	126	91	72
511110	Newspaper Publishers	Local	Local Entertainment and Media	400	366	289	310	278	281	242
511120	Periodical Publishers	Traded	Marketing, Design, and Publishing	331	309	210	171	133	114	105
511130	Book Publishers	Traded	Marketing, Design, and Publishing	510	513	535	523	535	569	534
511140	Directory and Mailing List Publishers	Traded	Marketing, Design, and Publishing	24	23	20	15	9	11	11
511191	Greeting Card Publishers	Traded	Printing Services	0	1	0	1	0	0	0
511199	All Other Publishers	Traded	Marketing, Design, and Publishing	39	43	38	28	25	21	22
511210	Software Publishers	Traded	Information Technology and Analytical Instruments	174	177	165	308	329	316	316
512110	Motion Picture and Video Production	Traded	Video Production and Distribution	263	280	275	289	288	420	276
512120	Motion Picture and Video Distribution	Traded	Video Production and Distribution	14	13	12	11	13	13	12
512131	Motion Picture Theaters (except Drive-Ins)	Local	Local Entertainment and Media	697	797	815	929	988	1,029	1,197
512132	Drive-In Motion Picture Theaters	Traded	Video Production and Distribution	4	3	3	3	3	2	2
	Teleproduction and Other Postproduction									
512191	Services	Traded	Video Production and Distribution	56	50	54	63	69	67	63
512199	Other Motion Picture and Video Industries	Traded	Video Production and Distribution	6	9	5	3	3	4	3
512210	Record Production	Traded	Music and Sound Recording	6	6	6	7	6	6	7
512220	Integrated Record Production/Distribution	Traded	Music and Sound Recording	8	7	11	7	5	6	5
512230	Music Publishers	Traded	Music and Sound Recording	12	12	12	13	16	14	12
512240	Sound Recording Studios	Traded	Music and Sound Recording	46	45	44	51	36	39	42
512290	Other Sound Recording Industries	Traded	Music and Sound Recording	7	5	5	7	7	6	6
515111	Radio Networks	Local	Local Entertainment and Media	12	14	13	13	21	21	35
515112	Radio Stations	Local	Local Entertainment and Media	246	249	241	237	220	231	246
515120	Television Broadcasting	Local	Local Entertainment and Media	5	6	11	4	147	106	4
515210	Cable and Other Subscription Programming	Traded	Communications Equipment and Services	19	76	103	92	157	221	36
517110	Wired Telecommunications Carriers	Local	Local Utilities	1,499	1,350	1,092	1,161	1,218	1,184	1,138
	Wireless Telecommunications Carriers (except									
517210	Satellite)	Traded	Communications Equipment and Services	291	314	315	329	325	350	395
517410	Satellite Telecommunications	Traded	Communications Equipment and Services	299	255	219	110	109	95	85
517911	Telecommunications Resellers	Local	Local Utilities	229	218	193	159	58	47	41
517919	All Other Telecommunications	Traded	Communications Equipment and Services	8	5	10	9	28	58	57
518210	Data Processing, Hosting, and Related Services	Traded	Business Services	286	294	337	316	290	363	387
519110	News Syndicates	Traded	Marketing, Design, and Publishing	6	8	11	4	3	3	19
519120	Libraries and Archives	Traded	Marketing, Design, and Publishing	338	359	324	313	302	352	368
	Internet Publishing and Broadcasting and Web									
519130	Search Portals	Traded	Marketing, Design, and Publishing	162	137	116	159	151	91	98
519190	All Other Information Services	Traded	Marketing, Design, and Publishing	14	47	23	23	29	45	15
521110	Monetary Authorities-Central Bank	Traded	Financial Services	5	2	18	0	0	0	0
522110	Commercial Banking	Local	Local Financial Services	1,729	3,088	4,915	6,658	5,535	4,614	3,368
522120	Savings Institutions	Traded	Financial Services	519	528	538	544	521	499	441
522130	Credit Unions	Local	Local Financial Services	224	156	204	227	271	287	288
522190	Other Depository Credit Intermediation	Traded	Financial Services	32	87	40	44	43	49	63
522210	Credit Card Issuing	Traded	Financial Services	58	7	3	12	20	21	15
522220	Sales Financing	Traded	Financial Services	84	66	46	31	34	37	59
522291	Consumer Lending	Traded	Financial Services	47	47	45	44	39	92	154

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
522292	Real Estate Credit	Traded	Financial Services	3,722	4,373	3,442	1,435	2,329	2,434	2,833
522293	International Trade Financing	Traded	Financial Services	1	0	0	0	0	0	0
522294	Secondary Market Financing	Traded	Financial Services	0	0	0	0	10	0	4
522298	All Other Nondepository Credit Intermediation	Traded	Financial Services	46	50	55	55	54	49	45
522310	Mortgage and Nonmortgage Loan Brokers	Traded	Financial Services	106	113	138	130	133	73	82
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities	Traded	Financial Services	340	305	246	257	258	529	492
522390	Other Activities Related to Credit Intermediation	Traded	Financial Services	122	97	99	100	93	98	96
523110	Investment Banking and Securities Dealing	Traded	Financial Services	200	197	194	245	247	231	270
523120	Securities Brokerage	Traded	Financial Services	261	276	285	308	295	313	241
523130	Commodity Contracts Dealing	Traded	Financial Services	4	6	1	2	1	1	1
523140	Commodity Contracts Brokerage	Traded	Financial Services	31	24	19	13	8	9	11
523210	Securities and Commodity Exchanges	Traded	Financial Services	6	7	3	1	1	2	2
523910	Miscellaneous Intermediation	Traded	Financial Services	30	27	33	42	38	34	36
523920	Portfolio Management	Traded	Financial Services	213	159	150	185	180	172	192
523930	Investment Advice	Traded	Financial Services	215	218	222	205	241	269	284
523991	Trust, Fiduciary, and Custody Activities	Traded	Financial Services	45	28	29	33	22	11	8
523999	Miscellaneous Financial Investment Activities	Traded	Financial Services	3	3	3	3	3	19	26
524113	Direct Life Insurance Carriers	Traded	Insurance Services	277	249	107	66	51	40	40
524114	Direct Health and Medical Insurance Carriers	Traded	Insurance Services	2,964	2,495	2,065	1,562	1,087	1,039	976
524126	Direct Property and Casualty Insurance Carriers	Traded	Insurance Services	1,537	1,467	1,228	965	583	570	464
524127	Direct Title Insurance Carriers	Traded	Insurance Services	76	79	104	149	142	152	129
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	Traded	Insurance Services	0	0	0	0	0	35	66
524130	Reinsurance Carriers	Traded	Insurance Services	20	32	8	0	0	0	0
524210	Insurance Agencies and Brokerages	Local	Local Financial Services	2,156	2,292	2,425	2,386	2,493	2,740	2,948
524291	Claims Adjusting	Traded	Insurance Services	97	116	121	125	111	98	90
524292	Third Party Administration of Insurance and Pension Funds	Local	Local Financial Services	140	162	154	110	139	140	146
524298	All Other Insurance Related Activities	Traded	Insurance Services	92	124	165	165	168	136	185
525910	Open-End Investment Funds	Traded	Financial Services	0	0	0	1	0	0	0
525990	Other Financial Vehicles	Traded	Financial Services	15	37	8	8	9	11	15
531110	Lessors of Residential Buildings and Dwellings	Local	Local Real Estate, Construction, and Development	545	498	482	499	425	445	612
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	Local	Local Real Estate, Construction, and Development	248	233	239	213	327	306	284
531130	Lessors of Miniwarehouses and Self-Storage Units	Local	Local Logistical Services	136	121	118	125	124	120	118
531190	Lessors of Other Real Estate Property	Local	Local Real Estate, Construction, and Development	184	183	174	175	174	178	170
531210	Offices of Real Estate Agents and Brokers	Local	Local Real Estate, Construction, and Development	1,312	1,281	1,203	1,220	1,237	1,285	1,304
531311	Residential Property Managers	Local	Local Real Estate, Construction, and Development	690	684	704	750	795	901	873
531312	Nonresidential Property Managers	Local	Local Real Estate, Construction, and Development	197	205	201	232	234	224	207

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
531320	Offices of Real Estate Appraisers	Local	Local Real Estate, Construction, and Development	497	578	597	96	90	84	78
531390	Other Activities Related to Real Estate	Local	Local Real Estate, Construction, and Development	467	354	770	776	795	804	330
532111	Passenger Car Rental	Local	Local Logistical Services	167	174	181	223	252	274	385
532112	Passenger Car Leasing	Traded	Business Services	14	9	6	5	5	5	6
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	Local	Local Logistical Services	86	90	87	88	94	109	114
532210	Consumer Electronics and Appliances Rental	Local	Local Industrial Products and Services	7	4	4	2	4	5	4
532220	Formal Wear and Costume Rental	Local	Local Personal Services (Non-Medical)	8	9	10	9	9	14	16
532230	Video Tape and Disc Rental	Local	Local Entertainment and Media	247	178	142	89	63	19	19
532291	Home Health Equipment Rental	Local	Local Health Services	38	42	35	32	30	28	27
532292	Recreational Goods Rental	Traded	Hospitality and Tourism	138	60	59	66	82	93	103
532299	All Other Consumer Goods Rental	Local	Local Personal Services (Non-Medical)	167	182	182	193	196	229	227
532310	General Rental Centers	Local	Local Industrial Products and Services	99	89	87	92	92	82	77
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	64	46	46	38	31	31	28
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	330	285	313	292	307	306	270
532420	Office Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	15	15	12	16	16	16	15
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	177	191	204	245	224	220	230
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	Traded	Business Services	11	10	9	7	7	9	9
541110	Offices of Lawyers	Local	Local Commercial Services	2,019	1,989	1,986	2,019	2,176	2,220	2,125
541191	Title Abstract and Settlement Offices	Local	Local Real Estate, Construction, and Development	42	35	32	33	35	39	32
541199	All Other Legal Services	Traded	Business Services	29	38	35	20	25	22	32
541211	Offices of Certified Public Accountants	Local	Local Commercial Services	591	610	602	576	585	568	566
541213	Tax Preparation Services	Local	Local Financial Services	377	359	388	389	359	376	382
541214	Payroll Services	Traded	Business Services	103	108	63	49	62	63	72
541219	Other Accounting Services	Local	Local Commercial Services	1,261	1,121	1,119	1,089	1,033	1,004	1,012
541310	Architectural Services	Traded	Business Services	291	269	248	230	227	235	223
541320	Landscape Architectural Services	Traded	Business Services	139	145	110	113	122	124	136
541330	Engineering Services	Traded	Business Services	3,877	3,637	3,443	3,463	3,435	3,264	3,275
541340	Drafting Services	Traded	Business Services	45	42	36	34	37	36	36
541350	Building Inspection Services	Local	Local Commercial Services	70	64	69	67	67	70	63
541360	Geophysical Surveying and Mapping Services Surveying and Mapping (except Geophysical)	Traded	Oil and Gas Production and Transportation	17	13	11	12	11	7	7
541370	Services	Local	Local Real Estate, Construction, and Development	83	70	65	60	69	86	99
541380	Testing Laboratories	Local	Local Commercial Services	339	346	356	355	318	299	296
541410	Interior Design Services	Traded	Marketing, Design, and Publishing	188	148	145	152	167	177	210
541420	Industrial Design Services	Traded	Marketing, Design, and Publishing	108	110	130	146	149	145	144
541430	Graphic Design Services	Traded	Marketing, Design, and Publishing	267	241	222	228	240	228	221
541490	Other Specialized Design Services	Traded	Marketing, Design, and Publishing	30	26	36	35	27	26	26

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
541511	Custom Computer Programming Services	Traded	Business Services	1,740	1,781	1,687	1,486	1,641	1,663	1,772
541512	Computer Systems Design Services	Traded	Business Services	916	950	1,056	1,347	1,310	1,320	1,382
541513	Computer Facilities Management Services	Traded	Business Services	179	169	161	248	280	230	231
541519	Other Computer Related Services	Traded	Business Services	115	122	292	253	96	93	86
	Administrative Management and General									
541611	Management Consulting Services	Traded	Business Services	1,093	728	795	863	924	1,034	1,180
541612	Human Resources Consulting Services	Traded	Business Services	172	134	159	111	122	107	101
541613	Marketing Consulting Services	Traded	Marketing, Design, and Publishing	233	264	284	279	315	329	399
	Process, Physical Distribution, and Logistics									
541614	Consulting Services	Traded	Business Services	194	228	213	160	153	205	228
541618	Other Management Consulting Services	Traded	Business Services	173	163	165	153	152	131	140
541620	Environmental Consulting Services	Local	Local Commercial Services	298	315	346	347	386	373	375
541690	Other Scientific and Technical Consulting Services	Traded	Business Services	1,303	1,350	1,442	1,746	1,788	1,757	1,342
541711	Research and Development in Biotechnology	Traded	Education and Knowledge Creation	302	338	278	316	319	333	307
	Research and Development in the Physical, Engineering, and Life Sciences (except									
541712	Biotechnology)	Traded	Education and Knowledge Creation	792	580	722	667	659	430	340
	Research and Development in the Social Sciences									
541720	and Humanities	Traded	Education and Knowledge Creation	34	83	50	41	25	27	29
541810	Advertising Agencies	Traded	Marketing, Design, and Publishing	213	204	217	178	187	204	184
541820	Public Relations Agencies	Traded	Marketing, Design, and Publishing	50	86	60	92	71	75	82
541830	Media Buying Agencies	Traded	Marketing, Design, and Publishing	9	8	4	4	6	5	6
541840	Media Representatives	Traded	Marketing, Design, and Publishing	48	60	53	43	27	24	26
541850	Outdoor Advertising	Traded	Marketing, Design, and Publishing	27	27	35	40	54	38	41
541860	Direct Mail Advertising	Traded	Marketing, Design, and Publishing	50	44	56	104	96	70	65
541870	Advertising Material Distribution Services	Traded	Marketing, Design, and Publishing	50	43	20	12	33	21	16
541890	Other Services Related to Advertising	Traded	Marketing, Design, and Publishing	314	278	248	247	263	310	283
541910	Marketing Research and Public Opinion Polling	Traded	Marketing, Design, and Publishing	907	847	394	421	425	425	428
541921	Photography Studios, Portrait	Local	Local Personal Services (Non-Medical)	256	270	311	332	340	315	302
541922	Commercial Photography	Local	Local Commercial Services	47	47	50	50	50	58	65
541930	Translation and Interpretation Services	Traded	Business Services	91	75	75	95	98	97	100
541940	Veterinary Services	Local	Local Personal Services (Non-Medical)	899	882	891	957	1,041	1,037	1,082
	All Other Professional, Scientific, and Technical									
541990	Services	Traded	Business Services	1,280	1,276	1,226	1,233	1,236	1,241	1,230
551111	Offices of Bank Holding Companies	Traded	Business Services	22	75	0	0	0	11	15
551112	Offices of Other Holding Companies	Traded	Business Services	236	239	77	74	58	80	107
	Corporate, Subsidiary, and Regional Managing									
551114	Offices	Traded	Business Services	4,053	2,461	2,571	2,234	1,870	1,679	1,823
561110	Office Administrative Services	Local	Local Commercial Services	1,333	1,307	1,287	1,458	1,704	1,688	1,747
561210	Facilities Support Services	Traded	Business Services	45	46	38	33	59	48	53
561311	Employment Placement Agencies	Traded	Business Services	283	655	794	1,072	1,258	827	776
561312	Executive Search Services	Traded	Business Services	55	55	54	51	62	78	105
561320	Temporary Help Services	Local	Local Commercial Services	4,886	6,533	5,331	5,954	6,599	6,156	5,747
561330	Professional Employer Organizations	Traded	Business Services	1,924	321	252	281	377	338	302

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
561410	Document Preparation Services	Local	Local Commercial Services	122	130	134	144	145	131	124
561421	Telephone Answering Services	Traded	Business Services	152	120	91	71	92	106	170
561422	Telemarketing Bureaus and Other Contact Centers	Traded	Business Services	162	224	229	298	333	340	298
561431	Private Mail Centers	Local	Local Commercial Services	113	95	68	70	67	66	69
561439	Other Business Service Centers (including Copy Shops)	Local	Local Commercial Services	274	230	209	237	212	201	223
561440	Collection Agencies	Local	Local Financial Services	625	725	699	655	620	594	471
561450	Credit Bureaus	Traded	Financial Services	28	35	26	25	17	15	12
561491	Repossession Services	Local	Local Commercial Services	126	115	109	107	92	80	107
561492	Court Reporting and Stenotype Services	Local	Local Commercial Services	84	90	90	83	69	84	66
561499	All Other Business Support Services	Traded	Distribution and Electronic Commerce	123	154	174	176	191	120	191
561510	Travel Agencies	Traded	Hospitality and Tourism	207	175	199	199	164	197	186
561520	Tour Operators	Traded	Hospitality and Tourism	201	208	249	250	249	260	260
561591	Convention and Visitors Bureaus	Traded	Hospitality and Tourism	60	63	25	32	31	45	51
561599	All Other Travel Arrangement and Reservation Services	Traded	Hospitality and Tourism	99	104	122	113	102	117	130
561611	Investigation Services	Local	Local Commercial Services	80	88	77	72	66	64	58
561612	Security Guards and Patrol Services	Local	Local Commercial Services	399	680	689	670	408	418	655
561613	Armored Car Services	Local	Local Commercial Services	24	1	3	5	7	22	24
561621	Security Systems Services (except Locksmiths)	Local	Local Commercial Services	349	294	294	286	253	247	247
561622	Locksmiths	Local	Local Commercial Services	43	38	38	46	50	54	52
561710	Exterminating and Pest Control Services	Local	Local Commercial Services	386	389	383	376	384	409	437
561720	Janitorial Services	Local	Local Commercial Services	1,824	1,806	1,836	1,816	1,727	1,681	1,666
561730	Landscaping Services	Local	Local Household Goods and Services	3,000	2,942	2,863	2,903	2,984	3,088	3,195
561740	Carpet and Upholstery Cleaning Services	Local	Local Household Goods and Services	142	156	147	181	161	155	151
561790	Other Services to Buildings and Dwellings	Local	Local Commercial Services	685	804	843	904	918	890	933
561910	Packaging and Labeling Services	Traded	Distribution and Electronic Commerce	105	115	131	201	209	209	165
561920	Convention and Trade Show Organizers	Traded	Business Services	39	42	36	60	57	59	60
561990	All Other Support Services	Local	Local Commercial Services	243	278	293	354	415	406	282
562111	Solid Waste Collection	Local	Local Logistical Services	337	316	308	313	317	337	333
562112	Hazardous Waste Collection	Traded	Environmental Services	5	4	9	5	9	9	13
562119	Other Waste Collection	Traded	Environmental Services	4	4	6	13	11	19	17
562211	Hazardous Waste Treatment and Disposal	Traded	Environmental Services	0	0	0	24	43	56	39
562212	Solid Waste Landfill	Local	Local Utilities	118	90	91	141	125	38	4
562213	Solid Waste Combustors and Incinerators	Traded	Environmental Services	81	161	73	78	52	74	9
562219	Other Nonhazardous Waste Treatment and Disposal	Traded	Environmental Services	91	35	110	26	55	123	26
562910	Remediation Services	Local	Local Utilities	144	110	136	118	100	113	131
562920	Materials Recovery Facilities	Traded	Environmental Services	3	3	11	15	22	24	22
562991	Septic Tank and Related Services	Local	Local Real Estate, Construction, and Development	65	49	42	44	50	52	42
562998	All Other Miscellaneous Waste Management Services	Traded	Environmental Services	3	1	1	1	1	1	1
611110	Elementary and Secondary Schools	Local	Local Education and Training	18,908	17,778	17,508	17,834	18,080	18,335	18,789
611210	Junior Colleges	Traded	Education and Knowledge Creation	1,927	1,817	1,728	1,612	1,560	1,631	1,733

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
611310	Colleges, Universities, and Professional Schools	Traded	Education and Knowledge Creation	1,988	2,273	2,242	2,560	2,651	2,772	2,863
611410	Business and Secretarial Schools	Traded	Education and Knowledge Creation	2	2	4	11	3	1	1
611420	Computer Training	Traded	Education and Knowledge Creation	38	35	25	32	33	23	24
	Professional and Management Development									
611430	Training	Traded	Education and Knowledge Creation	111	120	141	150	111	103	99
611511	Cosmetology and Barber Schools	Local	Local Personal Services (Non-Medical)	27	29	32	35	29	49	48
611512	Flight Training	Traded	Education and Knowledge Creation	35	37	37	39	45	54	51
611513	Apprenticeship Training	Traded	Education and Knowledge Creation	71	81	72	62	143	214	168
611519	Other Technical and Trade Schools	Local	Local Education and Training	143	142	131	128	141	95	102
611610	Fine Arts Schools	Local	Local Education and Training	241	234	243	271	268	285	293
611620	Sports and Recreation Instruction	Local	Local Hospitality Establishments	287	270	293	300	317	356	367
611630	Language Schools	Traded	Education and Knowledge Creation	21	31	39	35	39	44	32
611691	Exam Preparation and Tutoring	Traded	Education and Knowledge Creation	233	268	245	270	259	274	273
611692	Automobile Driving Schools	Local	Local Education and Training	67	62	49	55	60	58	69
611699	All Other Miscellaneous Schools and Instruction	Traded	Education and Knowledge Creation	112	134	125	178	211	244	230
611710	Educational Support Services	Traded	Education and Knowledge Creation	369	341	429	498	373	369	442
621111	Offices of Physicians (except Mental Health Specialists)	Local	Local Health Services	5,740	5,864	6,105	6,268	6,297	6,294	6,334
621112	Offices of Physicians, Mental Health Specialists	Local	Local Health Services	133	139	122	106	109	111	115
621210	Offices of Dentists	Local	Local Health Services	2,619	2,602	2,662	2,644	2,716	2,755	2,813
621310	Offices of Chiropractors	Local	Local Health Services	357	356	327	323	331	345	365
621320	Offices of Optometrists	Local	Local Health Services	313	320	362	351	342	344	356
621330	Offices of Mental Health Practitioners (except Physicians)	Local	Local Health Services	263	249	254	234	239	253	283
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	Local	Local Health Services	1,093	1,124	1,151	1,212	1,250	1,017	1,128
621391	Offices of Podiatrists	Local	Local Health Services	58	59	59	57	54	56	59
621399	Offices of All Other Miscellaneous Health Practitioners	Local	Local Health Services	295	322	277	292	286	320	303
621410	Family Planning Centers	Local	Local Health Services	61	76	75	95	62	57	63
621420	Outpatient Mental Health and Substance Abuse Centers	Local	Local Health Services	146	143	158	182	183	217	170
621491	HMO Medical Centers	Local	Local Health Services	0	12	10	29	36	128	148
621492	Kidney Dialysis Centers	Local	Local Health Services	280	276	266	273	257	299	305
621493	Freestanding Ambulatory Surgical and Emergency Centers	Local	Local Health Services	163	141	226	214	204	181	166
621498	All Other Outpatient Care Centers	Local	Local Health Services	214	283	241	255	269	387	457
621511	Medical Laboratories	Local	Local Health Services	167	94	84	132	164	161	159
621512	Diagnostic Imaging Centers	Local	Local Health Services	252	297	309	344	319	323	324
621610	Home Health Care Services	Local	Local Health Services	2,271	2,144	2,319	2,553	2,801	2,914	2,928
621910	Ambulance Services	Local	Local Logistical Services	287	251	241	273	268	286	288
621991	Blood and Organ Banks	Local	Local Health Services	91	83	86	104	102	88	78
621999	All Other Miscellaneous Ambulatory Health Care Services	Local	Local Health Services	66	72	91	98	82	60	72

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
622110	General Medical and Surgical Hospitals	Local	Local Health Services	7,802	7,955	7,966	8,038	8,161	8,220	8,573
622210	Psychiatric and Substance Abuse Hospitals	Local	Local Health Services	272	266	296	347	300	270	223
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	Local	Local Health Services	1	1	1	0	1	1	1
623110	Nursing Care Facilities (Skilled Nursing Facilities)	Local	Local Health Services	1,727	1,847	1,892	1,889	2,049	2,068	1,971
623210	Residential Intellectual and Developmental Disability Facilities	Local	Local Health Services	447	438	461	468	460	468	505
623220	Residential Mental Health and Substance Abuse Facilities	Local	Local Health Services	71	76	116	160	176	206	274
623311	Continuing Care Retirement Communities	Local	Local Health Services	561	744	669	659	728	758	506
623312	Assisted Living Facilities for the Elderly	Local	Local Health Services	752	838	803	970	1,072	1,115	1,317
623990	Other Residential Care Facilities	Local	Local Health Services	111	99	104	102	125	121	145
624110	Child and Youth Services	Local	Local Community and Civic Organizations	278	300	270	276	247	354	363
624120	Services for the Elderly and Persons with Disabilities	Local	Local Community and Civic Organizations	657	898	1,295	1,808	4,596	5,654	6,285
624190	Other Individual and Family Services	Local	Local Community and Civic Organizations	569	474	479	530	739	867	871
624210	Community Food Services	Local	Local Community and Civic Organizations	99	94	105	106	115	121	100
624221	Temporary Shelters	Local	Local Community and Civic Organizations	437	436	445	462	461	344	297
624229	Other Community Housing Services	Local	Local Community and Civic Organizations	61	59	66	72	78	88	68
624230	Emergency and Other Relief Services	Local	Local Community and Civic Organizations	26	25	14	14	20	15	27
624310	Vocational Rehabilitation Services	Local	Local Education and Training	730	817	538	529	502	544	557
624410	Child Day Care Services	Local	Local Personal Services (Non-Medical)	2,437	2,423	2,269	2,063	2,028	1,973	2,014
711110	Theater Companies and Dinner Theaters	Traded	Performing Arts	92	71	59	61	60	64	65
711120	Dance Companies	Traded	Performing Arts	5	4	4	3	7	7	5
711130	Musical Groups and Artists	Traded	Performing Arts	123	105	92	98	99	118	122
711190	Other Performing Arts Companies	Traded	Performing Arts	3	3	3	3	4	4	4
711211	Sports Teams and Clubs	Traded	Hospitality and Tourism	12	17	19	37	24	21	27
711212	Racetracks	Traded	Hospitality and Tourism	53	42	35	27	50	51	38
711219	Other Spectator Sports	Traded	Hospitality and Tourism	118	112	120	121	126	115	118
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	Traded	Performing Arts	39	26	28	29	20	59	57
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	Traded	Performing Arts	53	37	34	39	44	51	52
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	Traded	Performing Arts	75	72	76	79	79	79	80
711510	Independent Artists, Writers, and Performers	Traded	Performing Arts	1,036	1,032	1,053	1,096	1,036	1,033	1,034
712110	Museums	Traded	Hospitality and Tourism	44	47	48	54	52	52	47
712120	Historical Sites	Traded	Hospitality and Tourism	19	17	13	2	8	11	8
712130	Zoos and Botanical Gardens	Traded	Hospitality and Tourism	5	8	7	5	9	9	9
712190	Nature Parks and Other Similar Institutions	Traded	Hospitality and Tourism	184	191	196	194	178	174	167
713110	Amusement and Theme Parks	Traded	Hospitality and Tourism	2	35	1	0	0	0	0
713120	Amusement Arcades	Traded	Hospitality and Tourism	17	36	35	30	48	51	66
713210	Casinos (except Casino Hotels)	Traded	Hospitality and Tourism	48	16	87	146	139	150	127
713290	Other Gambling Industries	Traded	Hospitality and Tourism	2	2	3	3	3	2	2
713910	Golf Courses and Country Clubs	Local	Local Hospitality Establishments	1,534	1,371	1,331	1,342	1,335	1,170	1,215

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
713920	Skiing Facilities	Traded	Hospitality and Tourism	0	0	0	0	0	0	0
713930	Marinas	Traded	Hospitality and Tourism	93	84	83	96	90	82	83
713940	Fitness and Recreational Sports Centers	Local	Local Hospitality Establishments	2,236	2,326	2,333	2,485	2,692	2,696	2,770
713950	Bowling Centers	Local	Local Hospitality Establishments	194	186	174	173	161	214	198
713990	All Other Amusement and Recreation Industries	Traded	Hospitality and Tourism	853	841	858	862	905	949	962
721110	Hotels (except Casino Hotels) and Motels	Traded	Hospitality and Tourism	2,565	2,442	2,408	2,537	2,588	2,546	2,551
721120	Casino Hotels	Traded	Hospitality and Tourism	0	0	0	0	0	0	0
721191	Bed-and-Breakfast Inns	Traded	Hospitality and Tourism	27	29	34	37	36	39	31
721199	All Other Traveler Accommodation	Traded	Hospitality and Tourism	2	2	1	2	2	2	2
721211	RV (Recreational Vehicle) Parks and Campgrounds	Traded	Hospitality and Tourism	27	31	30	40	46	39	32
721214	Recreational and Vacation Camps (except Campgrounds)	Traded	Hospitality and Tourism	6	1	2	1	1	14	10
721310	Rooming and Boarding Houses	Traded	Hospitality and Tourism	27	28	29	33	38	41	37
722310	Food Service Contractors	Local	Local Hospitality Establishments	450	570	590	654	714	675	651
722320	Caterers	Local	Local Hospitality Establishments	443	576	659	783	857	870	940
722330	Mobile Food Services	Local	Local Food and Beverage Processing and Distribution	27	31	35	43	46	55	56
722410	Drinking Places (Alcoholic Beverages)	Local	Local Hospitality Establishments	224	223	219	213	194	282	323
722511	Full-Service Restaurants	Local	Local Hospitality Establishments	10,827	10,821	11,230	11,526	11,924	12,339	12,429
722513	Limited-Service Restaurants	Local	Local Hospitality Establishments	9,098	9,906	10,588	11,302	10,751	11,299	11,820
722514	Cafeterias, Grill Buffets, and Buffets	Local	Local Hospitality Establishments	192	231	222	219	222	228	219
722515	Snack and Nonalcoholic Beverage Bars	Local	Local Hospitality Establishments	1,687	1,586	1,602	1,642	1,786	2,071	2,137
811111	General Automotive Repair	Local	Local Motor Vehicle Products and Services	790	797	809	819	802	848	826
811112	Automotive Exhaust System Repair	Local	Local Motor Vehicle Products and Services	30	17	19	20	20	20	21
811113	Automotive Transmission Repair	Local	Local Motor Vehicle Products and Services	66	71	71	65	63	59	58
811118	Other Automotive Mechanical and Electrical Repair and Maintenance	Local	Local Motor Vehicle Products and Services	83	86	73	64	67	64	67
811121	Automotive Body, Paint, and Interior Repair and Maintenance	Local	Local Motor Vehicle Products and Services	641	642	603	625	613	634	657
811122	Automotive Glass Replacement Shops	Local	Local Motor Vehicle Products and Services	36	32	24	25	26	28	27
811191	Automotive Oil Change and Lubrication Shops	Local	Local Motor Vehicle Products and Services	190	167	167	150	137	146	153
811192	Car Washes	Local	Local Motor Vehicle Products and Services	459	557	567	578	563	721	617
811198	All Other Automotive Repair and Maintenance	Local	Local Motor Vehicle Products and Services	175	172	182	207	227	215	179
811211	Consumer Electronics Repair and Maintenance	Local	Local Household Goods and Services	16	11	9	70	84	96	118
811212	Computer and Office Machine Repair and Maintenance	Local	Local Commercial Services	306	295	297	269	288	269	273
811213	Communication Equipment Repair and Maintenance	Local	Local Household Goods and Services	21	22	16	47	25	16	11
811219	Other Electronic and Precision Equipment Repair and Maintenance	Local	Local Industrial Products and Services	85	74	82	80	79	76	61
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Local	Local Commercial Services	287	299	310	305	328	278	308

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
	Home and Garden Equipment Repair and Maintenance									
811411	Maintenance	Local	Local Commercial Services	18	18	18	18	19	18	18
811412	Appliance Repair and Maintenance	Local	Local Commercial Services	55	59	66	64	66	63	64
811420	Reupholstery and Furniture Repair	Local	Local Household Goods and Services	39	35	30	27	26	26	25
811430	Footwear and Leather Goods Repair	Local	Local Personal Services (Non-Medical)	8	6	7	6	6	5	6
	Other Personal and Household Goods Repair and Maintenance									
811490	Maintenance	Local	Local Personal Services (Non-Medical)	303	304	297	326	331	331	320
812111	Barber Shops	Local	Local Personal Services (Non-Medical)	44	41	46	49	53	60	60
812112	Beauty Salons	Local	Local Personal Services (Non-Medical)	1,283	1,235	1,214	1,263	1,208	1,244	1,269
812113	Nail Salons	Local	Local Personal Services (Non-Medical)	302	301	305	353	378	404	407
812191	Diet and Weight Reducing Centers	Local	Local Personal Services (Non-Medical)	113	108	114	115	106	98	90
812199	Other Personal Care Services	Local	Local Personal Services (Non-Medical)	357	304	353	430	532	539	523
812210	Funeral Homes and Funeral Services	Local	Local Health Services	152	149	141	148	129	118	135
812220	Cemeteries and Crematories	Local	Local Health Services	41	38	36	33	79	87	91
812310	Coin-Operated Laundries and Drycleaners	Local	Local Personal Services (Non-Medical)	103	96	98	99	97	90	90
	Drycleaning and Laundry Services (except Coin-Operated)									
812320	Operated)	Local	Local Commercial Services	302	300	312	335	312	304	302
812331	Linen Supply	Local	Local Commercial Services	112	99	79	73	65	66	60
812332	Industrial Launderers	Local	Local Commercial Services	66	63	77	61	57	59	60
812910	Pet Care (except Veterinary) Services	Local	Local Personal Services (Non-Medical)	175	202	235	272	220	254	265
812921	Photofinishing Laboratories (except One-Hour)	Local	Local Personal Services (Non-Medical)	23	22	16	21	33	29	43
812922	One-Hour Photofinishing	Local	Local Personal Services (Non-Medical)	5	5	4	3	3	4	4
812930	Parking Lots and Garages	Local	Local Motor Vehicle Products and Services	46	44	55	67	84	83	82
812990	All Other Personal Services	Local	Local Personal Services (Non-Medical)	1,022	1,046	1,046	1,071	1,075	1,065	1,042
813110	Religious Organizations	Local	Local Community and Civic Organizations	2,951	2,865	2,772	2,827	2,755	2,830	2,821
813211	Grantmaking Foundations	Local	Local Community and Civic Organizations	142	74	90	86	96	128	117
813212	Voluntary Health Organizations	Local	Local Community and Civic Organizations	25	19	15	15	14	16	16
813219	Other Grantmaking and Giving Services	Local	Local Community and Civic Organizations	108	93	100	81	90	75	62
813311	Human Rights Organizations	Local	Local Community and Civic Organizations	209	196	157	170	165	167	142
	Environment, Conservation and Wildlife Organizations									
813312	Organizations	Local	Local Community and Civic Organizations	59	58	60	83	96	122	129
813319	Other Social Advocacy Organizations	Local	Local Community and Civic Organizations	90	69	87	95	138	162	122
813410	Civic and Social Organizations	Local	Local Community and Civic Organizations	1,001	892	867	884	856	835	835
813910	Business Associations	Local	Local Community and Civic Organizations	96	102	106	99	111	120	94
813920	Professional Organizations	Traded	Education and Knowledge Creation	48	27	33	31	29	26	27
813930	Labor Unions and Similar Labor Organizations	Local	Local Community and Civic Organizations	144	128	92	169	179	171	88
813940	Political Organizations	Local	Local Community and Civic Organizations	21	1	1	1	1	1	1
	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)									
813990	Professional, Labor, and Political Organizations)	Local	Local Community and Civic Organizations	296	291	289	286	273	244	235
<i>Total Cluster Employment</i>				<i>289,697</i>	<i>287,561</i>	<i>286,553</i>	<i>292,826</i>	<i>298,777</i>	<i>303,380</i>	<i>304,337</i>
<u><i>Non-Cluster NAICS Employment</i></u>										
111-112	Agriculture			17,905	17,433	18,880	19,961	20,718	20,137	20,438

NAICS 2012	Industry Description	Cluster Type	Cluster	2009	2010	2011	2012	2013	2014	2015
814-999	Private HHs/Gov't/Unclassified			18,383	18,304	18,435	18,474	15,976	15,913	16,780
482110	Rail Transportation (non-covered)			62	61	56	58	63	64	66
482111	Line-Haul Railroads			0	0	0	0	0	0	0
482112	Short Line Railroads			0	0	0	0	0	0	0
491110	Postal Service			1,246	1,149	1,082	923	906	910	903
525110	Pension Funds			37	20	33	30	0	0	0
525120	Health and Welfare Funds			8	17	3	7	0	0	0
525190	Other Insurance Funds			0	4	2	2	0	0	0
525920	Trusts, Estates, and Agency Accounts			6	7	7	6	2	11	5
541120	Offices of Notaries			0	0	0	0	0	0	0
<i>Total Non-Cluster Employment</i>				<i>37,646</i>	<i>36,996</i>	<i>38,498</i>	<i>39,460</i>	<i>37,665</i>	<i>37,036</i>	<i>38,191</i>
Total Employment				327,343	324,557	325,052	332,286	336,441	340,416	342,528

Notes: NAICS = North American Industrial Classification System.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX E

Cluster Average Annual Wages by Component Industries, 2016 Ventura County

APPENDIX E

Cluster Average Annual Wages by Component Industries, 2016

Venutura County

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
113110	Timber Tract Operations	Traded	Forestry	\$34,367
113210	Forest Nurseries and Gathering of Forest Products	Traded	Forestry	\$30,761
113310	Logging	Traded	Forestry	\$34,367
114111	Finfish Fishing	Traded	Fishing and Fishing Products	\$53,178
114112	Shellfish Fishing	Traded	Fishing and Fishing Products	\$59,754
114119	Other Marine Fishing	Traded	Fishing and Fishing Products	\$56,967
114210	Hunting and Trapping	Traded	Hospitality and Tourism	\$34,177
115111	Cotton Ginning	Traded	Agricultural Inputs and Services	\$37,715
115112	Soil Preparation, Planting, and Cultivating	Traded	Agricultural Inputs and Services	\$38,805
115113	Crop Harvesting, Primarily by Machine	Traded	Agricultural Inputs and Services	\$36,702
115114	Postharvest Crop Activities (except Cotton Ginning)	Traded	Agricultural Inputs and Services	\$47,672
115115	Farm Labor Contractors and Crew Leaders	Traded	Agricultural Inputs and Services	\$31,843
115116	Farm Management Services	Traded	Agricultural Inputs and Services	\$25,223
115210	Support Activities for Animal Production	Traded	Agricultural Inputs and Services	\$37,642
115310	Support Activities for Forestry	Traded	Forestry	\$66,508
211111	Crude Petroleum and Natural Gas Extraction	Traded	Oil and Gas Production and Transportation	\$114,957
211112	Natural Gas Liquid Extraction	Traded	Oil and Gas Production and Transportation	\$25,012
212111	Bituminous Coal and Lignite Surface Mining	Traded	Coal Mining	--
212112	Bituminous Coal Underground Mining	Traded	Coal Mining	--
212113	Anthracite Mining	Traded	Coal Mining	--
212210	Iron Ore Mining	Traded	Metal Mining	--
212221	Gold Ore Mining	Traded	Metal Mining	\$77,294
212222	Silver Ore Mining	Traded	Metal Mining	--
212231	Lead Ore and Zinc Ore Mining	Traded	Metal Mining	--
212234	Copper Ore and Nickel Ore Mining	Traded	Metal Mining	--
212291	Uranium-Radium-Vanadium Ore Mining	Traded	Metal Mining	--
212299	All Other Metal Ore Mining	Traded	Metal Mining	--
212311	Dimension Stone Mining and Quarrying	Traded	Nonmetal Mining	\$38,788
212312	Crushed and Broken Limestone Mining and Quarrying	Traded	Nonmetal Mining	--
212313	Crushed and Broken Granite Mining and Quarrying	Traded	Nonmetal Mining	--
212319	Other Crushed and Broken Stone Mining and Quarrying	Traded	Nonmetal Mining	--
212321	Construction Sand and Gravel Mining	Traded	Nonmetal Mining	\$61,953
212322	Industrial Sand Mining	Traded	Nonmetal Mining	--
212324	Kaolin and Ball Clay Mining	Traded	Nonmetal Mining	--
212325	Clay and Ceramic and Refractory Minerals Mining	Traded	Nonmetal Mining	--
212391	Potash, Soda, and Borate Mineral Mining	Traded	Nonmetal Mining	--
212392	Phosphate Rock Mining	Traded	Nonmetal Mining	--
212393	Other Chemical and Fertilizer Mineral Mining	Traded	Nonmetal Mining	--
212399	All Other Nonmetallic Mineral Mining	Traded	Nonmetal Mining	--
213111	Drilling Oil and Gas Wells	Traded	Oil and Gas Production and Transportation	\$79,636
213112	Support Activities for Oil and Gas Operations	Traded	Oil and Gas Production and Transportation	\$83,090
213113	Support Activities for Coal Mining	Traded	Coal Mining	--

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
213114	Support Activities for Metal Mining	Traded	Metal Mining	--
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining	Traded	Nonmetal Mining	--
221111	Hydroelectric Power Generation	Traded	Electric Power Generation and Transmission	\$89,663
221112	Fossil Fuel Electric Power Generation	Traded	Electric Power Generation and Transmission	\$124,917
221113	Nuclear Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221114	Solar Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221115	Wind Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221116	Geothermal Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221117	Biomass Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221118	Other Electric Power Generation	Traded	Electric Power Generation and Transmission	--
221121	Electric Bulk Power Transmission and Control	Traded	Electric Power Generation and Transmission	--
221122	Electric Power Distribution	Local	Local Utilities	\$109,717
221210	Natural Gas Distribution	Local	Local Utilities	\$121,003
221310	Water Supply and Irrigation Systems	Traded	Construction Products and Services	\$69,430
221320	Sewage Treatment Facilities	Local	Local Utilities	\$64,276
221330	Steam and Air-Conditioning Supply	Traded	Construction Products and Services	\$92,880
236115	New Single-Family Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	\$54,848
236116	New Multifamily Housing Construction (except For-Sale Builders)	Local	Local Real Estate, Construction, and Development	\$68,061
236117	New Housing For-Sale Builders	Local	Local Real Estate, Construction, and Development	\$47,929
236118	Residential Remodelers	Local	Local Real Estate, Construction, and Development	\$51,099
236210	Industrial Building Construction	Traded	Construction Products and Services	\$49,734
236220	Commercial and Institutional Building Construction	Local	Local Real Estate, Construction, and Development	\$69,101
237110	Water and Sewer Line and Related Structures Construction	Local	Local Real Estate, Construction, and Development	\$70,008
237120	Oil and Gas Pipeline and Related Structures Construction	Traded	Construction Products and Services	\$55,015
237130	Power and Communication Line and Related Structures Construction	Traded	Construction Products and Services	\$60,095
237210	Land Subdivision	Local	Local Real Estate, Construction, and Development	\$330,273
237310	Highway, Street, and Bridge Construction	Local	Local Real Estate, Construction, and Development	\$70,453
237990	Other Heavy and Civil Engineering Construction	Traded	Construction Products and Services	\$80,911
238110	Poured Concrete Foundation and Structure Contractors	Local	Local Real Estate, Construction, and Development	\$47,403
238120	Structural Steel and Precast Concrete Contractors	Local	Local Real Estate, Construction, and Development	\$47,167
238130	Framing Contractors	Local	Local Real Estate, Construction, and Development	\$55,000
238140	Masonry Contractors	Local	Local Real Estate, Construction, and Development	\$41,544
238150	Glass and Glazing Contractors	Local	Local Real Estate, Construction, and Development	\$51,987
238160	Roofing Contractors	Local	Local Real Estate, Construction, and Development	\$45,137
238170	Siding Contractors	Local	Local Real Estate, Construction, and Development	\$43,559
238190	Other Foundation, Structure, and Building Exterior Contractors	Local	Local Real Estate, Construction, and Development	\$46,257
238210	Electrical Contractors and Other Wiring Installation Contractors	Local	Local Real Estate, Construction, and Development	\$56,690
238220	Plumbing, Heating, and Air-Conditioning Contractors	Local	Local Real Estate, Construction, and Development	\$57,595
238290	Other Building Equipment Contractors	Local	Local Real Estate, Construction, and Development	\$113,977
238310	Drywall and Insulation Contractors	Local	Local Real Estate, Construction, and Development	\$40,254
238320	Painting and Wall Covering Contractors	Local	Local Real Estate, Construction, and Development	\$36,010
238330	Flooring Contractors	Local	Local Real Estate, Construction, and Development	\$35,334
238340	Tile and Terrazzo Contractors	Local	Local Real Estate, Construction, and Development	\$38,906
238350	Finish Carpentry Contractors	Local	Local Real Estate, Construction, and Development	\$41,374
238390	Other Building Finishing Contractors	Local	Local Real Estate, Construction, and Development	\$47,781
238910	Site Preparation Contractors	Local	Local Real Estate, Construction, and Development	\$66,028
238990	All Other Specialty Trade Contractors	Local	Local Real Estate, Construction, and Development	\$53,136

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
311111	Dog and Cat Food Manufacturing	Traded	Food Processing and Manufacturing	\$105,405
311119	Other Animal Food Manufacturing	Traded	Food Processing and Manufacturing	\$19,347
311211	Flour Milling	Traded	Food Processing and Manufacturing	--
311212	Rice Milling	Traded	Food Processing and Manufacturing	--
311213	Malt Manufacturing	Traded	Food Processing and Manufacturing	--
311221	Wet Corn Milling	Traded	Food Processing and Manufacturing	--
311224	Soybean and Other Oilseed Processing	Traded	Food Processing and Manufacturing	\$93,046
311225	Fats and Oils Refining and Blending	Traded	Food Processing and Manufacturing	\$88,062
311230	Breakfast Cereal Manufacturing	Traded	Food Processing and Manufacturing	--
311313	Beet Sugar Manufacturing	Traded	Food Processing and Manufacturing	--
311314	Cane Sugar Manufacturing	Traded	Food Processing and Manufacturing	--
311340	Nonchocolate Confectionery Manufacturing	Traded	Food Processing and Manufacturing	\$49,924
311351	Chocolate and Confectionery Manufacturing from Cacao Beans	Traded	Food Processing and Manufacturing	\$11,110
311352	Confectionery Manufacturing from Purchased Chocolate	Traded	Food Processing and Manufacturing	\$47,231
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	Traded	Food Processing and Manufacturing	\$70,082
311412	Frozen Specialty Food Manufacturing	Traded	Food Processing and Manufacturing	\$52,738
311421	Fruit and Vegetable Canning	Traded	Food Processing and Manufacturing	\$142,696
311422	Specialty Canning	Traded	Food Processing and Manufacturing	\$39,235
311423	Dried and Dehydrated Food Manufacturing	Traded	Food Processing and Manufacturing	\$39,235
311511	Fluid Milk Manufacturing	Traded	Food Processing and Manufacturing	--
311512	Creamery Butter Manufacturing	Traded	Food Processing and Manufacturing	--
311513	Cheese Manufacturing	Traded	Food Processing and Manufacturing	\$19,351
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	Traded	Food Processing and Manufacturing	\$112,989
311520	Ice Cream and Frozen Dessert Manufacturing	Traded	Food Processing and Manufacturing	\$19,351
311611	Animal (except Poultry) Slaughtering	Traded	Livestock Processing	\$19,406
311612	Meat Processed from Carcasses	Traded	Livestock Processing	\$19,406
311613	Rendering and Meat Byproduct Processing	Traded	Livestock Processing	--
311615	Poultry Processing	Traded	Livestock Processing	\$46,064
311710	Seafood Product Preparation and Packaging	Traded	Fishing and Fishing Products	\$29,963
311811	Retail Bakeries	Local	Local Food and Beverage Processing and Distribution	\$32,739
311812	Commercial Bakeries	Local	Local Food and Beverage Processing and Distribution	\$25,842
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	Traded	Food Processing and Manufacturing	\$35,522
311821	Cookie and Cracker Manufacturing	Traded	Food Processing and Manufacturing	\$35,522
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	Traded	Food Processing and Manufacturing	\$35,522
311830	Tortilla Manufacturing	Traded	Food Processing and Manufacturing	\$35,522
311911	Roasted Nuts and Peanut Butter Manufacturing	Traded	Food Processing and Manufacturing	\$35,767
311919	Other Snack Food Manufacturing	Traded	Food Processing and Manufacturing	\$35,767
311920	Coffee and Tea Manufacturing	Traded	Food Processing and Manufacturing	\$35,837
311930	Flavoring Syrup and Concentrate Manufacturing	Traded	Food Processing and Manufacturing	\$74,899
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing	Traded	Food Processing and Manufacturing	\$35,767
311942	Spice and Extract Manufacturing	Traded	Food Processing and Manufacturing	\$70,923
311991	Perishable Prepared Food Manufacturing	Traded	Food Processing and Manufacturing	\$50,644
311999	All Other Miscellaneous Food Manufacturing	Traded	Food Processing and Manufacturing	\$41,366
312111	Soft Drink Manufacturing	Traded	Food Processing and Manufacturing	\$49,953
312112	Bottled Water Manufacturing	Traded	Food Processing and Manufacturing	--
312113	Ice Manufacturing	Traded	Food Processing and Manufacturing	\$40,566
312120	Breweries	Traded	Food Processing and Manufacturing	\$33,644

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
312130	Wineries	Traded	Food Processing and Manufacturing	\$49,366
312140	Distilleries	Traded	Food Processing and Manufacturing	\$53,052
312230	Tobacco Manufacturing	Traded	Tobacco	--
313110	Fiber, Yarn, and Thread Mills	Traded	Textile Manufacturing	\$42,616
313210	Broadwoven Fabric Mills	Traded	Textile Manufacturing	\$10,383
313220	Narrow Fabric Mills and Schiffli Machine Embroidery	Traded	Textile Manufacturing	\$10,383
313230	Nonwoven Fabric Mills	Traded	Textile Manufacturing	--
313240	Knit Fabric Mills	Traded	Textile Manufacturing	--
313310	Textile and Fabric Finishing Mills	Traded	Textile Manufacturing	\$27,012
313320	Fabric Coating Mills	Traded	Textile Manufacturing	--
314110	Carpet and Rug Mills	Traded	Textile Manufacturing	\$50,916
314120	Curtain and Linen Mills	Traded	Textile Manufacturing	\$39,728
314910	Textile Bag and Canvas Mills	Traded	Leather and Related Products	\$51,184
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	Traded	Textile Manufacturing	--
314999	All Other Miscellaneous Textile Product Mills	Traded	Apparel	\$35,537
315110	Hosiery and Sock Mills	Traded	Textile Manufacturing	\$25,093
315190	Other Apparel Knitting Mills	Traded	Textile Manufacturing	\$25,093
315210	Cut and Sew Apparel Contractors	Traded	Apparel	\$27,142
315220	Men's and Boys' Cut and Sew Apparel Manufacturing	Traded	Apparel	\$68,991
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing	Traded	Apparel	\$55,506
315280	Other Cut and Sew Apparel Manufacturing	Traded	Apparel	\$27,477
315990	Apparel Accessories and Other Apparel Manufacturing	Traded	Apparel	\$25,093
316110	Leather and Hide Tanning and Finishing	Traded	Footwear	\$119,537
316210	Footwear Manufacturing	Traded	Footwear	--
316992	Women's Handbag and Purse Manufacturing	Traded	Leather and Related Products	\$37,779
316998	All Other Leather Good and Allied Product Manufacturing	Traded	Leather and Related Products	\$41,106
321113	Sawmills	Traded	Wood Products	\$29,533
321114	Wood Preservation	Traded	Wood Products	\$29,533
321211	Hardwood Veneer and Plywood Manufacturing	Traded	Wood Products	--
321212	Softwood Veneer and Plywood Manufacturing	Traded	Wood Products	--
321213	Engineered Wood Member (except Truss) Manufacturing	Traded	Wood Products	--
321214	Truss Manufacturing	Traded	Wood Products	\$47,965
321219	Reconstituted Wood Product Manufacturing	Traded	Wood Products	\$70,802
321911	Wood Window and Door Manufacturing	Traded	Wood Products	\$55,912
321912	Cut Stock, Resawing Lumber, and Planing	Traded	Wood Products	\$29,533
321918	Other Millwork (including Flooring)	Traded	Wood Products	\$28,997
321920	Wood Container and Pallet Manufacturing	Traded	Wood Products	\$35,938
321991	Manufactured Home (Mobile Home) Manufacturing	Traded	Furniture	\$48,061
321992	Prefabricated Wood Building Manufacturing	Traded	Wood Products	\$43,824
321999	All Other Miscellaneous Wood Product Manufacturing	Traded	Wood Products	\$41,996
322110	Pulp Mills	Traded	Paper and Packaging	--
322121	Paper (except Newsprint) Mills	Traded	Paper and Packaging	\$87,389
322122	Newsprint Mills	Traded	Paper and Packaging	--
322130	Paperboard Mills	Traded	Paper and Packaging	--
322211	Corrugated and Solid Fiber Box Manufacturing	Traded	Paper and Packaging	\$64,667
322212	Folding Paperboard Box Manufacturing	Traded	Paper and Packaging	\$57,890
322219	Other Paperboard Container Manufacturing	Traded	Paper and Packaging	--

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
322220	Paper Bag and Coated and Treated Paper Manufacturing	Traded	Paper and Packaging	\$82,135
322230	Stationery Product Manufacturing	Traded	Paper and Packaging	\$50,534
322291	Sanitary Paper Product Manufacturing	Traded	Paper and Packaging	\$76,686
322299	All Other Converted Paper Product Manufacturing	Traded	Paper and Packaging	\$123,242
323111	Commercial Printing (except Screen and Books)	Traded	Printing Services	\$48,479
323113	Commercial Screen Printing	Traded	Printing Services	\$41,119
323117	Books Printing	Traded	Printing Services	\$65,149
323120	Support Activities for Printing	Traded	Printing Services	\$50,158
324110	Petroleum Refineries	Traded	Oil and Gas Production and Transportation	--
324121	Asphalt Paving Mixture and Block Manufacturing	Traded	Construction Products and Services	\$21,211
324122	Asphalt Shingle and Coating Materials Manufacturing	Traded	Construction Products and Services	--
324191	Petroleum Lubricating Oil and Grease Manufacturing	Traded	Downstream Chemical Products	--
324199	All Other Petroleum and Coal Products Manufacturing	Traded	Oil and Gas Production and Transportation	--
325110	Petrochemical Manufacturing	Traded	Upstream Chemical Products	--
325120	Industrial Gas Manufacturing	Traded	Upstream Chemical Products	--
325130	Synthetic Dye and Pigment Manufacturing	Traded	Downstream Chemical Products	--
325180	Other Basic Inorganic Chemical Manufacturing	Traded	Upstream Chemical Products	--
325193	Ethyl Alcohol Manufacturing	Traded	Upstream Chemical Products	--
325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing	Traded	Upstream Chemical Products	--
325199	All Other Basic Organic Chemical Manufacturing	Traded	Upstream Chemical Products	\$220,445
325211	Plastics Material and Resin Manufacturing	Traded	Plastics	\$193,720
325212	Synthetic Rubber Manufacturing	Traded	Upstream Chemical Products	\$204,641
325220	Artificial and Synthetic Fibers and Filaments Manufacturing	Traded	Textile Manufacturing	--
325311	Nitrogenous Fertilizer Manufacturing	Traded	Agricultural Inputs and Services	\$236,158
325312	Phosphatic Fertilizer Manufacturing	Traded	Upstream Chemical Products	--
325314	Fertilizer (Mixing Only) Manufacturing	Traded	Agricultural Inputs and Services	--
325320	Pesticide and Other Agricultural Chemical Manufacturing	Traded	Upstream Chemical Products	\$225,904
325411	Medicinal and Botanical Manufacturing	Traded	Biopharmaceuticals	\$252,642
325412	Pharmaceutical Preparation Manufacturing	Traded	Biopharmaceuticals	\$334,107
325413	In-Vitro Diagnostic Substance Manufacturing	Traded	Biopharmaceuticals	\$74,021
325414	Biological Product (except Diagnostic) Manufacturing	Traded	Biopharmaceuticals	\$289,027
325510	Paint and Coating Manufacturing	Traded	Downstream Chemical Products	\$70,695
325520	Adhesive Manufacturing	Traded	Downstream Chemical Products	\$183,828
325611	Soap and Other Detergent Manufacturing	Traded	Downstream Chemical Products	\$47,319
325612	Polish and Other Sanitation Good Manufacturing	Traded	Downstream Chemical Products	\$48,627
325613	Surface Active Agent Manufacturing	Traded	Downstream Chemical Products	--
325620	Toilet Preparation Manufacturing	Traded	Downstream Chemical Products	\$51,805
325910	Printing Ink Manufacturing	Traded	Printing Services	--
325920	Explosives Manufacturing	Traded	Downstream Chemical Products	--
325991	Custom Compounding of Purchased Resins	Traded	Downstream Chemical Products	\$151,705
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing	Traded	Downstream Chemical Products	\$32,409
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	Traded	Downstream Chemical Products	\$44,951
326111	Plastics Bag and Pouch Manufacturing	Traded	Plastics	--
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing	Traded	Plastics	--
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	Traded	Plastics	\$25,638
326121	Unlaminated Plastics Profile Shape Manufacturing	Traded	Plastics	\$25,638
326122	Plastics Pipe and Pipe Fitting Manufacturing	Traded	Plastics	\$45,180

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	Traded	Plastics	\$25,638
326140	Polystyrene Foam Product Manufacturing	Traded	Plastics	\$31,591
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	Traded	Plastics	\$37,846
326160	Plastics Bottle Manufacturing	Traded	Plastics	\$47,404
326191	Plastics Plumbing Fixture Manufacturing	Traded	Plastics	\$27,980
326199	All Other Plastics Product Manufacturing	Traded	Plastics	\$45,199
326211	Tire Manufacturing (except Retreading)	Traded	Vulcanized and Fired Materials	--
326212	Tire Retreading	Traded	Vulcanized and Fired Materials	\$31,006
326220	Rubber and Plastics Hoses and Belting Manufacturing	Traded	Vulcanized and Fired Materials	\$43,359
326291	Rubber Product Manufacturing for Mechanical Use	Traded	Vulcanized and Fired Materials	--
326299	All Other Rubber Product Manufacturing	Traded	Vulcanized and Fired Materials	\$43,288
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing	Traded	Vulcanized and Fired Materials	\$52,390
327120	Clay Building Material and Refractories Manufacturing	Traded	Vulcanized and Fired Materials	\$54,164
327211	Flat Glass Manufacturing	Traded	Vulcanized and Fired Materials	--
327212	Other Pressed and Blown Glass and Glassware Manufacturing	Traded	Vulcanized and Fired Materials	\$10,723
327213	Glass Container Manufacturing	Traded	Food Processing and Manufacturing	\$68,053
327215	Glass Product Manufacturing Made of Purchased Glass	Traded	Vulcanized and Fired Materials	\$50,249
327310	Cement Manufacturing	Traded	Construction Products and Services	--
327320	Ready-Mix Concrete Manufacturing	Local	Local Real Estate, Construction, and Development	\$58,073
327331	Concrete Block and Brick Manufacturing	Traded	Construction Products and Services	\$54,944
327332	Concrete Pipe Manufacturing	Traded	Construction Products and Services	\$59,326
327390	Other Concrete Product Manufacturing	Local	Local Real Estate, Construction, and Development	\$52,192
327410	Lime Manufacturing	Traded	Construction Products and Services	--
327420	Gypsum Product Manufacturing	Traded	Construction Products and Services	\$59,471
327910	Abrasive Product Manufacturing	Traded	Metalworking Technology	\$71,436
327991	Cut Stone and Stone Product Manufacturing	Traded	Construction Products and Services	\$48,838
327992	Ground or Treated Mineral and Earth Manufacturing	Traded	Vulcanized and Fired Materials	--
327993	Mineral Wool Manufacturing	Traded	Construction Products and Services	\$65,221
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing	Traded	Construction Products and Services	--
331110	Iron and Steel Mills and Ferroalloy Manufacturing	Traded	Upstream Metal Manufacturing	\$44,713
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	Traded	Upstream Metal Manufacturing	\$31,538
331221	Rolled Steel Shape Manufacturing	Traded	Upstream Metal Manufacturing	--
331222	Steel Wire Drawing	Traded	Upstream Metal Manufacturing	\$22,035
331313	Alumina Refining and Primary Aluminum Production	Traded	Upstream Metal Manufacturing	--
331314	Secondary Smelting and Alloying of Aluminum	Traded	Upstream Metal Manufacturing	--
331315	Aluminum Sheet, Plate, and Foil Manufacturing	Traded	Upstream Metal Manufacturing	--
331318	Other Aluminum Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	\$35,724
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	Traded	Upstream Metal Manufacturing	\$22,035
331420	Copper Rolling, Drawing, Extruding, and Alloying	Traded	Upstream Metal Manufacturing	\$29,850
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	Traded	Upstream Metal Manufacturing	\$22,035
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	Traded	Upstream Metal Manufacturing	\$22,035
331511	Iron Foundries	Traded	Automotive	\$25,775
331512	Steel Investment Foundries	Traded	Automotive	\$41,969
331513	Steel Foundries (except Investment)	Traded	Automotive	\$52,348
331523	Nonferrous Metal Die-Casting Foundries	Traded	Automotive	\$22,035
331524	Aluminum Foundries (except Die-Casting)	Traded	Automotive	\$41,047
331529	Other Nonferrous Metal Foundries (except Die-Casting)	Traded	Automotive	\$22,035

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
332111	Iron and Steel Forging	Traded	Upstream Metal Manufacturing	\$58,255
332112	Nonferrous Forging	Traded	Upstream Metal Manufacturing	\$66,394
332114	Custom Roll Forming	Traded	Automotive	--
332117	Powder Metallurgy Part Manufacturing	Traded	Upstream Metal Manufacturing	--
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	Traded	Upstream Metal Manufacturing	\$51,938
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing	Traded	Downstream Metal Products	\$51,872
332216	Saw Blade and Handtool Manufacturing	Traded	Downstream Metal Products	\$74,038
332311	Prefabricated Metal Building and Component Manufacturing	Traded	Downstream Metal Products	\$53,582
332312	Fabricated Structural Metal Manufacturing	Traded	Downstream Metal Products	\$47,994
332313	Plate Work Manufacturing	Traded	Metalworking Technology	\$45,726
332321	Metal Window and Door Manufacturing	Traded	Downstream Metal Products	\$48,151
332322	Sheet Metal Work Manufacturing	Local	Local Real Estate, Construction, and Development	\$56,066
332323	Ornamental and Architectural Metal Work Manufacturing	Traded	Downstream Metal Products	\$59,122
332410	Power Boiler and Heat Exchanger Manufacturing	Traded	Construction Products and Services	\$72,143
332420	Metal Tank (Heavy Gauge) Manufacturing	Traded	Construction Products and Services	\$60,022
332431	Metal Can Manufacturing	Traded	Downstream Metal Products	--
332439	Other Metal Container Manufacturing	Traded	Downstream Metal Products	\$67,937
332510	Hardware Manufacturing	Traded	Downstream Metal Products	\$63,994
332613	Spring Manufacturing	Traded	Upstream Metal Manufacturing	\$56,613
332618	Other Fabricated Wire Product Manufacturing	Traded	Upstream Metal Manufacturing	\$67,588
332710	Machine Shops	Local	Local Industrial Products and Services	\$51,285
332721	Precision Turned Product Manufacturing	Traded	Metalworking Technology	\$42,913
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	Traded	Metalworking Technology	\$64,371
332811	Metal Heat Treating	Traded	Metalworking Technology	\$58,111
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	Traded	Metalworking Technology	\$45,649
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	Traded	Metalworking Technology	\$50,869
332911	Industrial Valve Manufacturing	Traded	Production Technology and Heavy Machinery	\$73,754
332912	Fluid Power Valve and Hose Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	--
332913	Plumbing Fixture Fitting and Trim Manufacturing	Traded	Construction Products and Services	--
332919	Other Metal Valve and Pipe Fitting Manufacturing	Traded	Production Technology and Heavy Machinery	\$63,536
332991	Ball and Roller Bearing Manufacturing	Traded	Production Technology and Heavy Machinery	\$66,621
332992	Small Arms Ammunition Manufacturing	Traded	Downstream Metal Products	--
332993	Ammunition (except Small Arms) Manufacturing	Traded	Downstream Metal Products	--
332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing	Traded	Downstream Metal Products	\$68,629
332996	Fabricated Pipe and Pipe Fitting Manufacturing	Traded	Construction Products and Services	\$67,937
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Traded	Downstream Metal Products	\$48,080
333111	Farm Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,372
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	--
333120	Construction Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$66,717
333131	Mining Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	--
333132	Oil and Gas Field Machinery and Equipment Manufacturing	Traded	Oil and Gas Production and Transportation	\$80,980
333241	Food Product Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$38,950
333242	Semiconductor Machinery Manufacturing	Traded	Information Technology and Analytical Instruments	\$51,061
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,372
333244	Printing Machinery and Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,372
333249	Other Industrial Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$36,907
333314	Optical Instrument and Lens Manufacturing	Traded	Medical Devices	\$91,610

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
333316	Photographic and Photocopying Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	\$43,690
333318	Other Commercial and Service Industry Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$60,776
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$75,789
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	Traded	Production Technology and Heavy Machinery	\$60,541
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$55,446
333511	Industrial Mold Manufacturing	Traded	Metalworking Technology	\$47,822
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	Traded	Metalworking Technology	\$73,082
333515	Cutting Tool and Machine Tool Accessory Manufacturing	Traded	Metalworking Technology	\$73,955
333517	Machine Tool Manufacturing	Traded	Metalworking Technology	\$78,668
333519	Rolling Mill and Other Metalworking Machinery Manufacturing	Traded	Metalworking Technology	\$84,812
333611	Turbine and Turbine Generator Set Units Manufacturing	Traded	Production Technology and Heavy Machinery	--
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing	Traded	Production Technology and Heavy Machinery	--
333613	Mechanical Power Transmission Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	--
333618	Other Engine Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$78,083
333911	Pump and Pumping Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$56,961
333912	Air and Gas Compressor Manufacturing	Traded	Production Technology and Heavy Machinery	\$73,001
333913	Measuring and Dispensing Pump Manufacturing	Traded	Production Technology and Heavy Machinery	--
333921	Elevator and Moving Stairway Manufacturing	Traded	Production Technology and Heavy Machinery	\$60,363
333922	Conveyor and Conveying Equipment Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,372
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing	Traded	Production Technology and Heavy Machinery	--
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,509
333991	Power-Driven Handtool Manufacturing	Traded	Metalworking Technology	--
333992	Welding and Soldering Equipment Manufacturing	Traded	Metalworking Technology	\$62,158
333993	Packaging Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$26,632
333994	Industrial Process Furnace and Oven Manufacturing	Traded	Production Technology and Heavy Machinery	\$50,372
333995	Fluid Power Cylinder and Actuator Manufacturing	Traded	Production Technology and Heavy Machinery	\$54,891
333996	Fluid Power Pump and Motor Manufacturing	Traded	Production Technology and Heavy Machinery	\$70,706
333997	Scale and Balance Manufacturing	Traded	Production Technology and Heavy Machinery	\$56,419
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	Traded	Production Technology and Heavy Machinery	\$74,246
334111	Electronic Computer Manufacturing	Traded	Information Technology and Analytical Instruments	\$81,840
334112	Computer Storage Device Manufacturing	Traded	Information Technology and Analytical Instruments	--
334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	\$101,677
334210	Telephone Apparatus Manufacturing	Traded	Communications Equipment and Services	\$82,700
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	Traded	Communications Equipment and Services	\$69,468
334290	Other Communications Equipment Manufacturing	Traded	Communications Equipment and Services	\$51,809
334310	Audio and Video Equipment Manufacturing	Traded	Information Technology and Analytical Instruments	\$88,909
334412	Bare Printed Circuit Board Manufacturing	Traded	Information Technology and Analytical Instruments	\$68,557
334413	Semiconductor and Related Device Manufacturing	Traded	Information Technology and Analytical Instruments	\$153,965
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	Traded	Information Technology and Analytical Instruments	\$65,132
334417	Electronic Connector Manufacturing	Traded	Information Technology and Analytical Instruments	\$69,736
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	Traded	Information Technology and Analytical Instruments	\$58,049
334419	Other Electronic Component Manufacturing	Traded	Information Technology and Analytical Instruments	\$68,329
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments	\$115,845
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	Traded	Aerospace Vehicles and Defense	\$110,881

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial	Traded	Information Technology and Analytical Instruments	\$73,451
334513	Process Variables	Traded	Information Technology and Analytical Instruments	\$53,753
334514	Totalizing Fluid Meter and Counting Device Manufacturing	Traded	Information Technology and Analytical Instruments	--
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals	Traded	Information Technology and Analytical Instruments	\$84,529
334516	Analytical Laboratory Instrument Manufacturing	Traded	Information Technology and Analytical Instruments	\$75,721
334517	Irradiation Apparatus Manufacturing	Traded	Information Technology and Analytical Instruments	--
334519	Other Measuring and Controlling Device Manufacturing	Traded	Information Technology and Analytical Instruments	\$75,676
334613	Blank Magnetic and Optical Recording Media Manufacturing	Traded	Information Technology and Analytical Instruments	--
334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing	Traded	Information Technology and Analytical Instruments	\$87,080
335110	Electric Lamp Bulb and Part Manufacturing	Traded	Lighting and Electrical Equipment	--
335121	Residential Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	\$39,883
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	Traded	Lighting and Electrical Equipment	\$55,509
335129	Other Lighting Equipment Manufacturing	Traded	Lighting and Electrical Equipment	\$89,788
335210	Small Electrical Appliance Manufacturing	Traded	Recreational and Small Electric Goods	\$51,886
335221	Household Cooking Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
335222	Household Refrigerator and Home Freezer Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
335224	Household Laundry Equipment Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
335228	Other Major Household Appliance Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
335311	Power, Distribution, and Specialty Transformer Manufacturing	Traded	Lighting and Electrical Equipment	\$74,975
335312	Motor and Generator Manufacturing	Traded	Lighting and Electrical Equipment	\$106,760
335313	Switchgear and Switchboard Apparatus Manufacturing	Traded	Lighting and Electrical Equipment	\$77,820
335314	Relay and Industrial Control Manufacturing	Traded	Lighting and Electrical Equipment	\$71,504
335911	Storage Battery Manufacturing	Traded	Lighting and Electrical Equipment	\$76,990
335912	Primary Battery Manufacturing	Traded	Communications Equipment and Services	\$70,567
335921	Fiber Optic Cable Manufacturing	Traded	Lighting and Electrical Equipment	--
335929	Other Communication and Energy Wire Manufacturing	Traded	Lighting and Electrical Equipment	\$66,816
335931	Current-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	\$95,570
335932	Noncurrent-Carrying Wiring Device Manufacturing	Traded	Lighting and Electrical Equipment	\$48,379
335991	Carbon and Graphite Product Manufacturing	Traded	Lighting and Electrical Equipment	\$61,236
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing	Traded	Lighting and Electrical Equipment	\$83,428
336111	Automobile Manufacturing	Traded	Automotive	\$71,909
336112	Light Truck and Utility Vehicle Manufacturing	Traded	Automotive	--
336120	Heavy Duty Truck Manufacturing	Traded	Automotive	--
336211	Motor Vehicle Body Manufacturing	Traded	Automotive	\$48,979
336212	Truck Trailer Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
336213	Motor Home Manufacturing	Traded	Trailers, Motor Homes, and Appliances	--
336214	Travel Trailer and Camper Manufacturing	Traded	Trailers, Motor Homes, and Appliances	\$42,812
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	Traded	Automotive	\$69,483
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	Traded	Automotive	\$48,979
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	Traded	Automotive	--
336340	Motor Vehicle Brake System Manufacturing	Traded	Automotive	--
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	Traded	Automotive	\$46,092
336360	Motor Vehicle Seating and Interior Trim Manufacturing	Traded	Automotive	--
336370	Motor Vehicle Metal Stamping	Traded	Automotive	\$51,219
336390	Other Motor Vehicle Parts Manufacturing	Traded	Automotive	\$43,671

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
336411	Aircraft Manufacturing	Traded	Aerospace Vehicles and Defense	\$47,627
336412	Aircraft Engine and Engine Parts Manufacturing	Traded	Aerospace Vehicles and Defense	\$70,836
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	\$72,799
336414	Guided Missile and Space Vehicle Manufacturing	Traded	Aerospace Vehicles and Defense	\$97,558
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	Traded	Aerospace Vehicles and Defense	--
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	Traded	Aerospace Vehicles and Defense	--
336510	Railroad Rolling Stock Manufacturing	Traded	Production Technology and Heavy Machinery	--
336611	Ship Building and Repairing	Traded	Water Transportation	\$58,203
336612	Boat Building	Traded	Water Transportation	\$41,199
336991	Motorcycle, Bicycle, and Parts Manufacturing	Traded	Recreational and Small Electric Goods	\$40,776
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing	Traded	Automotive	--
336999	All Other Transportation Equipment Manufacturing	Traded	Automotive	\$46,666
337110	Wood Kitchen Cabinet and Countertop Manufacturing	Traded	Furniture	\$46,984
337121	Upholstered Household Furniture Manufacturing	Traded	Furniture	\$25,217
337122	Nonupholstered Wood Household Furniture Manufacturing	Traded	Furniture	\$55,231
337124	Metal Household Furniture Manufacturing	Traded	Furniture	\$48,007
337125	Household Furniture (except Wood and Metal) Manufacturing	Traded	Furniture	\$45,282
337127	Institutional Furniture Manufacturing	Traded	Furniture	\$48,191
337211	Wood Office Furniture Manufacturing	Traded	Furniture	\$45,805
337212	Custom Architectural Woodwork and Millwork Manufacturing	Local	Local Real Estate, Construction, and Development	\$45,561
337214	Office Furniture (except Wood) Manufacturing	Traded	Furniture	\$41,388
337215	Showcase, Partition, Shelving, and Locker Manufacturing	Traded	Furniture	\$42,310
337910	Mattress Manufacturing	Traded	Furniture	\$44,765
337920	Blind and Shade Manufacturing	Traded	Recreational and Small Electric Goods	\$24,368
339112	Surgical and Medical Instrument Manufacturing	Traded	Medical Devices	\$64,117
339113	Surgical Appliance and Supplies Manufacturing	Traded	Medical Devices	\$56,364
339114	Dental Equipment and Supplies Manufacturing	Traded	Medical Devices	\$36,651
339115	Ophthalmic Goods Manufacturing	Traded	Medical Devices	\$32,989
339116	Dental Laboratories	Local	Local Health Services	\$41,422
339910	Jewelry and Silverware Manufacturing	Traded	Jewelry and Precious Metals	\$46,061
339920	Sporting and Athletic Goods Manufacturing	Traded	Recreational and Small Electric Goods	\$47,733
339930	Doll, Toy, and Game Manufacturing	Traded	Recreational and Small Electric Goods	\$64,810
339940	Office Supplies (except Paper) Manufacturing	Traded	Recreational and Small Electric Goods	\$57,651
339950	Sign Manufacturing	Local	Local Commercial Services	\$54,754
339991	Gasket, Packing, and Sealing Device Manufacturing	Traded	Production Technology and Heavy Machinery	\$57,651
339992	Musical Instrument Manufacturing	Traded	Recreational and Small Electric Goods	\$63,924
339993	Fastener, Button, Needle, and Pin Manufacturing	Traded	Recreational and Small Electric Goods	\$57,651
339994	Broom, Brush, and Mop Manufacturing	Traded	Plastics	\$57,651
339995	Burial Casket Manufacturing	Traded	Trailers, Motor Homes, and Appliances	\$57,651
339999	All Other Miscellaneous Manufacturing	Traded	Recreational and Small Electric Goods	\$52,819
423110	Automobile and Other Motor Vehicle Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	\$75,811
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	\$79,367
423130	Tire and Tube Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	\$76,294
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	Local	Local Motor Vehicle Products and Services	\$74,275
423210	Furniture Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$69,132
423220	Home Furnishing Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$73,126
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$48,729

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
423320	Brick, Stone, and Related Construction Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$58,968
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$63,271
423390	Other Construction Material Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$111,095
423410	Photographic Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$95,003
423420	Office Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$54,218
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$91,196
423440	Other Commercial Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$53,902
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$72,836
423460	Ophthalmic Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$51,463
423490	Other Professional Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$61,490
423510	Metal Service Centers and Other Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$63,331
423520	Coal and Other Mineral and Ore Merchant Wholesalers	Traded	Distribution and Electronic Commerce	--
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$61,341
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$81,962
423690	Other Electronic Parts and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$80,026
423710	Hardware Merchant Wholesalers	Local	Local Household Goods and Services	\$45,599
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$52,109
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$82,491
423740	Refrigeration Equipment and Supplies Merchant Wholesalers	Local	Local Real Estate, Construction, and Development	\$69,453
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$69,828
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$76,408
423830	Industrial Machinery and Equipment Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$68,433
423840	Industrial Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$77,130
423850	Service Establishment Equipment and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$46,454
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$63,636
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$54,074
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$118,827
423930	Recyclable Material Merchant Wholesalers	Local	Local Industrial Products and Services	\$48,644
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$35,769
423990	Other Miscellaneous Durable Goods Merchant Wholesalers	Local	Local Industrial Products and Services	\$57,475
424110	Printing and Writing Paper Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$103,982
424120	Stationery and Office Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$73,185
424130	Industrial and Personal Service Paper Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$83,212
424210	Drugs and Druggists' Sundries Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$302,901
424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$60,494
424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$64,438
424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$65,853
424340	Footwear Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$86,781
424410	General Line Grocery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$68,535
424420	Packaged Frozen Food Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$50,258
424430	Dairy Product (except Dried or Canned) Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$65,984
424440	Poultry and Poultry Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	--
424450	Confectionery Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$67,489
424460	Fish and Seafood Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$33,721
424470	Meat and Meat Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$55,680

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
424480	Fresh Fruit and Vegetable Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$56,624
424490	Other Grocery and Related Products Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$52,150
424510	Grain and Field Bean Merchant Wholesalers	Traded	Food Processing and Manufacturing	\$112,085
424520	Livestock Merchant Wholesalers	Traded	Livestock Processing	\$122,714
424590	Other Farm Product Raw Material Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$122,714
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$66,668
424690	Other Chemical and Allied Products Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$81,641
424710	Petroleum Bulk Stations and Terminals	Traded	Distribution and Electronic Commerce	\$34,108
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)	Traded	Distribution and Electronic Commerce	\$71,386
424810	Beer and Ale Merchant Wholesalers	Local	Local Food and Beverage Processing and Distribution	\$85,832
424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$126,865
424910	Farm Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$60,088
424920	Book, Periodical, and Newspaper Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$32,893
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$33,373
424940	Tobacco and Tobacco Product Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$109,285
424950	Paint, Varnish, and Supplies Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$42,730
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers	Traded	Distribution and Electronic Commerce	\$54,903
425110	Business to Business Electronic Markets	Traded	Distribution and Electronic Commerce	\$93,970
425120	Wholesale Trade Agents and Brokers	Traded	Distribution and Electronic Commerce	\$88,126
441110	New Car Dealers	Local	Local Motor Vehicle Products and Services	\$61,436
441120	Used Car Dealers	Local	Local Motor Vehicle Products and Services	\$54,511
441210	Recreational Vehicle Dealers	Local	Local Motor Vehicle Products and Services	\$58,910
441222	Boat Dealers	Local	Local Motor Vehicle Products and Services	\$33,441
441228	Motorcycle, ATV, and All Other Motor Vehicle Dealers	Local	Local Motor Vehicle Products and Services	\$64,712
441310	Automotive Parts and Accessories Stores	Local	Local Motor Vehicle Products and Services	\$31,979
441320	Tire Dealers	Local	Local Motor Vehicle Products and Services	\$44,156
442110	Furniture Stores	Local	Local Household Goods and Services	\$41,244
442210	Floor Covering Stores	Local	Local Household Goods and Services	\$45,502
442291	Window Treatment Stores	Local	Local Household Goods and Services	\$29,006
442299	All Other Home Furnishings Stores	Local	Local Household Goods and Services	\$23,507
443141	Household Appliance Stores	Local	Local Household Goods and Services	\$44,696
443142	Electronics Stores	Local	Local Entertainment and Media	\$86,763
444110	Home Centers	Local	Local Real Estate, Construction, and Development	\$26,256
444120	Paint and Wallpaper Stores	Local	Local Real Estate, Construction, and Development	\$36,353
444130	Hardware Stores	Local	Local Household Goods and Services	\$35,398
444190	Other Building Material Dealers	Local	Local Real Estate, Construction, and Development	\$54,320
444210	Outdoor Power Equipment Stores	Local	Local Household Goods and Services	\$35,351
444220	Nursery, Garden Center, and Farm Supply Stores	Local	Local Household Goods and Services	\$33,321
445110	Supermarkets and Other Grocery (except Convenience) Stores	Local	Local Food and Beverage Processing and Distribution	\$30,270
445120	Convenience Stores	Local	Local Food and Beverage Processing and Distribution	\$23,403
445210	Meat Markets	Local	Local Food and Beverage Processing and Distribution	\$20,259
445220	Fish and Seafood Markets	Local	Local Food and Beverage Processing and Distribution	\$34,380
445230	Fruit and Vegetable Markets	Local	Local Food and Beverage Processing and Distribution	\$53,048
445291	Baked Goods Stores	Local	Local Food and Beverage Processing and Distribution	\$26,077
445292	Confectionery and Nut Stores	Local	Local Food and Beverage Processing and Distribution	\$18,562
445299	All Other Specialty Food Stores	Local	Local Food and Beverage Processing and Distribution	\$24,344

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
445310	Beer, Wine, and Liquor Stores	Local	Local Food and Beverage Processing and Distribution	\$20,443
446110	Pharmacies and Drug Stores	Local	Local Health Services	\$47,460
446120	Cosmetics, Beauty Supplies, and Perfume Stores	Local	Local Personal Services (Non-Medical)	\$19,072
446130	Optical Goods Stores	Local	Local Health Services	\$23,807
446191	Food (Health) Supplement Stores	Local	Local Food and Beverage Processing and Distribution	\$30,310
446199	All Other Health and Personal Care Stores	Local	Local Personal Services (Non-Medical)	\$48,951
447110	Gasoline Stations with Convenience Stores	Local	Local Motor Vehicle Products and Services	\$29,545
447190	Other Gasoline Stations	Local	Local Motor Vehicle Products and Services	\$26,393
448110	Men's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	\$25,557
448120	Women's Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	\$16,583
448130	Children's and Infants' Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	\$14,099
448140	Family Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	\$15,795
448150	Clothing Accessories Stores	Local	Local Retailing of Clothing and General Merchandise	\$24,726
448190	Other Clothing Stores	Local	Local Retailing of Clothing and General Merchandise	\$22,579
448210	Shoe Stores	Local	Local Retailing of Clothing and General Merchandise	\$17,145
448310	Jewelry Stores	Local	Local Retailing of Clothing and General Merchandise	\$30,611
448320	Luggage and Leather Goods Stores	Local	Local Retailing of Clothing and General Merchandise	\$31,085
451110	Sporting Goods Stores	Local	Local Entertainment and Media	\$24,307
451120	Hobby, Toy, and Game Stores	Local	Local Entertainment and Media	\$16,374
451130	Sewing, Needlework, and Piece Goods Stores	Local	Local Retailing of Clothing and General Merchandise	\$13,642
451140	Musical Instrument and Supplies Stores	Local	Local Entertainment and Media	\$35,983
451211	Book Stores	Local	Local Entertainment and Media	\$17,855
451212	News Dealers and Newsstands	Local	Local Entertainment and Media	\$16,858
452111	Department Stores (except Discount Department Stores)	Local	Local Retailing of Clothing and General Merchandise	\$22,886
452112	Discount Department Stores	Local	Local Retailing of Clothing and General Merchandise	\$19,696
452910	Warehouse Clubs and Supercenters	Local	Local Retailing of Clothing and General Merchandise	\$33,817
452990	All Other General Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	\$18,985
453110	Florists	Local	Local Household Goods and Services	\$23,886
453210	Office Supplies and Stationery Stores	Local	Local Commercial Services	\$27,654
453220	Gift, Novelty, and Souvenir Stores	Local	Local Hospitality Establishments	\$19,023
453310	Used Merchandise Stores	Local	Local Retailing of Clothing and General Merchandise	\$22,167
453910	Pet and Pet Supplies Stores	Local	Local Personal Services (Non-Medical)	\$26,205
453920	Art Dealers	Traded	Hospitality and Tourism	\$36,772
453930	Manufactured (Mobile) Home Dealers	Local	Local Motor Vehicle Products and Services	\$80,346
453991	Tobacco Stores	Local	Local Food and Beverage Processing and Distribution	\$35,961
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)	Local	Local Personal Services (Non-Medical)	\$27,694
454111	Electronic Shopping	Traded	Distribution and Electronic Commerce	\$56,268
454112	Electronic Auctions	Traded	Distribution and Electronic Commerce	\$138,509
454113	Mail-Order Houses	Traded	Distribution and Electronic Commerce	\$62,396
454210	Vending Machine Operators	Local	Local Food and Beverage Processing and Distribution	\$26,113
454310	Fuel Dealers	Local	Local Utilities	\$48,367
454390	Other Direct Selling Establishments	Local	Local Food and Beverage Processing and Distribution	\$26,258
481111	Scheduled Passenger Air Transportation	Traded	Transportation and Logistics	\$43,655
481112	Scheduled Freight Air Transportation	Traded	Transportation and Logistics	\$59,224
481211	Nonscheduled Chartered Passenger Air Transportation	Traded	Transportation and Logistics	\$70,371
481212	Nonscheduled Chartered Freight Air Transportation	Traded	Transportation and Logistics	\$59,482
481219	Other Nonscheduled Air Transportation	Traded	Transportation and Logistics	\$59,482

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
483111	Deep Sea Freight Transportation	Traded	Water Transportation	\$94,193
483112	Deep Sea Passenger Transportation	Traded	Water Transportation	--
483113	Coastal and Great Lakes Freight Transportation	Traded	Water Transportation	\$30,034
483114	Coastal and Great Lakes Passenger Transportation	Traded	Water Transportation	--
483211	Inland Water Freight Transportation	Traded	Water Transportation	\$30,034
483212	Inland Water Passenger Transportation	Traded	Water Transportation	\$30,034
484110	General Freight Trucking, Local	Local	Local Logistical Services	\$50,084
484121	General Freight Trucking, Long-Distance, Truckload	Traded	Transportation and Logistics	\$71,483
484122	General Freight Trucking, Long-Distance, Less Than Truckload	Local	Local Logistical Services	\$60,488
484210	Used Household and Office Goods Moving	Local	Local Logistical Services	\$23,938
484220	Specialized Freight (except Used Goods) Trucking, Local	Local	Local Logistical Services	\$57,392
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	Traded	Transportation and Logistics	\$51,415
485111	Mixed Mode Transit Systems	Local	Local Logistical Services	\$42,296
485112	Commuter Rail Systems	Local	Local Logistical Services	--
485113	Bus and Other Motor Vehicle Transit Systems	Local	Local Logistical Services	\$29,767
485119	Other Urban Transit Systems	Local	Local Logistical Services	--
485210	Interurban and Rural Bus Transportation	Traded	Transportation and Logistics	\$49,119
485310	Taxi Service	Traded	Business Services	\$20,940
485320	Limousine Service	Traded	Business Services	\$22,113
485410	School and Employee Bus Transportation	Local	Local Logistical Services	\$28,147
485510	Charter Bus Industry	Traded	Transportation and Logistics	\$22,245
485991	Special Needs Transportation	Local	Local Logistical Services	\$28,225
485999	All Other Transit and Ground Passenger Transportation	Traded	Business Services	\$29,910
486110	Pipeline Transportation of Crude Oil	Traded	Oil and Gas Production and Transportation	--
486210	Pipeline Transportation of Natural Gas	Traded	Oil and Gas Production and Transportation	--
486910	Pipeline Transportation of Refined Petroleum Products	Traded	Oil and Gas Production and Transportation	\$110,115
486990	All Other Pipeline Transportation	Traded	Oil and Gas Production and Transportation	--
487110	Scenic and Sightseeing Transportation, Land	Traded	Hospitality and Tourism	\$29,026
487210	Scenic and Sightseeing Transportation, Water	Traded	Hospitality and Tourism	\$27,058
487990	Scenic and Sightseeing Transportation, Other	Traded	Hospitality and Tourism	--
488111	Air Traffic Control	Traded	Transportation and Logistics	\$111,949
488119	Other Airport Operations	Traded	Transportation and Logistics	\$32,102
488190	Other Support Activities for Air Transportation	Traded	Transportation and Logistics	\$65,894
488210	Support Activities for Rail Transportation	Traded	Transportation and Logistics	\$22,695
488310	Port and Harbor Operations	Traded	Water Transportation	\$111,722
488320	Marine Cargo Handling	Traded	Water Transportation	\$80,604
488330	Navigational Services to Shipping	Traded	Water Transportation	\$81,278
488390	Other Support Activities for Water Transportation	Traded	Water Transportation	\$22,256
488410	Motor Vehicle Towing	Local	Local Motor Vehicle Products and Services	\$42,043
488490	Other Support Activities for Road Transportation	Traded	Transportation and Logistics	\$20,268
488510	Freight Transportation Arrangement	Traded	Transportation and Logistics	\$62,481
488991	Packing and Crating	Traded	Transportation and Logistics	\$40,168
488999	All Other Support Activities for Transportation	Traded	Transportation and Logistics	\$22,695
492110	Couriers and Express Delivery Services	Local	Local Logistical Services	\$40,473
492210	Local Messengers and Local Delivery	Local	Local Logistical Services	\$21,865
493110	General Warehousing and Storage	Traded	Distribution and Electronic Commerce	\$55,283
493120	Refrigerated Warehousing and Storage	Traded	Distribution and Electronic Commerce	\$55,433

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
493130	Farm Product Warehousing and Storage	Traded	Distribution and Electronic Commerce	\$57,245
493190	Other Warehousing and Storage	Traded	Distribution and Electronic Commerce	\$45,889
511110	Newspaper Publishers	Local	Local Entertainment and Media	\$57,637
511120	Periodical Publishers	Traded	Marketing, Design, and Publishing	\$63,477
511130	Book Publishers	Traded	Marketing, Design, and Publishing	\$69,914
511140	Directory and Mailing List Publishers	Traded	Marketing, Design, and Publishing	\$56,195
511191	Greeting Card Publishers	Traded	Printing Services	--
511199	All Other Publishers	Traded	Marketing, Design, and Publishing	\$48,818
511210	Software Publishers	Traded	Information Technology and Analytical Instruments	\$83,620
512110	Motion Picture and Video Production	Traded	Video Production and Distribution	\$74,071
512120	Motion Picture and Video Distribution	Traded	Video Production and Distribution	\$234,554
512131	Motion Picture Theaters (except Drive-Ins)	Local	Local Entertainment and Media	\$14,821
512132	Drive-In Motion Picture Theaters	Traded	Video Production and Distribution	\$47,662
512191	Teleproduction and Other Postproduction Services	Traded	Video Production and Distribution	\$86,801
512199	Other Motion Picture and Video Industries	Traded	Video Production and Distribution	\$34,265
512210	Record Production	Traded	Music and Sound Recording	\$51,896
512220	Integrated Record Production/Distribution	Traded	Music and Sound Recording	\$52,156
512230	Music Publishers	Traded	Music and Sound Recording	\$53,124
512240	Sound Recording Studios	Traded	Music and Sound Recording	\$50,842
512290	Other Sound Recording Industries	Traded	Music and Sound Recording	\$52,000
515111	Radio Networks	Local	Local Entertainment and Media	\$38,676
515112	Radio Stations	Local	Local Entertainment and Media	\$70,257
515120	Television Broadcasting	Local	Local Entertainment and Media	\$42,451
515210	Cable and Other Subscription Programming	Traded	Communications Equipment and Services	\$73,225
517110	Wired Telecommunications Carriers	Local	Local Utilities	\$81,046
517210	Wireless Telecommunications Carriers (except Satellite)	Traded	Communications Equipment and Services	\$70,271
517410	Satellite Telecommunications	Traded	Communications Equipment and Services	\$128,302
517911	Telecommunications Resellers	Local	Local Utilities	\$70,238
517919	All Other Telecommunications	Traded	Communications Equipment and Services	\$103,139
518210	Data Processing, Hosting, and Related Services	Traded	Business Services	\$134,561
519110	News Syndicates	Traded	Marketing, Design, and Publishing	\$78,254
519120	Libraries and Archives	Traded	Marketing, Design, and Publishing	\$87,968
519130	Internet Publishing and Broadcasting and Web Search Portals	Traded	Marketing, Design, and Publishing	\$60,517
519190	All Other Information Services	Traded	Marketing, Design, and Publishing	\$58,964
521110	Monetary Authorities-Central Bank	Traded	Financial Services	--
522110	Commercial Banking	Local	Local Financial Services	\$79,882
522120	Savings Institutions	Traded	Financial Services	\$69,278
522130	Credit Unions	Local	Local Financial Services	\$50,441
522190	Other Depository Credit Intermediation	Traded	Financial Services	\$67,577
522210	Credit Card Issuing	Traded	Financial Services	\$103,888
522220	Sales Financing	Traded	Financial Services	\$80,757
522291	Consumer Lending	Traded	Financial Services	\$70,468
522292	Real Estate Credit	Traded	Financial Services	\$83,412
522293	International Trade Financing	Traded	Financial Services	--
522294	Secondary Market Financing	Traded	Financial Services	\$75,081
522298	All Other Nondepository Credit Intermediation	Traded	Financial Services	\$87,979
522310	Mortgage and Nonmortgage Loan Brokers	Traded	Financial Services	\$94,056

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities	Traded	Financial Services	\$69,963
522390	Other Activities Related to Credit Intermediation	Traded	Financial Services	\$29,166
523110	Investment Banking and Securities Dealing	Traded	Financial Services	\$208,619
523120	Securities Brokerage	Traded	Financial Services	\$176,908
523130	Commodity Contracts Dealing	Traded	Financial Services	\$54,299
523140	Commodity Contracts Brokerage	Traded	Financial Services	\$85,450
523210	Securities and Commodity Exchanges	Traded	Financial Services	\$219,114
523910	Miscellaneous Intermediation	Traded	Financial Services	\$138,137
523920	Portfolio Management	Traded	Financial Services	\$137,531
523930	Investment Advice	Traded	Financial Services	\$73,421
523991	Trust, Fiduciary, and Custody Activities	Traded	Financial Services	\$94,743
523999	Miscellaneous Financial Investment Activities	Traded	Financial Services	\$116,918
524113	Direct Life Insurance Carriers	Traded	Insurance Services	\$75,892
524114	Direct Health and Medical Insurance Carriers	Traded	Insurance Services	\$144,781
524126	Direct Property and Casualty Insurance Carriers	Traded	Insurance Services	\$107,231
524127	Direct Title Insurance Carriers	Traded	Insurance Services	\$147,176
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers	Traded	Insurance Services	\$104,585
524130	Reinsurance Carriers	Traded	Insurance Services	--
524210	Insurance Agencies and Brokerages	Local	Local Financial Services	\$67,967
524291	Claims Adjusting	Traded	Insurance Services	\$66,576
524292	Third Party Administration of Insurance and Pension Funds	Local	Local Financial Services	\$72,996
524298	All Other Insurance Related Activities	Traded	Insurance Services	\$89,377
525910	Open-End Investment Funds	Traded	Financial Services	--
525990	Other Financial Vehicles	Traded	Financial Services	\$173,769
531110	Lessors of Residential Buildings and Dwellings	Local	Local Real Estate, Construction, and Development	\$39,433
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	Local	Local Real Estate, Construction, and Development	\$82,915
531130	Lessors of Miniwarehouses and Self-Storage Units	Local	Local Logistical Services	\$30,494
531190	Lessors of Other Real Estate Property	Local	Local Real Estate, Construction, and Development	\$35,442
531210	Offices of Real Estate Agents and Brokers	Local	Local Real Estate, Construction, and Development	\$72,530
531311	Residential Property Managers	Local	Local Real Estate, Construction, and Development	\$51,451
531312	Nonresidential Property Managers	Local	Local Real Estate, Construction, and Development	\$44,005
531320	Offices of Real Estate Appraisers	Local	Local Real Estate, Construction, and Development	\$69,345
531390	Other Activities Related to Real Estate	Local	Local Real Estate, Construction, and Development	\$75,317
532111	Passenger Car Rental	Local	Local Logistical Services	\$64,627
532112	Passenger Car Leasing	Traded	Business Services	\$81,875
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	Local	Local Logistical Services	\$41,065
532210	Consumer Electronics and Appliances Rental	Local	Local Industrial Products and Services	\$46,841
532220	Formal Wear and Costume Rental	Local	Local Personal Services (Non-Medical)	\$20,284
532230	Video Tape and Disc Rental	Local	Local Entertainment and Media	\$42,782
532291	Home Health Equipment Rental	Local	Local Health Services	\$45,680
532292	Recreational Goods Rental	Traded	Hospitality and Tourism	\$23,002
532299	All Other Consumer Goods Rental	Local	Local Personal Services (Non-Medical)	\$72,170
532310	General Rental Centers	Local	Local Industrial Products and Services	\$45,570
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	\$71,481
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	\$83,794
532420	Office Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	\$93,910
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	Traded	Distribution and Electronic Commerce	\$55,047

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	Traded	Business Services	\$53,626
541110	Offices of Lawyers	Local	Local Commercial Services	\$84,915
541191	Title Abstract and Settlement Offices	Local	Local Real Estate, Construction, and Development	\$102,767
541199	All Other Legal Services	Traded	Business Services	\$49,718
541211	Offices of Certified Public Accountants	Local	Local Commercial Services	\$78,613
541213	Tax Preparation Services	Local	Local Financial Services	\$33,846
541214	Payroll Services	Traded	Business Services	\$22,164
541219	Other Accounting Services	Local	Local Commercial Services	\$45,302
541310	Architectural Services	Traded	Business Services	\$87,830
541320	Landscape Architectural Services	Traded	Business Services	\$57,390
541330	Engineering Services	Traded	Business Services	\$96,102
541340	Drafting Services	Traded	Business Services	\$39,394
541350	Building Inspection Services	Local	Local Commercial Services	\$59,792
541360	Geophysical Surveying and Mapping Services	Traded	Oil and Gas Production and Transportation	\$69,906
541370	Surveying and Mapping (except Geophysical) Services	Local	Local Real Estate, Construction, and Development	\$64,591
541380	Testing Laboratories	Local	Local Commercial Services	\$53,990
541410	Interior Design Services	Traded	Marketing, Design, and Publishing	\$56,493
541420	Industrial Design Services	Traded	Marketing, Design, and Publishing	\$110,808
541430	Graphic Design Services	Traded	Marketing, Design, and Publishing	\$51,795
541490	Other Specialized Design Services	Traded	Marketing, Design, and Publishing	\$47,428
541511	Custom Computer Programming Services	Traded	Business Services	\$92,687
541512	Computer Systems Design Services	Traded	Business Services	\$89,562
541513	Computer Facilities Management Services	Traded	Business Services	\$50,318
541519	Other Computer Related Services	Traded	Business Services	\$75,888
541611	Administrative Management and General Management Consulting Services	Traded	Business Services	\$89,280
541612	Human Resources Consulting Services	Traded	Business Services	\$62,600
541613	Marketing Consulting Services	Traded	Marketing, Design, and Publishing	\$77,341
541614	Process, Physical Distribution, and Logistics Consulting Services	Traded	Business Services	\$72,870
541618	Other Management Consulting Services	Traded	Business Services	\$78,704
541620	Environmental Consulting Services	Local	Local Commercial Services	\$87,069
541690	Other Scientific and Technical Consulting Services	Traded	Business Services	\$62,063
541711	Research and Development in Biotechnology	Traded	Education and Knowledge Creation	\$172,967
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)	Traded	Education and Knowledge Creation	\$99,892
541720	Research and Development in the Social Sciences and Humanities	Traded	Education and Knowledge Creation	\$71,227
541810	Advertising Agencies	Traded	Marketing, Design, and Publishing	\$70,573
541820	Public Relations Agencies	Traded	Marketing, Design, and Publishing	\$55,442
541830	Media Buying Agencies	Traded	Marketing, Design, and Publishing	\$90,927
541840	Media Representatives	Traded	Marketing, Design, and Publishing	\$105,437
541850	Outdoor Advertising	Traded	Marketing, Design, and Publishing	\$51,441
541860	Direct Mail Advertising	Traded	Marketing, Design, and Publishing	\$58,838
541870	Advertising Material Distribution Services	Traded	Marketing, Design, and Publishing	\$76,729
541890	Other Services Related to Advertising	Traded	Marketing, Design, and Publishing	\$24,063
541910	Marketing Research and Public Opinion Polling	Traded	Marketing, Design, and Publishing	\$121,891
541921	Photography Studios, Portrait	Local	Local Personal Services (Non-Medical)	\$33,104
541922	Commercial Photography	Local	Local Commercial Services	\$56,517
541930	Translation and Interpretation Services	Traded	Business Services	\$51,776

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
541940	Veterinary Services	Local	Local Personal Services (Non-Medical)	\$42,670
541990	All Other Professional, Scientific, and Technical Services	Traded	Business Services	\$74,641
551111	Offices of Bank Holding Companies	Traded	Business Services	\$105,739
551112	Offices of Other Holding Companies	Traded	Business Services	\$119,003
551114	Corporate, Subsidiary, and Regional Managing Offices	Traded	Business Services	\$95,169
561110	Office Administrative Services	Local	Local Commercial Services	\$83,791
561210	Facilities Support Services	Traded	Business Services	\$50,339
561311	Employment Placement Agencies	Traded	Business Services	\$35,692
561312	Executive Search Services	Traded	Business Services	\$97,194
561320	Temporary Help Services	Local	Local Commercial Services	\$31,281
561330	Professional Employer Organizations	Traded	Business Services	\$50,503
561410	Document Preparation Services	Local	Local Commercial Services	\$33,963
561421	Telephone Answering Services	Traded	Business Services	\$31,631
561422	Telemarketing Bureaus and Other Contact Centers	Traded	Business Services	\$34,610
561431	Private Mail Centers	Local	Local Commercial Services	\$23,013
561439	Other Business Service Centers (including Copy Shops)	Local	Local Commercial Services	\$41,869
561440	Collection Agencies	Local	Local Financial Services	\$59,232
561450	Credit Bureaus	Traded	Financial Services	\$57,167
561491	Repossession Services	Local	Local Commercial Services	\$45,644
561492	Court Reporting and Stenotype Services	Local	Local Commercial Services	\$48,588
561499	All Other Business Support Services	Traded	Distribution and Electronic Commerce	\$42,608
561510	Travel Agencies	Traded	Hospitality and Tourism	\$41,488
561520	Tour Operators	Traded	Hospitality and Tourism	\$59,229
561591	Convention and Visitors Bureaus	Traded	Hospitality and Tourism	\$44,071
561599	All Other Travel Arrangement and Reservation Services	Traded	Hospitality and Tourism	\$66,711
561611	Investigation Services	Local	Local Commercial Services	\$41,941
561612	Security Guards and Patrol Services	Local	Local Commercial Services	\$27,002
561613	Armored Car Services	Local	Local Commercial Services	\$39,493
561621	Security Systems Services (except Locksmiths)	Local	Local Commercial Services	\$41,804
561622	Locksmiths	Local	Local Commercial Services	\$33,869
561710	Exterminating and Pest Control Services	Local	Local Commercial Services	\$46,408
561720	Janitorial Services	Local	Local Commercial Services	\$22,894
561730	Landscaping Services	Local	Local Household Goods and Services	\$31,984
561740	Carpet and Upholstery Cleaning Services	Local	Local Household Goods and Services	\$36,999
561790	Other Services to Buildings and Dwellings	Local	Local Commercial Services	\$33,569
561910	Packaging and Labeling Services	Traded	Distribution and Electronic Commerce	\$47,853
561920	Convention and Trade Show Organizers	Traded	Business Services	\$39,933
561990	All Other Support Services	Local	Local Commercial Services	\$190,394
562111	Solid Waste Collection	Local	Local Logistical Services	\$64,384
562112	Hazardous Waste Collection	Traded	Environmental Services	\$38,993
562119	Other Waste Collection	Traded	Environmental Services	\$57,610
562211	Hazardous Waste Treatment and Disposal	Traded	Environmental Services	\$93,335
562212	Solid Waste Landfill	Local	Local Utilities	\$80,911
562213	Solid Waste Combustors and Incinerators	Traded	Environmental Services	\$92,051
562219	Other Nonhazardous Waste Treatment and Disposal	Traded	Environmental Services	\$64,183
562910	Remediation Services	Local	Local Utilities	\$52,149
562920	Materials Recovery Facilities	Traded	Environmental Services	\$23,315

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
562991	Septic Tank and Related Services	Local	Local Real Estate, Construction, and Development	\$39,607
562998	All Other Miscellaneous Waste Management Services	Traded	Environmental Services	\$108,884
611110	Elementary and Secondary Schools	Local	Local Education and Training	\$49,061
611210	Junior Colleges	Traded	Education and Knowledge Creation	\$57,922
611310	Colleges, Universities, and Professional Schools	Traded	Education and Knowledge Creation	\$46,098
611410	Business and Secretarial Schools	Traded	Education and Knowledge Creation	\$28,730
611420	Computer Training	Traded	Education and Knowledge Creation	\$40,415
611430	Professional and Management Development Training	Traded	Education and Knowledge Creation	\$49,960
611511	Cosmetology and Barber Schools	Local	Local Personal Services (Non-Medical)	\$36,464
611512	Flight Training	Traded	Education and Knowledge Creation	\$44,757
611513	Apprenticeship Training	Traded	Education and Knowledge Creation	\$44,133
611519	Other Technical and Trade Schools	Local	Local Education and Training	\$26,137
611610	Fine Arts Schools	Local	Local Education and Training	\$18,158
611620	Sports and Recreation Instruction	Local	Local Hospitality Establishments	\$24,426
611630	Language Schools	Traded	Education and Knowledge Creation	\$22,949
611691	Exam Preparation and Tutoring	Traded	Education and Knowledge Creation	\$25,606
611692	Automobile Driving Schools	Local	Local Education and Training	\$20,864
611699	All Other Miscellaneous Schools and Instruction	Traded	Education and Knowledge Creation	\$26,583
611710	Educational Support Services	Traded	Education and Knowledge Creation	\$23,310
621111	Offices of Physicians (except Mental Health Specialists)	Local	Local Health Services	\$83,413
621112	Offices of Physicians, Mental Health Specialists	Local	Local Health Services	\$96,623
621210	Offices of Dentists	Local	Local Health Services	\$48,842
621310	Offices of Chiropractors	Local	Local Health Services	\$40,634
621320	Offices of Optometrists	Local	Local Health Services	\$39,018
621330	Offices of Mental Health Practitioners (except Physicians)	Local	Local Health Services	\$62,438
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	Local	Local Health Services	\$42,885
621391	Offices of Podiatrists	Local	Local Health Services	\$55,453
621399	Offices of All Other Miscellaneous Health Practitioners	Local	Local Health Services	\$64,935
621410	Family Planning Centers	Local	Local Health Services	\$52,775
621420	Outpatient Mental Health and Substance Abuse Centers	Local	Local Health Services	\$33,557
621491	HMO Medical Centers	Local	Local Health Services	\$81,479
621492	Kidney Dialysis Centers	Local	Local Health Services	\$51,575
621493	Freestanding Ambulatory Surgical and Emergency Centers	Local	Local Health Services	\$60,077
621498	All Other Outpatient Care Centers	Local	Local Health Services	\$63,518
621511	Medical Laboratories	Local	Local Health Services	\$57,685
621512	Diagnostic Imaging Centers	Local	Local Health Services	\$57,151
621610	Home Health Care Services	Local	Local Health Services	\$33,463
621910	Ambulance Services	Local	Local Logistical Services	\$58,123
621991	Blood and Organ Banks	Local	Local Health Services	\$61,015
621999	All Other Miscellaneous Ambulatory Health Care Services	Local	Local Health Services	\$41,272
622110	General Medical and Surgical Hospitals	Local	Local Health Services	\$76,031
622210	Psychiatric and Substance Abuse Hospitals	Local	Local Health Services	\$48,018
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	Local	Local Health Services	\$53,463
623110	Nursing Care Facilities (Skilled Nursing Facilities)	Local	Local Health Services	\$35,091
623210	Residential Intellectual and Developmental Disability Facilities	Local	Local Health Services	\$26,552
623220	Residential Mental Health and Substance Abuse Facilities	Local	Local Health Services	\$35,857
623311	Continuing Care Retirement Communities	Local	Local Health Services	\$29,782

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
623312	Assisted Living Facilities for the Elderly	Local	Local Health Services	\$27,468
623990	Other Residential Care Facilities	Local	Local Health Services	\$28,315
624110	Child and Youth Services	Local	Local Community and Civic Organizations	\$38,252
624120	Services for the Elderly and Persons with Disabilities	Local	Local Community and Civic Organizations	\$16,354
624190	Other Individual and Family Services	Local	Local Community and Civic Organizations	\$34,715
624210	Community Food Services	Local	Local Community and Civic Organizations	\$34,141
624221	Temporary Shelters	Local	Local Community and Civic Organizations	\$36,469
624229	Other Community Housing Services	Local	Local Community and Civic Organizations	\$57,282
624230	Emergency and Other Relief Services	Local	Local Community and Civic Organizations	\$50,022
624310	Vocational Rehabilitation Services	Local	Local Education and Training	\$22,811
624410	Child Day Care Services	Local	Local Personal Services (Non-Medical)	\$28,567
711110	Theater Companies and Dinner Theaters	Traded	Performing Arts	\$24,801
711120	Dance Companies	Traded	Performing Arts	\$25,240
711130	Musical Groups and Artists	Traded	Performing Arts	\$35,670
711190	Other Performing Arts Companies	Traded	Performing Arts	\$25,311
711211	Sports Teams and Clubs	Traded	Hospitality and Tourism	\$37,103
711212	Racetracks	Traded	Hospitality and Tourism	\$35,221
711219	Other Spectator Sports	Traded	Hospitality and Tourism	\$44,896
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	Traded	Performing Arts	\$29,858
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	Traded	Performing Arts	\$53,203
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	Traded	Performing Arts	\$88,860
711510	Independent Artists, Writers, and Performers	Traded	Performing Arts	\$57,256
712110	Museums	Traded	Hospitality and Tourism	\$34,500
712120	Historical Sites	Traded	Hospitality and Tourism	\$35,288
712130	Zoos and Botanical Gardens	Traded	Hospitality and Tourism	\$32,940
712190	Nature Parks and Other Similar Institutions	Traded	Hospitality and Tourism	\$65,423
713110	Amusement and Theme Parks	Traded	Hospitality and Tourism	--
713120	Amusement Arcades	Traded	Hospitality and Tourism	\$8,990
713210	Casinos (except Casino Hotels)	Traded	Hospitality and Tourism	\$32,301
713290	Other Gambling Industries	Traded	Hospitality and Tourism	\$179,466
713910	Golf Courses and Country Clubs	Local	Local Hospitality Establishments	\$26,991
713920	Skiing Facilities	Traded	Hospitality and Tourism	--
713930	Marinas	Traded	Hospitality and Tourism	\$28,915
713940	Fitness and Recreational Sports Centers	Local	Local Hospitality Establishments	\$18,594
713950	Bowling Centers	Local	Local Hospitality Establishments	\$18,485
713990	All Other Amusement and Recreation Industries	Traded	Hospitality and Tourism	\$23,051
721110	Hotels (except Casino Hotels) and Motels	Traded	Hospitality and Tourism	\$29,467
721120	Casino Hotels	Traded	Hospitality and Tourism	--
721191	Bed-and-Breakfast Inns	Traded	Hospitality and Tourism	\$31,459
721199	All Other Traveler Accommodation	Traded	Hospitality and Tourism	\$52,558
721211	RV (Recreational Vehicle) Parks and Campgrounds	Traded	Hospitality and Tourism	\$32,663
721214	Recreational and Vacation Camps (except Campgrounds)	Traded	Hospitality and Tourism	\$50,169
721310	Rooming and Boarding Houses	Traded	Hospitality and Tourism	\$31,467
722310	Food Service Contractors	Local	Local Hospitality Establishments	\$31,726
722320	Caterers	Local	Local Hospitality Establishments	\$26,539
722330	Mobile Food Services	Local	Local Food and Beverage Processing and Distribution	\$33,920
722410	Drinking Places (Alcoholic Beverages)	Local	Local Hospitality Establishments	\$15,331

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
722511	Full-Service Restaurants	Local	Local Hospitality Establishments	\$20,674
722513	Limited-Service Restaurants	Local	Local Hospitality Establishments	\$19,210
722514	Cafeterias, Grill Buffets, and Buffets	Local	Local Hospitality Establishments	\$18,333
722515	Snack and Nonalcoholic Beverage Bars	Local	Local Hospitality Establishments	\$16,877
811111	General Automotive Repair	Local	Local Motor Vehicle Products and Services	\$47,787
811112	Automotive Exhaust System Repair	Local	Local Motor Vehicle Products and Services	\$29,466
811113	Automotive Transmission Repair	Local	Local Motor Vehicle Products and Services	\$48,185
811118	Other Automotive Mechanical and Electrical Repair and Maintenance	Local	Local Motor Vehicle Products and Services	\$34,699
811121	Automotive Body, Paint, and Interior Repair and Maintenance	Local	Local Motor Vehicle Products and Services	\$49,258
811122	Automotive Glass Replacement Shops	Local	Local Motor Vehicle Products and Services	\$55,351
811191	Automotive Oil Change and Lubrication Shops	Local	Local Motor Vehicle Products and Services	\$28,296
811192	Car Washes	Local	Local Motor Vehicle Products and Services	\$21,911
811198	All Other Automotive Repair and Maintenance	Local	Local Motor Vehicle Products and Services	\$41,016
811211	Consumer Electronics Repair and Maintenance	Local	Local Household Goods and Services	\$31,803
811212	Computer and Office Machine Repair and Maintenance	Local	Local Commercial Services	\$59,684
811213	Communication Equipment Repair and Maintenance	Local	Local Household Goods and Services	\$38,999
811219	Other Electronic and Precision Equipment Repair and Maintenance	Local	Local Industrial Products and Services	\$59,412
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	Local	Local Commercial Services	\$52,609
811411	Home and Garden Equipment Repair and Maintenance	Local	Local Commercial Services	\$40,282
811412	Appliance Repair and Maintenance	Local	Local Commercial Services	\$39,276
811420	Reupholstery and Furniture Repair	Local	Local Household Goods and Services	\$45,560
811430	Footwear and Leather Goods Repair	Local	Local Personal Services (Non-Medical)	\$33,016
811490	Other Personal and Household Goods Repair and Maintenance	Local	Local Personal Services (Non-Medical)	\$40,362
812111	Barber Shops	Local	Local Personal Services (Non-Medical)	\$26,195
812112	Beauty Salons	Local	Local Personal Services (Non-Medical)	\$28,150
812113	Nail Salons	Local	Local Personal Services (Non-Medical)	\$19,925
812191	Diet and Weight Reducing Centers	Local	Local Personal Services (Non-Medical)	\$16,021
812199	Other Personal Care Services	Local	Local Personal Services (Non-Medical)	\$20,843
812210	Funeral Homes and Funeral Services	Local	Local Health Services	\$35,390
812220	Cemeteries and Crematories	Local	Local Health Services	\$39,255
812310	Coin-Operated Laundries and Drycleaners	Local	Local Personal Services (Non-Medical)	\$30,181
812320	Drycleaning and Laundry Services (except Coin-Operated)	Local	Local Commercial Services	\$19,314
812331	Linen Supply	Local	Local Commercial Services	\$58,331
812332	Industrial Launderers	Local	Local Commercial Services	\$56,759
812910	Pet Care (except Veterinary) Services	Local	Local Personal Services (Non-Medical)	\$23,542
812921	Photofinishing Laboratories (except One-Hour)	Local	Local Personal Services (Non-Medical)	\$41,039
812922	One-Hour Photofinishing	Local	Local Personal Services (Non-Medical)	\$14,326
812930	Parking Lots and Garages	Local	Local Motor Vehicle Products and Services	\$16,541
812990	All Other Personal Services	Local	Local Personal Services (Non-Medical)	\$32,622
813110	Religious Organizations	Local	Local Community and Civic Organizations	\$22,868
813211	Grantmaking Foundations	Local	Local Community and Civic Organizations	\$53,045
813212	Voluntary Health Organizations	Local	Local Community and Civic Organizations	\$40,407
813219	Other Grantmaking and Giving Services	Local	Local Community and Civic Organizations	\$52,363
813311	Human Rights Organizations	Local	Local Community and Civic Organizations	\$28,505
813312	Environment, Conservation and Wildlife Organizations	Local	Local Community and Civic Organizations	\$38,524
813319	Other Social Advocacy Organizations	Local	Local Community and Civic Organizations	\$29,241

NAICS 2012	Industry Description	Cluster Type	Cluster	Annual Wages
813410	Civic and Social Organizations	Local	Local Community and Civic Organizations	\$17,048
813910	Business Associations	Local	Local Community and Civic Organizations	\$58,194
813920	Professional Organizations	Traded	Education and Knowledge Creation	\$56,868
813930	Labor Unions and Similar Labor Organizations	Local	Local Community and Civic Organizations	\$48,977
813940	Political Organizations	Local	Local Community and Civic Organizations	\$21,087
813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)	Local	Local Community and Civic Organizations	\$44,143
<i>Total Cluster Employment</i>				<i>\$56,197</i>
<i>Total Employment</i>				<i>\$54,821</i>

Notes: "--" = no employees or wage data not available; NAICS = North American Industrial Classification System.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX F

Shift Share Analysis and Location Quotients by Cluster, 2001-2015 Ventura County

APPENDIX F-1
Shift Share Analysis and Location Quotients for Traded Clusters, 2001-15
Venutura County

Cluster	15-Year Trend 2001-2015				Post-recession Trend 2010-2015				Size and Comparative Advantage in 2015		
	Change	Expected	Actual - Expected	County Outperforms State	Change	Expected	Actual - Expected	County Outperforms State	Total Jobs 2015	LQ 2015 (v. US)	LQ 2015 (v. CA)
Business Services	548	2,982	-2,434		48	2,704	-2,656		16,106	0.76	0.70
Distribution and Electronic Commerce	1,145	1,255	-110		-84	1,440	-1,524		11,681	0.89	0.82
Education and Knowledge Creation	1,812	1,182	630	YES	454	300	153		6,620	0.59	0.53
Agricultural Inputs and Services	-1,330	922	-2,253		-1,151	668	-1,819		6,609	6.92	1.56
Information Technology and Analytical Instruments	-5,192	-3,289	-1,904		-655	389	-1,044		5,577	2.02	0.99
Biopharmaceuticals	-190	-24	-166		-1,274	36	-1,309		5,415	8.45	5.75
Financial Services	-1,795	-274	-1,521		-1,312	228	-1,539		5,381	1.14	1.23
Hospitality and Tourism	-287	290	-578		444	453	-9		5,211	0.64	0.59
Marketing, Design, and Publishing	-284	327	-612		-523	432	-956		3,303	0.84	0.62
Metalworking Technology	189	-497	686	YES	529	298	231	YES	2,407	2.14	2.68
Construction Products and Services	424	100	324	YES	427	301	126	YES	2,277	1.01	1.44
Insurance Services	-4,065	-375	-3,690		-2,612	77	-2,689		1,949	0.63	0.96
Downstream Chemical Products	-472	-351	-122		286	54	232	YES	1,442	2.32	3.17
Performing Arts	131	254	-123		70	152	-82		1,420	1.00	0.66
Production Technology and Heavy Machinery	-796	-395	-401		-135	182	-317		1,381	0.63	1.29
Downstream Metal Products	346	-249	595	YES	475	66	409	YES	1,240	1.23	2.04
Printing Services	-116	-656	540	YES	8	-99	107	YES	1,156	1.04	1.30
Food Processing and Manufacturing	29	49	-20		-38	112	-151		1,139	0.47	0.36
Communications Equipment and Services	-3,412	-1,470	-1,942		-788	-339	-449		1,074	1.41	0.99
Medical Devices	71	-12	83	YES	169	5	165	YES	1,028	1.60	1.10
Paper and Packaging	-172	-482	310	YES	-39	-55	16		1,011	1.19	2.35
Oil and Gas Production and Transportation	159	441	-282		-201	226	-427		996	0.56	1.37
Lighting and Electrical Equipment	-365	-460	95	YES	-127	78	-205		966	1.36	1.72
Transportation and Logistics	7	-23	30	YES	-178	124	-302		958	0.23	0.29
Aerospace Vehicles and Defense	-132	-38	-94	YES	-251	-12	-239		885	0.63	0.43
Recreational and Small Electric Goods	-389	-390	1	YES	-68	27	-96		710	1.57	1.32
Automotive	-564	-470	-94		-221	222	-443		688	0.31	1.04
Furniture	-131	-267	136	YES	276	40	237	YES	613	0.70	0.94
Plastics	-1,239	-287	-952		-36	54	-90		587	0.41	0.70
Electric Power Generation and Transmission	209	-190	399	YES	-80	-25	-55		546	1.06	1.38
Video Production and Distribution	-566	92	-658		3	52	-49	YES	358	0.55	0.13
Upstream Metal Manufacturing	-122	-128	6	YES	61	22	40	YES	334	0.36	0.71
Upstream Chemical Products	233	-25	258	YES	210	6	204	YES	327	0.87	2.84
Apparel	-398	-499	101		-11	-25	15	YES	313	0.77	0.28
Wood Products	95	-61	156	YES	42	18	23	YES	232	0.27	0.51
Water Transportation	-260	-18	-243		6	22	-16		205	0.26	0.31
Vulcanized and Fired Materials	-86	-145	59	YES	-58	15	-72		165	0.29	0.63
Nonmetal Mining	-60	-37	-23		2	8	-7		149	0.69	1.67
Environmental Services	-59	7	-65		-82	15	-96		126	0.46	0.45
Jewelry and Precious Metals	-3	-51	49	YES	8	-4	12	YES	96	1.10	1.17
Fishing and Fishing Products	-46	-30	-16	YES	8	-5	13	YES	94	0.53	1.55
Music and Sound Recording	-3	-29	26	YES	-2	-1	-1	YES	73	1.24	0.65
Leather and Related Products	21	-9	30	YES	22	-1	23	YES	43	0.49	0.48
Textile Manufacturing	-147	-77	-70		-7	-3	-4	YES	40	0.08	0.15
Forestry	20	-20	40	YES	-66	-2	-65		31	0.13	0.30
Livestock Processing	-13	-2	-11		9	0	9	YES	16	0.01	0.04
Trailers, Motor Homes, and Appliances	-9	0	-9	YES	9	1	8	YES	13	0.04	0.14
Footwear	1	-18	19	YES	-44	2	-45		7	0.16	0.40
Metal Mining	2	3	-1		-9	3	-12		2	0.02	0.16
Tobacco	0	0	0		0	0	0		0	0.01	0.12
Coal Mining	0	0	0		0	0	0		0	0.00	0.02

Notes: NAICS = North American Industrial Classification System; LQ = Location Quotient.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX F-2
Shift Share Analysis and Location Quotients for Local Clusters, 2001-15
Venutura County

Cluster	15-Year Trend 2001-2015				Post-recession Trend 2010-2015				Size and Comparative Advantage in 2015		
	Change	Expected	Actual - Expected	County Outperforms State	Change	Expected	Actual - Expected	County Outperforms State	Total Jobs 2015	LQ 2015 (v. US)	LQ 2015 (v. CA)
Local Commercial Services	-2,629	3,004	-5,632		-507	2,554	-3,061		18,487	0.86	0.80
Local Community and Civic Organizations	6,519	3,018	3,501		5,602	1,837	3,765		12,677	1.07	0.76
Local Education and Training	379	1,518	-1,139		778	-62	840	YES	19,810	1.02	1.09
Local Entertainment and Media	-22	-1,218	1,196	YES	-67	-160	93	YES	4,740	1.27	1.28
Local Financial Services	3,650	749	2,901	YES	822	452	370	YES	7,603	1.18	1.52
Local Food and Beverage Processing and Distribution	3,152	296	2,856	YES	1,954	818	1,135	YES	12,224	1.18	1.19
Local Health Services	9,566	6,784	2,782	YES	3,124	2,198	926		32,012	0.79	0.95
Local Hospitality Establishments	8,628	7,675	953		4,993	4,725	268		33,366	1.16	1.15
Local Household Goods and Services	276	80	196	YES	870	512	357	YES	6,540	1.46	1.53
Local Industrial Products and Services	-518	86	-605		-175	165	-340		1,484	1.08	1.10
Local Logistical Services	957	413	544	YES	925	439	486	YES	4,094	0.67	0.68
Local Motor Vehicle Products and Services	-66	110	-176	YES	1,365	1,197	168	YES	10,239	1.01	1.14
Local Personal Services (Non-Medical)	1,106	1,262	-157		406	506	-100		9,181	1.04	1.05
Local Real Estate, Construction, and Development	-2,527	-1,448	-1,080		2,682	2,153	529		24,246	0.95	0.99
Local Retailing of Clothing and General Merchandise	3,019	1,067	1,952	YES	934	527	408	YES	12,781	1.15	1.22
Local Utilities	-872	-703	-169	YES	-442	-77	-364		1,851	0.62	0.68

Notes: NAICS = North American Industrial Classification System; LQ = Location Quotient.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX G

Projected Growth Rates and Average Annual Wages by Cluster, 2016-2026 Ventura County, California, and U.S.

APPENDIX G-1
Traded Cluster Percentage Employment Growth, 2016 - 2026 and Average Wages (2016)
Ventura County

Cluster	Projected 10-Year Growth (2016-2026)			Average Annual Wages (2016)		
	U.S.	California	Ventura County	U.S.	California	Ventura County
Business Services	13.7%	16.1%	13.5%	\$91,319	\$106,405	\$80,960
Distribution and Electronic Commerce	8.2%	8.8%	3.2%	\$72,987	\$74,679	\$96,214
Education and Knowledge Creation	8.3%	9.6%	8.2%	\$66,146	\$88,583	\$54,381
Agricultural Inputs and Services	7.2%	10.4%	5.6%	\$31,129	\$28,785	\$36,595
Information Technology and Analytical Instruments	-0.9%	-0.9%	-10.9%	\$122,194	\$173,823	\$97,236
Biopharmaceuticals	-1.0%	-0.7%	-3.4%	\$123,802	\$174,579	\$328,105
Financial Services	15.4%	17.8%	9.1%	\$144,458	\$156,268	\$92,300
Hospitality and Tourism	5.0%	6.1%	1.6%	\$36,839	\$40,826	\$32,958
Marketing, Design, and Publishing	7.1%	11.2%	1.5%	\$85,962	\$147,005	\$74,240
Metalworking Technology	-1.8%	-1.3%	-6.0%	\$55,894	\$55,245	\$68,353
Construction Products and Services	20.3%	21.5%	12.2%	\$69,214	\$79,269	\$65,844
Insurance Services	0.5%	1.5%	0.0%	\$87,591	\$92,171	\$124,663
Downstream Chemical Products	-10.2%	-10.2%	-16.0%	\$71,466	\$74,380	\$82,598
Performing Arts	5.0%	4.2%	2.4%	\$50,248	\$96,122	\$54,292
Production Technology and Heavy Machinery	-1.9%	-2.8%	-4.7%	\$65,678	\$75,132	\$64,744
Downstream Metal Products	0.0%	-0.1%	-2.2%	\$55,833	\$59,754	\$55,769
Printing Services	-18.2%	-18.2%	-20.4%	\$48,941	\$48,764	\$46,223
Food Processing and Manufacturing	-0.8%	0.6%	-2.3%	\$54,649	\$56,079	\$73,674
Communications Equipment and Services	-3.5%	-5.7%	-7.0%	\$92,401	\$106,897	\$76,389
Medical Devices	0.2%	0.5%	-5.1%	\$80,649	\$100,970	\$66,226
Paper and Packaging	-11.5%	-8.4%	-11.6%	\$67,067	\$63,314	\$72,489
Oil and Gas Production and Transportation	9.7%	8.5%	8.6%	\$112,408	\$154,740	\$102,569
Lighting and Electrical Equipment	-8.4%	-9.0%	-11.9%	\$65,857	\$72,322	\$73,908
Transportation and Logistics	3.6%	4.0%	4.4%	\$59,886	\$61,487	\$59,585
Aerospace Vehicles and Defense	-6.1%	-6.7%	-8.1%	\$100,503	\$120,565	\$76,559
Recreational and Small Electric Goods	-18.8%	-18.4%	-20.6%	\$51,991	\$56,292	\$52,663
Automotive	-5.9%	-5.9%	-11.5%	\$62,819	\$64,818	\$47,635
Furniture	-4.1%	-4.5%	-6.6%	\$43,200	\$44,287	\$43,763
Plastics	-12.2%	-11.7%	-14.1%	\$54,878	\$54,428	\$44,766
Electric Power Generation and Transmission	-10.6%	-10.4%	-13.0%	\$112,313	\$118,697	\$123,185
Video Production and Distribution	10.3%	9.0%	8.4%	\$91,153	\$109,909	\$80,396
Upstream Metal Manufacturing	-6.6%	-6.6%	-11.3%	\$63,999	\$64,149	\$52,551
Upstream Chemical Products	-10.9%	-10.4%	-14.5%	\$97,585	\$90,668	\$219,031
Apparel	-44.5%	-48.4%	-46.4%	\$37,331	\$39,242	\$46,818
Wood Products	-2.4%	-3.4%	-4.6%	\$42,836	\$42,327	\$46,867
Water Transportation	3.6%	4.6%	1.8%	\$71,771	\$106,024	\$75,312
Vulcanized and Fired Materials	-17.5%	-18.2%	-22.7%	\$54,585	\$49,262	\$47,652
Nonmetal Mining	-1.3%	-0.1%	-3.9%	\$63,431	\$79,043	\$61,801
Environmental Services	-5.8%	-1.6%	-10.0%	\$61,423	\$63,699	\$63,568
Jewelry and Precious Metals	-41.8%	-42.6%	-43.4%	\$46,251	\$45,268	\$46,061
Fishing and Fishing Products	-9.0%	-10.9%	-11.2%	\$43,205	\$45,237	\$50,021
Music and Sound Recording	8.3%	7.9%	6.8%	\$63,054	\$78,581	\$51,532
Leather and Related Products	-29.4%	-30.0%	-31.8%	\$39,997	\$41,583	\$47,368
Textile Manufacturing	-24.4%	-27.6%	-26.9%	\$47,024	\$41,515	\$38,891
Forestry	-5.6%	-6.2%	2.9%	\$43,059	\$45,020	\$40,065
Livestock Processing	-1.0%	-0.2%	0.0%	\$38,081	\$41,019	\$42,524
Trailers, Motor Homes, and Appliances	-7.9%	-7.0%	-8.3%	\$52,097	\$50,396	\$44,049
Footwear	-31.9%	-32.0%	-37.5%	\$45,590	\$39,990	\$119,537
Metal Mining	-0.2%	0.5%	0.0%	\$88,611	\$90,862	\$77,294
Tobacco	-32.7%	-31.5%	N/A	\$87,561	\$124,414	N/A
Coal Mining	-2.1%	-1.5%	N/A	\$82,624	\$68,656	N/A
Total/Average - Traded Clusters	5.2%	7.0%	2.0%	\$75,726	\$92,085	\$88,909
Total/Average - All Industries	6.8%	7.8%	3.4%	\$53,084	\$62,417	\$54,821

Notes: NAICS = North American Industrial Classification System; LQ = Location Quotient.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX G-2

Local Cluster Percentage Employment Growth, 2016 - 2026 and Average Wages (2016)

Venutura County

Cluster	Projected 10-Year Growth (2016-2026)			Average Annual Wages (2016)		
	U.S.	California	Ventura County	U.S.	California	Ventura County
Local Commercial Services	6.4%	7.7%	4.7%	\$47,075	\$52,615	\$49,691
Local Community and Civic Organizations	8.7%	13.1%	9.2%	\$26,964	\$22,168	\$22,421
Local Education and Training	4.3%	6.9%	4.0%	\$43,327	\$49,205	\$47,663
Local Entertainment and Media	-1.2%	0.3%	-2.5%	\$39,511	\$53,818	\$42,215
Local Financial Services	3.2%	3.8%	0.5%	\$68,929	\$78,424	\$70,023
Local Food and Beverage Processing and Distribution	1.5%	2.1%	-0.8%	\$30,394	\$36,613	\$33,436
Local Health Services	20.7%	21.6%	20.1%	\$54,805	\$66,190	\$59,216
Local Hospitality Establishments	5.1%	5.7%	3.1%	\$18,611	\$21,278	\$20,311
Local Household Goods and Services	2.0%	3.1%	1.0%	\$34,700	\$38,076	\$34,169
Local Industrial Products and Services	7.4%	9.0%	3.4%	\$52,401	\$56,546	\$51,694
Local Logistical Services	5.9%	6.6%	4.8%	\$44,860	\$48,822	\$46,358
Local Motor Vehicle Products and Services	7.6%	8.5%	6.0%	\$41,073	\$45,432	\$50,698
Local Personal Services (Non-Medical)	7.0%	7.3%	4.2%	\$26,029	\$29,696	\$30,923
Local Real Estate, Construction, and Development	9.2%	9.8%	6.8%	\$52,730	\$59,665	\$53,994
Local Retailing of Clothing and General Merchandise	7.3%	3.7%	-2.7%	\$22,697	\$25,283	\$21,615
Local Utilities	-11.3%	-10.1%	-12.5%	\$82,826	\$101,309	\$82,499
Total/Average - Local Clusters	8.6%	9.3%	5.9%	\$41,424	\$45,894	\$41,975
Total/Average - All Industries	6.8%	7.8%	3.4%	\$53,084	\$62,417	\$54,821

Notes: NAICS = North American Industrial Classification System; LQ = Location Quotient.

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

APPENDIX H

Commodity Demand/Supply Summary by Cluster and Component Industries Ventura County

Appendix H-1
Commodity Demand/Supply Summary - Traded Clusters
Ventura County

Traded Cluster	Total Gross Commodity Demand	Net Commodity Supply	Difference
Business Services	4,875,721,519	3,602,717,368	1,273,004,151
Automotive	1,489,355,680	252,959,963	1,236,395,717
Food Processing and Manufacturing	1,637,342,445	640,541,861	996,800,584
Electric Power Generation and Transmission	1,083,037,768	318,651,358	764,386,410
Insurance Services	1,463,383,947	854,730,953	608,652,994
Education and Knowledge Creation	2,044,907,225	1,484,307,099	560,600,126
Production Technology and Heavy Machinery	814,201,393	296,576,914	517,624,479
Upstream Metal Manufacturing	604,574,291	100,791,326	503,782,965
Hospitality and Tourism	1,103,257,209	616,925,246	486,331,963
Transportation and Logistics	675,354,662	224,823,562	450,531,100
Livestock Processing	433,843,824	13,428,823	420,415,001
Upstream Chemical Products	837,443,871	434,618,337	402,825,534
Plastics	691,592,296	295,443,834	396,148,462
Oil and Gas Production and Transportation	2,355,241,055	2,046,073,816	309,167,239
Textile Manufacturing	274,165,527	21,073,231	253,092,296
Apparel	260,846,648	18,378,889	242,467,759
Communications Equipment and Services	1,183,144,334	946,884,022	236,260,312
Marketing, Design, and Publishing	1,419,373,413	1,206,587,108	212,786,305
Wood Products	221,276,590	43,879,728	177,396,861
Trailers, Motor Homes, and Appliances	155,357,415	1,851,640	153,505,775
Recreational and Small Electric Goods	272,912,139	128,225,354	144,686,785
Aerospace Vehicles and Defense	387,831,332	249,667,353	138,163,978
Vulcanized and Fired Materials	195,353,352	60,104,467	135,248,884
Water Transportation	148,999,369	18,086,370	130,912,999
Furniture	262,451,794	139,974,577	122,477,217
Downstream Metal Products	337,066,032	247,186,684	89,879,347
Lighting and Electrical Equipment	361,733,170	284,182,916	77,550,254
Performing Arts	268,329,170	194,318,448	74,010,722
Video Production and Distribution	331,084,161	274,992,828	56,091,333
Fishing and Fishing Products	72,723,021	22,185,162	50,537,859
Medical Devices	243,244,465	195,648,970	47,595,495
Jewelry and Precious Metals	53,377,114	6,057,419	47,319,695
Footwear	49,100,197	2,067,264	47,032,933
Coal Mining	38,255,059	339,890	37,915,169
Leather and Related Products	36,005,647	1,901,342	34,104,305
Nonmetal Mining	74,419,413	44,418,986	30,000,427
Music and Sound Recording	37,204,511	15,204,884	21,999,628
Printing Services	167,656,629	148,191,856	19,464,773
Paper and Packaging	523,394,908	504,424,807	18,970,101

Traded Cluster	Total Gross Commodity Demand	Net Commodity Supply	Difference
Metal Mining	30,235,494	12,135,305	18,100,189
Financial Services	2,957,629,766	2,943,800,744	13,829,022
Forestry	9,005,454	969,117	8,036,336
Construction Products and Services	1,200,545,122	1,194,939,106	5,606,016
Environmental Services	262,223,423	269,582,397	(7,358,974)
Information Technology and Analytical Instruments	1,772,719,921	1,782,182,973	(9,463,051)
Metalworking Technology	282,870,364	443,791,867	(160,921,503)
Downstream Chemical Products	586,983,597	911,569,680	(324,586,083)
Agricultural Inputs and Services	231,078,745	657,151,724	(426,072,978)
Distribution and Electronic Commerce	3,523,442,245	4,012,895,560	(489,453,314)
Biopharmaceuticals	1,298,644,771	2,571,665,357	(1,273,020,586)

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); IMPLAN; TNDG.

Appendix H-2
Commodity Demand/Supply Summary - Local Clusters
Ventura County

Local Cluster	Total Gross Commodity Demand	Net Commodity Supply	Difference
Local Health Services	5,578,473,806	4,117,656,775	1,460,817,031
Local Logistical Services	1,196,287,479	750,710,612	445,576,867
Local Commercial Services	1,973,435,608	1,567,110,901	406,324,707
Local Community and Civic Organizations	819,491,326	609,219,097	210,272,229
Local Education and Training	305,518,613	278,054,354	27,464,259
Local Utilities	1,119,387,220	1,127,131,985	(7,744,765)
Local Food and Beverage Processing and Distribution	1,156,451,258	1,184,521,321	(28,070,063)
Local Financial Services	698,594,789	733,370,210	(34,775,421)
Local Personal Services (Non-Medical)	1,176,525,080	1,217,452,983	(40,927,904)
Local Retailing of Clothing and General Merchandise	907,837,161	964,622,554	(56,785,393)
Local Hospitality Establishments	2,050,251,613	2,114,119,779	(63,868,166)
Local Entertainment and Media	307,352,093	381,847,340	(74,495,246)
Local Household Goods and Services	313,345,598	396,862,980	(83,517,383)
Local Motor Vehicle Products and Services	1,085,676,731	1,178,692,649	(93,015,918)
Local Industrial Products and Services	184,092,181	306,129,376	(122,037,195)
Local Real Estate, Construction, and Development	6,683,605,634	7,912,137,416	(1,228,531,782)

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); IMPLAN; TNDG.

Appendix H-3
Commodity Demand/Supply Detail and Correspondence to Cluster
Ventura County

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3001	Oilseeds			4,080,434	6,175,387
3002	Grains			8,032,237	9,204,442
3003	Vegetables and melons			399,092,360	75,851,261
3004	Fruit			727,749,735	71,171,711
3005	Tree nuts			12,477,062	12,220,055
3006	Greenhouse, nursery, and floriculture products			223,549,378	74,931,477
3007	Tobacco			139,047	6,968
3008	Cotton			254,781	474,416
3009	Sugarcane and sugar beets			558,623	13,965
3010	All other crops			4,400,397	9,768,955
3011	Beef cattle			6,034,073	4,530,927
3012	Dairy cattle and milk products			0	16,210,130
3013	Poultry and egg products			223,569	29,795,197
3014	Animal products, except cattle and poultry and eggs			12,428,803	36,452,457
3015	Forest, timber, and forest nursery products	Forestry		969,117	3,890,334
3016	Logs and roundwood	Forestry		0	5,115,120
3017	Fish	Fishing and Fishing Products		308,460	34,149,696
3018	Wild game products, pelts, and furs	Hospitality and Tourism		965,102	4,438,403
3019	Support activities for agriculture and forestry	Agricultural Inputs and Services		488,242,342	164,175,225
3020	Natural gas and crude petroleum	Oil and Gas Production and Transportation		1,190,924,455	591,143,830
3021	* Not a unique commodity (natural gas liquids)	Oil and Gas Production and Transportation		0	0
3022	Coal	Coal Mining		0	35,470,504
3023	Iron ore	Metal Mining		0	2,498,744
3024	Gold ore	Metal Mining		10,089,635	9,987,126
3025	Silver ore	Metal Mining		230,915	840,499
3026	Lead and zinc ore	Metal Mining		487,312	1,388,339
3027	Copper ore	Metal Mining		0	6,425,788
3028	Uranium-radium-vanadium ore	Metal Mining		89,586	1,807,397
3029	Other metal ore	Metal Mining		0	4,981,954
3030	Stone	Nonmetal Mining		3,316,479	35,413,014
3031	Sand and gravel	Nonmetal Mining		40,560,342	24,804,386
3032	Other clay, ceramic, refractory minerals	Nonmetal Mining		2,343	1,724,399
3033	Potash, soda, and borate mineral	Nonmetal Mining		0	3,407,040
3034	Phosphate rock	Nonmetal Mining		0	721,111
3035	Other chemical and fertilizer mineral	Nonmetal Mining		0	1,634,035

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3036	Other nonmetallic minerals	Nonmetal Mining		539,822	6,715,428
3037	Oil and gas wells	Oil and Gas Production and Transportation		294,426,807	215,283,554
3038	Support activities for oil and gas operations	Oil and Gas Production and Transportation		77,213,590	105,036,430
3039	Metal services	Metal Mining		1,237,855	2,305,648
3040	Other nonmetallic minerals services	Coal Mining	Nonmetal Mining	339,890	2,784,556
3041	Electricity generation	Electric Power Generation and Transmission		86,868,994	123,767,425
3042	* Not a unique commodity (electricity from fossil fuels)	Electric Power Generation and Transmission		0	0
3043	* Not a unique commodity (electricity from nuclear)	Electric Power Generation and Transmission		0	0
3044	* Not a unique commodity (electricity from solar)	Electric Power Generation and Transmission		0	0
3045	* Not a unique commodity (electricity from wind)	Electric Power Generation and Transmission		0	0
3046	* Not a unique commodity (electricity from geothermal)	Electric Power Generation and Transmission		0	0
3047	* Not a unique commodity (electricity from biomass)	Electric Power Generation and Transmission		0	0
3048	* Not a unique commodity (electricity from all other sources)	Electric Power Generation and Transmission		0	0
3049	Electricity transmission and distribution	Electric Power Generation and Transmission	Local Utilities	231,782,363	959,270,342
3050	Natural gas distribution	Local Utilities		345,381,998	224,135,462
3051	Water, sewage and other systems	Construction Products and Services	Local Utilities	120,928,516	175,798,904
3052	Newly constructed health care structures	Local Real Estate, Construction, and Development		131,239,426	131,628,977
3053	Newly constructed manufacturing structures	Local Real Estate, Construction, and Development		124,553,474	124,571,741
3054	Newly constructed power and communication structures	Construction Products and Services		229,610,367	229,728,874
3055	Newly constructed educational and vocational structures	Local Real Estate, Construction, and Development		188,874,939	189,660,651
3056	Newly constructed highways and streets	Local Real Estate, Construction, and Development		241,351,456	242,285,362
3057	Newly constructed commercial structures, including farm structures	Local Real Estate, Construction, and Development		190,369,293	190,624,182
3058	Newly constructed nonresidential structures	Construction Products and Services	Local Real Estate, Construction, and Development	553,905,823	555,607,746
3059	Newly constructed single-family residential structures	Local Real Estate, Construction, and Development		456,917,877	456,919,141
3060	Newly constructed multifamily residential structures	Local Real Estate, Construction, and Development		99,002,312	99,011,394
3061	Newly constructed residential structures	Local Real Estate, Construction, and Development		648,757,751	648,777,385
3062	Maintained and repaired nonresidential structures	Local Real Estate, Construction, and Development	Construction Products and Services	523,319,092	517,035,172
3063	Maintained and repaired residential structures	Local Real Estate, Construction, and Development		207,704,350	255,161,387
3064	Maintained and repaired highways, streets, bridges, and tunnels	Local Real Estate, Construction, and Development		145,087,172	148,400,537
3065	Dog and cat food	Food Processing and Manufacturing		20,798,347	88,174,780
3066	Other animal food	Food Processing and Manufacturing		192,704	32,867,360
3067	Flour	Food Processing and Manufacturing		0	20,199,517
3068	Rice	Food Processing and Manufacturing		0	4,883,086

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3069	Malt	Food Processing and Manufacturing		0	2,066,262
3070	Wet corn	Food Processing and Manufacturing		0	29,771,549
3071	Soybean and other oilseed processing	Food Processing and Manufacturing		5,430,092	57,223,848
3072	Fats and oils refining and blending	Food Processing and Manufacturing		49,816,509	25,760,356
3073	Breakfast cereal	Food Processing and Manufacturing		976,780	28,610,685
3074	Beet sugar	Food Processing and Manufacturing		0	7,565,953
3075	Sugar cane	Food Processing and Manufacturing		0	10,594,433
3076	Nonchocolate confectioneries	Food Processing and Manufacturing		272,267	23,425,417
3077	Chocolate and confectioneries from cacao beans	Food Processing and Manufacturing		41,722	6,724,333
3078	Confectioneries from purchased chocolate	Food Processing and Manufacturing		2,282,503	33,525,833
3079	Frozen fruits, juices and vegetables	Food Processing and Manufacturing		50,979,227	39,867,480
3080	Frozen specialties	Food Processing and Manufacturing		696,833	51,486,113
3081	Canned fruits and vegetables	Food Processing and Manufacturing		21,703,026	51,680,812
3082	Canned specialties	Food Processing and Manufacturing		109,579,153	65,362,701
3083	Dehydrated food products	Food Processing and Manufacturing		0	10,223,103
3084	Fluid milk	Food Processing and Manufacturing		10,015,824	100,723,351
3085	Creamery butter	Food Processing and Manufacturing		23,051,224	6,649,515
3086	Cheese	Food Processing and Manufacturing		563,448	80,725,405
3087	Dry, condensed, and evaporated dairy products	Food Processing and Manufacturing		25,787,714	44,496,399
3088	Ice cream and frozen dessert	Food Processing and Manufacturing		420,493	22,129,823
3089	Meat (except poultry) produced in slaughtering plant	Livestock Processing		681,779	140,770,023
3090	Meat processed from carcasses	Livestock Processing		714,819	140,625,316
3091	Processed animal rendered byproducts	Livestock Processing		0	16,478,762
3092	Processed poultry meat products	Livestock Processing		12,032,226	135,969,723
3093	Seafood products	Fishing and Fishing Products		21,876,702	38,573,325
3094	Bread and bakery products, except frozen	Local Food and Beverage Processing and Distribution		96,035,775	132,872,975
3095	Frozen cakes and other pastries	Food Processing and Manufacturing		8,548,577	11,882,305
3096	Cookies and crackers	Food Processing and Manufacturing		1,359,916	31,443,379
3097	Dry pasta, mixes, and dough	Food Processing and Manufacturing		911,960	33,008,309
3098	Tortillas	Food Processing and Manufacturing		0	8,967,567
3099	Roasted nuts and peanut butter	Food Processing and Manufacturing		0	21,971,353
3100	Other snack foods	Food Processing and Manufacturing		665,450	74,549,695
3101	Coffee and tea	Food Processing and Manufacturing		217,127	26,164,777
3102	Flavoring syrup and concentrate	Food Processing and Manufacturing		18,319,779	68,198,784
3103	Mayonnaise, dressings, and sauces	Food Processing and Manufacturing		7,036,329	20,536,489
3104	Spices and extracts	Food Processing and Manufacturing		8,633,121	32,185,869
3105	All other food products	Food Processing and Manufacturing		66,340,372	68,993,832
3106	Bottled and canned soft drinks and water	Food Processing and Manufacturing		130,316,248	177,476,394
3107	Manufactured ice	Food Processing and Manufacturing		767,234	2,665,472

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3108	Beer, ale, malt liquor and nonalcoholic beer	Food Processing and Manufacturing		5,367,326	106,170,834
3109	Wine and brandies	Food Processing and Manufacturing		59,045,470	54,499,601
3110	Distilled liquors except brandies	Food Processing and Manufacturing		721,875	39,478,001
3111	Cigarettes, cigars, smoking and chewing tobacco, and reconstituted tobacco	Textile Manufacturing		0	96,141,439
3112	Fiber filaments, yarn, and thread	Textile Manufacturing		791,786	3,879,795
3113	Broadwoven fabrics and felts	Textile Manufacturing		0	10,556,425
3114	Narrow fabrics and schiffli machine embroidery	Textile Manufacturing		0	4,122,434
3115	Nonwoven fabrics	Textile Manufacturing		341,710	17,872,801
3116	Knitted fabrics	Textile Manufacturing		4,284	4,640,571
3117	Finished textiles and fabrics	Textile Manufacturing		1,183,531	11,536,697
3118	Coated fabric coating	Textile Manufacturing		299,741	3,833,168
3119	Carpets and rugs	Textile Manufacturing		6,461,759	30,689,998
3120	Curtains and linens	Textile Manufacturing		6,623,418	46,617,502
3121	Textile bags and canvas	Textile Manufacturing		732,091	11,169,413
3122	Rope, cordage, twine, tire cord and tire fabric	Textile Manufacturing		330,120	9,664,068
3123	Other textile products	Apparel		1,363,435	14,686,470
3124	Hosiery and socks	Textile Manufacturing		0	11,114,671
3125	*Not a unique commodity (other knitted apparel)	Textile Manufacturing		0	0
3126	Cut and sewn apparel from contractors	Apparel		1,967,050	13,882,542
3127	Mens and boys cut and sew apparel	Apparel		2,015,647	70,870,265
3128	Womens and girls cut and sew apparel	Apparel		7,528,512	126,050,892
3129	Other cut and sew apparel	Apparel		5,504,244	12,095,191
3130	Apparel accessories and other apparel	Apparel		0	23,261,289
3131	Tanned and finished leather and hides	Footwear		2,054,185	588,785
3132	Footwear	Footwear		13,079	48,511,412
3133	Other leather and allied products	Leather and Related Products		1,901,342	36,005,647
3134	Dimension lumber	Wood Products		323,784	47,054,405
3135	Preserved wood products	Wood Products		0	9,233,873
3136	Veneer and plywood	Wood Products		3,558,301	22,218,593
3137	Engineered wood members and trusses	Wood Products		5,086,382	15,192,377
3138	Reconstituted wood products	Wood Products		14,240,769	16,668,816
3139	Wood windows and doors	Wood Products		10,378,067	27,417,998
3140	Cut stock, resawn and planed lumber	Wood Products		156,616	4,523,474
3141	Other millwork, including flooring	Wood Products		4,229,008	23,177,253
3142	Wood containers and pallets	Wood Products		1,622,698	29,169,335
3143	Manufactured homes (mobile homes)	Furniture		8,961,188	8,714,437
3144	Prefabricated wood buildings	Wood Products		880,005	7,117,926
3145	All other miscellaneous wood products	Wood Products		3,404,098	19,502,541
3146	Wood pulp	Paper and Packaging		2,021,495	19,382,005

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3147	Paper from pulp	Paper and Packaging		167,299,198	169,251,326
3148	Paperboard from pulp	Paper and Packaging		4,719,851	72,752,124
3149	Paperboard containers	Paper and Packaging		218,356,180	131,526,826
3150	Paper bags and coated and treated paper	Paper and Packaging		9,739,918	58,915,386
3151	Stationery products	Paper and Packaging		9,459,549	17,814,686
3152	Sanitary paper products	Paper and Packaging		91,498,498	41,913,784
3153	All other converted paper products	Paper and Packaging		1,330,117	11,838,771
3154	Printed materials	Printing Services		141,286,361	132,936,061
3155	Printing support services	Printing Services		6,525,535	14,944,673
3156	Refined petroleum products	Oil and Gas Production and Transportation		429,453,764	1,319,775,223
3157	Asphalt paving mixtures and blocks	Construction Products and Services		483,679	29,876,613
3158	Asphalt shingles and coating materials	Construction Products and Services		0	28,650,886
3159	Petroleum lubricating oil and grease	Downstream Chemical Products		4,711,597	44,211,069
3160	All other petroleum and coal products	Oil and Gas Production and Transportation		0	11,930,390
3161	Petrochemicals	Upstream Chemical Products		24,601,560	199,648,379
3162	Industrial gases	Upstream Chemical Products		1,250,304	48,512,439
3163	Synthetic dyes and pigments	Downstream Chemical Products		15,681,580	35,416,475
3164	Other basic inorganic chemicals	Upstream Chemical Products		12,586,149	98,092,789
3165	Other basic organic chemicals	Upstream Chemical Products		54,227,394	334,403,580
3166	Plastics materials and resins	Plastics		110,973,109	211,303,698
3167	Synthetic rubbers	Upstream Chemical Products		65,689,073	15,536,782
3168	Artificial and synthetic fibers and filaments	Textile Manufacturing		4,304,791	12,326,547
3169	Nitrogenous fertilizer	Agricultural Inputs and Services		168,909,381	66,903,520
3170	Phosphatic fertilizer	Upstream Chemical Products		3,005,220	53,414,876
3171	* Not a unique commodity (fertilizer mixing)	Agricultural Inputs and Services		0	0
3172	Pesticides and other agricultural chemicals	Upstream Chemical Products		273,258,637	87,835,026
3173	Medicines and botanicals	Biopharmaceuticals		663,239,288	74,720,876
3174	Pharmaceuticals	Biopharmaceuticals		1,293,966,207	922,966,714
3175	In-vitro diagnostic substances	Biopharmaceuticals		3,060,220	11,835,374
3176	Biological products (except diagnostic)	Biopharmaceuticals		611,399,643	289,121,807
3177	Paints and coatings	Downstream Chemical Products		53,011,945	66,600,893
3178	Adhesives	Downstream Chemical Products		29,321,956	37,446,616
3179	Soaps and other detergents	Downstream Chemical Products		49,870,073	67,172,448
3180	Polish and other sanitation goods	Downstream Chemical Products		30,233,745	44,859,955
3181	Surface active agents	Downstream Chemical Products		1,185,983	21,131,078
3182	Toilet preparations	Downstream Chemical Products		276,909,924	137,807,103
3183	Printing inks	Printing Services		0	15,564,687
3184	Explosives	Downstream Chemical Products		0	3,268,000
3185	Compounded resins	Downstream Chemical Products		241,850,269	31,373,027

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3186	Photographic films and chemicals	Downstream Chemical Products		51,772,172	28,569,544
3187	Other miscellaneous chemical products	Downstream Chemical Products		157,020,435	69,127,388
3188	Plastics packaging materials and unlaminated films and sheets	Plastics		17,276,029	95,113,499
3189	Unlaminated plastics profile shapes	Plastics		542,757	16,833,110
3190	Plastics pipes and pipe fittings	Plastics		30,514,291	35,494,702
3191	Laminated plastics plates, sheets (except packaging), and shapes	Plastics		0	10,455,606
3192	Polystyrene foam products	Plastics		2,861,657	27,654,397
3193	Urethane and other foam products (except polystyrene)	Plastics		4,117,471	29,027,234
3194	Plastics bottles	Plastics		41,009,486	31,334,261
3195	Other plastics products	Plastics		88,149,033	225,031,496
3196	Tires	Vulcanized and Fired Materials		0	56,046,255
3197	Rubber and plastics hoses and belts	Vulcanized and Fired Materials		3,659,916	9,408,014
3198	Other rubber products	Vulcanized and Fired Materials		6,062,464	30,048,520
3199	Pottery, ceramics, and plumbing fixtures	Vulcanized and Fired Materials		724,761	12,064,580
3200	Bricks, tiles, and other structural clay products	Vulcanized and Fired Materials		2,893,889	20,161,122
3201	Flat glass	Vulcanized and Fired Materials		99,846	9,016,637
3202	Other pressed and blown glass and glassware	Vulcanized and Fired Materials		22,443,850	38,739,049
3203	Glass containers	Food Processing and Manufacturing		9,683,215	14,411,673
3204	Glass products made of purchased glass	Vulcanized and Fired Materials		24,068,654	11,782,705
3205	Cement	Construction Products and Services		135,453	14,564,400
3206	Ready-mix concrete	Local Real Estate, Construction, and Development		38,791,598	68,827,490
3207	Concrete blocks and bricks	Construction Products and Services		10,147,108	13,065,791
3208	Concrete pipes	Construction Products and Services		13,962,040	4,374,005
3209	Other concrete products	Local Real Estate, Construction, and Development		19,801,866	28,556,862
3210	Lime	Construction Products and Services		0	2,650,615
3211	Gypsum products	Construction Products and Services		9,516,483	13,569,204
3212	Abrasive products	Metalworking Technology		9,807,095	17,992,843
3213	Cut stone and stone products	Construction Products and Services		12,440,739	20,515,278
3214	Ground or treated mineral and earth products	Vulcanized and Fired Materials		151,088	8,086,469
3215	Mineral wool	Construction Products and Services		207,530,649	15,531,627
3216	Miscellaneous nonmetallic mineral products	Construction Products and Services		262,835	8,497,946
3217	Iron and steel and ferroalloy products	Upstream Metal Manufacturing		7,849,165	240,042,220
3218	* Not a unique commodity (iron, steel pipes and tubes from purchased steel)	Upstream Metal Manufacturing		0	0
3219	* Not a unique commodity (rolled steel shapes)	Upstream Metal Manufacturing		0	0
3220	Steel wire	Upstream Metal Manufacturing		13,162,458	16,621,716
3221	Aluminum products	Upstream Metal Manufacturing		276,716	27,618,538

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
	* Not a unique commodity (secondary smelting and alloying of aluminum)				
3222	Aluminum sheets, plates, and foils	Upstream Metal Manufacturing		0	0
3223	Aluminum sheets, plates, and foils	Upstream Metal Manufacturing		1,496,250	38,457,408
3224	Rolled, drawn, and extruded aluminum	Upstream Metal Manufacturing		377,664	10,048,175
3225	Nonferrous metal (exc aluminum) smelting and refining	Upstream Metal Manufacturing		0	110,510,457
3226	Rolled, drawn, extruded, and alloyed copper	Upstream Metal Manufacturing		47,259	44,412,351
3227	Nonferrous metal, except copper and aluminum, shaping	Upstream Metal Manufacturing		1,363,208	21,724,790
3228	Secondary processing of other nonferrous metals	Upstream Metal Manufacturing		844,543	20,380,700
3229	Ferrous metals	Automotive		54,264,405	34,894,142
3230	Nonferrous metals	Automotive		27,971,494	26,070,250
3231	Iron and steel forgings	Upstream Metal Manufacturing		17,263,907	25,591,149
3232	Nonferrous forgings	Upstream Metal Manufacturing		37,503,258	8,459,144
3233	Custom roll formed metals	Automotive		412,256	4,203,049
3234	Crowned and stamped metals	Upstream Metal Manufacturing		4,723,415	25,707,041
3235	Cutlery, utensils, pots, and pans	Downstream Metal Products		0	16,191,245
3236	Handtools	Downstream Metal Products		18,038,588	21,793,329
3237	Prefabricated metal buildings and components	Downstream Metal Products		5,954,746	16,290,927
3238	Fabricated structural metal products	Downstream Metal Products		28,005,215	65,140,878
3239	Plates	Metalworking Technology		4,739,657	17,588,211
3240	Metal windows and doors	Downstream Metal Products		65,121,028	29,486,707
3241	Sheet metal work (except stampings)	Local Real Estate, Construction, and Development		26,592,512	48,150,614
3242	Ornamental and architectural metal products	Downstream Metal Products		8,728,829	19,994,502
3243	Power boilers and heat exchangers	Construction Products and Services		19,557,224	20,060,569
3244	Metal tanks (heavy gauge)	Construction Products and Services		16,285,451	25,799,148
3245	Metal cans	Downstream Metal Products		335,198	22,698,562
3246	Metal barrels, drums and pails	Downstream Metal Products		114,762	8,948,182
3247	Hardware	Downstream Metal Products		18,194,960	31,859,690
3248	Spring and wire products	Upstream Metal Manufacturing		15,883,483	15,000,601
3249	Machined products	Local Industrial Products and Services		176,702,416	107,749,907
3250	Turned products and screws, nuts, and bolts	Metalworking Technology		62,822,199	54,519,547
3251	Heat treated products	Metalworking Technology		15,179,235	14,632,426
3252	Coated and engraved products	Metalworking Technology		39,017,596	32,284,172
3253	Electroplated, anodized, and colored metal	Metalworking Technology		51,749,304	22,239,593
3254	Valve and fittings, other than plumbing	Production Technology and Heavy Machinery		7,225,020	75,048,283
3255	Plumbing fixture fittings and trims	Construction Products and Services		89,772	17,039,220
3256	Balls and roller bearings	Production Technology and Heavy Machinery		31,438,057	24,526,841
3257	Small arms ammunition	Downstream Metal Products		472,670	9,944,621
3258	Ammunition, except for small arms	Downstream Metal Products		1,166,175	5,457,451

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3259	Small arms, ordnance, and accessories	Downstream Metal Products		69,196,893	32,314,648
3260	Fabricated pipes and pipe fittings	Construction Products and Services		82,968	25,214,297
3261	Other fabricated metals	Downstream Metal Products		31,857,620	56,945,291
3262	Farm machinery and equipment	Production Technology and Heavy Machinery		116,479	74,998,721
3263	Lawn and garden equipment	Production Technology and Heavy Machinery		324,867	18,810,276
3264	Construction machinery	Production Technology and Heavy Machinery		6,045,307	86,939,688
3265	Mining machinery	Production Technology and Heavy Machinery		552,074	4,825,436
3266	Oil and gas field machinery	Oil and Gas Production and Transportation		53,093,970	60,961,287
3267	Food product machinery	Production Technology and Heavy Machinery		3,130,283	9,581,238
3268	Semiconductor machinery	Information Technology and Analytical Instruments		31,874,098	54,061,523
3269	Sawmill, woodworking, and paper machinery	Production Technology and Heavy Machinery		0	5,069,109
3270	Printing machinery and equipment	Production Technology and Heavy Machinery		0	6,508,986
3271	All other industrial machinery	Production Technology and Heavy Machinery		10,052,259	35,252,169
3272	Optical instruments and lenses	Medical Devices		8,166,821	17,832,269
3273	Photographic and photocopying equipment	Information Technology and Analytical Instruments		1,886,536	5,736,705
3274	Other commercial service industry machinery	Production Technology and Heavy Machinery		13,074,794	43,952,534
3275	Air purification and ventilation equipment	Production Technology and Heavy Machinery		10,937,959	16,292,834
3276	Heating equipment (except warm air furnaces)	Production Technology and Heavy Machinery		64,782,291	14,262,170
3277	Air conditioning, refrigeration, and warm air heating equipment	Production Technology and Heavy Machinery		5,886,301	76,699,956
3278	Industrial molds	Metalworking Technology		14,309,426	17,272,716
3279	Special tool, die, jig, and fixture	Metalworking Technology		14,783,535	27,401,988
3280	Cutting tool and machine tool accessory	Metalworking Technology		17,116,923	17,758,251
3281	Machine tool	Metalworking Technology		199,171,632	32,915,842
3282	Rolling mill and other metalworking machinery	Metalworking Technology		6,411,148	4,799,311
3283	Turbine and turbine generator set units	Production Technology and Heavy Machinery		12,697,885	15,712,580
3284	Speed changers, industrial high-speed drives, and gears	Production Technology and Heavy Machinery		558,181	13,540,554
3285	Mechanical power transmission equipment	Production Technology and Heavy Machinery		1,036,223	4,799,084
3286	Other engine equipment	Production Technology and Heavy Machinery		31,727,654	37,400,719
3287	Pump and pumping equipment	Production Technology and Heavy Machinery		29,685,493	38,963,898
3288	Air and gas compressors	Production Technology and Heavy Machinery		15,399,323	23,452,678
3289	Measuring and dispensing pumps	Production Technology and Heavy Machinery		0	1,513,961
3290	Elevators and moving stairways	Production Technology and Heavy Machinery		2,047,251	7,315,954
3291	Conveyor and conveying equipment	Production Technology and Heavy Machinery		753,636	17,603,193
3292	Overhead cranes, hoists, and monorail systems	Production Technology and Heavy Machinery		0	13,224,263
3293	Industrial trucks, trailers, and stackers	Production Technology and Heavy Machinery		16,155,180	21,016,849
3294	Power-driven handtools	Metalworking Technology		3,485,377	13,877,729
3295	Welding and soldering equipment	Metalworking Technology		5,198,742	9,587,735
3296	Packaging machinery	Production Technology and Heavy Machinery		1,833,849	17,366,900

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3297	Industrial process furnaces and ovens	Production Technology and Heavy Machinery		0	3,931,288
3298	Fluid power cylinders and actuators	Production Technology and Heavy Machinery		4,573,994	9,013,149
3299	Fluid power pumps and motors	Production Technology and Heavy Machinery		15,071,385	12,457,978
3300	Scales, balances, and miscellaneous general purpose machinery	Production Technology and Heavy Machinery		11,052,052	33,938,943
3301	Electronic computers	Information Technology and Analytical Instruments		4,348,389	231,264,895
3302	Computer storage devices	Information Technology and Analytical Instruments		105,116,936	59,599,739
3303	Computer terminals and other computer peripheral equipment	Information Technology and Analytical Instruments		79,325,667	68,060,048
3304	Telephone apparatus	Communications Equipment and Services		7,548,138	33,573,954
3305	Broadcast and wireless communications equipment	Communications Equipment and Services		5,649,948	212,853,796
3306	Other communications equipment	Communications Equipment and Services		8,110,548	13,777,916
3307	Audio and video equipment	Information Technology and Analytical Instruments		9,206,100	99,994,656
3308	Bare printed circuit boards	Information Technology and Analytical Instruments		1,142,838	19,856,621
3309	Semiconductors and related devices	Information Technology and Analytical Instruments		802,478,606	443,567,027
3310	Capacitors, resistors, coils, transformers, and other inductors	Information Technology and Analytical Instruments		12,197,755	20,252,609
3311	Electronic connectors	Information Technology and Analytical Instruments		42,354,284	15,369,960
3312	Printed circuit assemblies (electronic assemblies)	Information Technology and Analytical Instruments		201,316,991	92,118,359
3313	Other electronic components	Information Technology and Analytical Instruments		101,412,469	80,995,371
3314	Electromedical and electrotherapeutic apparatus	Information Technology and Analytical Instruments		77,079,702	61,565,279
3315	Search, detection, and navigation instruments	Aerospace Vehicles and Defense		47,590,486	130,762,815
3316	Automatic environmental controls	Information Technology and Analytical Instruments		59,414,177	10,896,295
3317	Industrial process variable instruments	Information Technology and Analytical Instruments		2,913,866	29,383,909
3318	Totalizing fluid meters and counting devices	Information Technology and Analytical Instruments		1,272,671	7,883,647
3319	Electricity and signal testing instruments	Information Technology and Analytical Instruments		18,055,322	37,098,771
3320	Analytical laboratory instruments	Information Technology and Analytical Instruments		13,872,986	26,366,157
3321	Irradiation apparatus	Information Technology and Analytical Instruments		1,997,683	16,111,074
3322	Watches, clocks, and other measuring and controlling devices	Information Technology and Analytical Instruments		47,043,382	24,588,355
3323	Blank magnetic and optical recording media	Information Technology and Analytical Instruments		677,958	25,701,352
3324	Software and other prerecorded and record reproducing	Information Technology and Analytical Instruments		56,737,511	7,932,402
3325	Electric lamp bulbs and parts	Lighting and Electrical Equipment		0	11,723,993
3326	Lighting fixtures	Lighting and Electrical Equipment		132,833,057	56,617,772
3327	Small electrical appliances	Recreational and Small Electric Goods		61,831	32,478,237
3328	Household cooking appliances	Trailers, Motor Homes, and Appliances		1,024,764	25,782,502
3329	Household refrigerators and home freezers	Trailers, Motor Homes, and Appliances		0	26,583,310
3330	Household laundry equipment	Trailers, Motor Homes, and Appliances		67,512	22,085,575
3331	Other major household appliances	Trailers, Motor Homes, and Appliances		0	14,995,201
3332	Power, distribution, and specialty transformers	Lighting and Electrical Equipment		13,194,072	33,282,044

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3333	Motors and generators	Lighting and Electrical Equipment		40,596,155	50,669,390
3334	Switchgear and switchboard apparatus	Lighting and Electrical Equipment		5,793,269	39,890,373
3335	Relay and industrial controls	Lighting and Electrical Equipment		39,464,304	45,345,969
3336	Storage batteries	Lighting and Electrical Equipment		2,453,313	13,923,644
3337	Primary batteries	Communications Equipment and Services		9,234,246	12,935,254
3338	Fiber optic cables	Lighting and Electrical Equipment		8,255,984	9,490,053
3339	Other communication and energy wires	Lighting and Electrical Equipment		3,487,858	27,025,102
3340	Wiring devices	Lighting and Electrical Equipment		8,933,578	39,342,804
3341	Carbon and graphite products	Lighting and Electrical Equipment		0	5,437,760
3342	All other miscellaneous electrical equipment and components	Lighting and Electrical Equipment		29,171,324	28,984,266
3343	Automobiles	Automotive		13,244,398	525,531,714
3344	Light trucks and utility vehicles	Automotive		497,334	505,818,595
3345	Heavy duty trucks	Automotive		0	70,055,806
3346	Motor vehicle bodies	Automotive		0	5,427,647
3347	Truck trailers	Trailers, Motor Homes, and Appliances		136,372	22,423,091
3348	Motor homes	Trailers, Motor Homes, and Appliances		12,438	17,176,200
3349	Travel trailers and campers	Trailers, Motor Homes, and Appliances		610,553	24,509,506
3350	Motor vehicle gasoline engines and engine parts	Automotive		45,105,487	36,826,494
3351	Motor vehicle electrical and electronic equipment	Automotive		1,219,734	56,048,696
3352	Motor vehicle steering, suspension components (except spring), and brake systems	Automotive		6,273,285	42,152,833
3353	Motor vehicle transmission and power train parts	Automotive		4,353,006	37,864,151
3354	Motor vehicle seating and interior trim	Automotive		0	4,277,468
3355	Motor vehicle stamped metal	Automotive		777,084	11,082,855
3356	Other motor vehicle parts	Automotive		96,712,037	99,455,365
3357	Aircrafts	Aerospace Vehicles and Defense		4,634,042	129,603,391
3358	Aircraft engines and engine parts	Aerospace Vehicles and Defense		4,093,831	15,473,246
3359	Other aircraft parts and auxiliary equipment	Aerospace Vehicles and Defense		163,134,680	65,582,037
3360	Guided missiles and space vehicles	Aerospace Vehicles and Defense		26,713,542	37,574,633
3361	Propulsion units and parts for space vehicles and guided missiles	Aerospace Vehicles and Defense		3,500,773	8,835,211
3362	Railroad rolling stock	Production Technology and Heavy Machinery		419,117	28,467,789
3363	Ships	Water Transportation		6,564,384	57,814,856
3364	Boats	Water Transportation		6,431,902	22,431,507
3365	Motorcycles, bicycles, and parts	Recreational and Small Electric Goods		43,248,520	40,078,984
3366	Military armored vehicles, tanks, and tank components	Automotive		210,208	7,287,791
3367	All other transportation equipment	Automotive		1,919,234	22,358,822
3368	Wood kitchen cabinets and countertops	Furniture		29,433,797	43,590,403

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3369	Upholstered household furniture	Furniture		31,269,998	39,536,864
3370	Nonupholstered wood household furniture	Furniture		6,708,394	48,120,598
3371	Other household nonupholstered furniture	Furniture		10,144,489	20,619,620
3372	Institutional furniture	Furniture		4,446,156	14,095,673
3373	Wood office furniture	Furniture		7,386,493	9,184,485
3374	Custom architectural woodwork and millwork	Local Real Estate, Construction, and Development		6,653,073	8,387,847
3375	Office furniture, except wood	Furniture		3,951,116	19,252,530
3376	Showcases, partitions, shelvings, and lockers	Furniture		8,811,202	30,790,770
3377	Mattresses	Furniture		28,861,743	28,546,414
3378	Blinds and shades	Recreational and Small Electric Goods		4,259,514	7,035,914
3379	Surgical and medical instruments	Medical Devices		64,524,474	85,366,590
3380	Surgical appliance and supplies	Medical Devices		84,605,002	103,916,333
3381	Dental equipment and supplies	Medical Devices		36,672,826	14,879,793
3382	Ophthalmic goods	Medical Devices		1,679,846	21,249,480
3383	Dental laboratories	Local Health Services		3,651,777	12,604,162
3384	Jewelry and silverware	Jewelry and Precious Metals		6,057,419	53,377,114
3385	Sporting and athletic goods	Recreational and Small Electric Goods		35,507,127	56,490,385
3386	Dolls, toys, and games	Recreational and Small Electric Goods		2,894,338	68,292,420
3387	Office supplies (except paper)	Recreational and Small Electric Goods		230,729	12,732,457
3388	Signs	Local Commercial Services		6,739,767	17,083,817
3389	Gaskets, packings, and sealing devices	Production Technology and Heavy Machinery		0	21,713,373
3390	Musical instruments	Recreational and Small Electric Goods		13,959,317	7,302,779
3391	Fasteners, buttons, needles, and pins	Recreational and Small Electric Goods		2,178,570	4,239,404
3392	Brooms, brushes, and mops	Plastics		0	9,344,291
3393	Burial caskets	Trailers, Motor Homes, and Appliances		0	1,802,029
3394	All other miscellaneous manufactured products	Recreational and Small Electric Goods		25,885,406	44,261,557
			Local Real Estate, Construction, and Development		
			Food Processing and Manufacturing		
			Livestock Processing		
			Local Food and Beverage Processing and Distribution		
			Local Household Goods and Services		
			Local Industrial Products and Services		
3395	Wholesale trade distribution services	Distribution and Electronic Commerce	Local Motor Vehicle Products and Services	3,704,517,456	3,194,142,611
3396	Retail services - Motor vehicle and parts dealers	Local Motor Vehicle Products and Services		548,931,335	442,806,415
3397	Retail services - Furniture and home furnishings stores	Local Household Goods and Services		139,196,222	145,919,787
3398	Retail services - Electronics and appliance stores	Local Entertainment and Media	Local Household Goods and Services	185,380,256	107,281,321
	Retail services - Building material and garden equipment				
3399	and supplies stores	Local Real Estate, Construction, and Development	Local Household Goods and Services	352,843,210	345,643,948
3400	Retail services - Food and beverage stores	Local Food and Beverage Processing and Distribution		629,500,244	516,044,354

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3401	Retail services - Health and personal care stores	Local Personal Services (Non-Medical)	Local Health Services	286,126,213	281,953,831
3402	Retail services - Gasoline stores	Local Motor Vehicle Products and Services	Local Food and Beverage Processing and Distribution	116,607,088	187,932,072
3403	Retail services- Clothing and clothing accessories stores	Local Retailing of Clothing and General Merchandise		455,386,989	327,163,419
3404	Retail services - Sporting goods, hobby, musical instrument and book stores	Local Entertainment and Media	Local Retailing of Clothing and General Merchandise	129,357,196	108,125,408
3405	Retail services - General merchandise stores	Local Retailing of Clothing and General Merchandise		509,235,565	580,673,742
			Local Retailing of Clothing and General Merchandise		
			Local Hospitality Establishments		
			Hospitality and Tourism		
			Local Food and Beverage Processing and Distribution		
			Local Commercial Services		
			Local Motor Vehicle Products and Services		
3406	Retail services - Miscellaneous store retailers	Local Personal Services (Non-Medical)	Local Household Goods and Services	169,338,163	164,303,357
			Distribution and Electronic Commerce		
3407	Retail services - Nonstore retailers	Local Food and Beverage Processing and Distribution	Local Utilities	458,985,302	507,533,929
3408	Air transportation services	Transportation and Logistics		50,654,297	481,945,449
3409	Rail transportation services	--		12,138,237	106,983,556
3410	Water transportation services	Water Transportation		5,090,084	68,753,006
3411	Truck transportation services	Local Logistical Services	Transportation and Logistics	331,833,669	636,721,698
			Business Services		
3412	Transit and ground passenger transportation services	Local Logistical Services	Transportation and Logistics	101,819,717	183,959,409
3413	Pipeline transportation services	Oil and Gas Production and Transportation		961,229	51,110,342
			Hospitality and Tourism		
	Scenic and sightseeing transportation services and support activities for transportation	Transportation and Logistics	Water Transportation		
3414			Local Motor Vehicle Products and Services	174,169,265	193,409,213
3415	Couriers and messengers services	Local Logistical Services		111,936,226	147,091,894
3416	Warehousing and storage services	Distribution and Electronic Commerce		121,093,315	209,217,981
3417	Newspapers	Local Entertainment and Media		8,961,379	19,779,713
3418	Periodicals	Marketing, Design, and Publishing		19,413,694	48,226,882
3419	Books	Marketing, Design, and Publishing		372,631,260	99,673,047
3420	Directories, mailing lists, and other published materials	Marketing, Design, and Publishing		9,389,801	31,586,669
3421	Greeting cards	Printing Services		379,960	4,211,208
3422	Software publishers	Information Technology and Analytical Instruments		110,457,047	334,315,169
3423	Motion pictures and videos	Video Production and Distribution	Local Entertainment and Media	274,992,828	331,084,161
3424	Sound recordings	Music and Sound Recording		15,204,884	37,204,511
3425	Radio and television broadcasts	Local Entertainment and Media		52,909,998	61,682,445
3426	Cable and other subscription programming	Communications Equipment and Services		114,654,321	108,128,192

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3427	Wired telecommunications	Local Utilities		781,749,988	895,251,758
3428	Wireless telecommunications (except satellite)	Communications Equipment and Services		767,372,148	769,354,805
3429	Satellite, telecommunications resellers, and all other telecommunications	Communications Equipment and Services	Local Utilities	34,314,672	32,520,417
3430	Data processing, hosting, and related services	Business Services		197,746,161	302,015,319
3431	News syndicates, libraries, archives and all other information services	Marketing, Design, and Publishing		116,995,389	107,231,781
3432	Internet publishing and broadcasting and web search portals	Marketing, Design, and Publishing		46,982,944	94,239,294
3433	Monetary authorities and depository credit intermediation	Financial Services	Local Financial Services	1,428,074,050	1,136,967,752
3434	Nondepository credit intermediation and related activities	Financial Services		503,966,671	403,497,858
3435	Securities and commodity contracts intermediation and brokerage	Financial Services		230,973,171	310,418,524
3436	Other financial investment services	Financial Services		780,786,852	1,106,745,632
3437	Insurance	Insurance Services		854,730,953	1,463,383,947
3438	Insurance agencies, brokerages, and related services	Local Financial Services		733,370,210	698,594,789
3439	Funds, trusts, and other financial services	--		443,611,786	413,609,016
3440	Real estate buying and selling, leasing, managing, and related services	Local Real Estate, Construction, and Development	Local Logistical Services	4,510,278,014	3,179,962,943
3441	Imputed rental services of owner-occupied dwellings	--		3,794,090,576	3,794,090,595
3442	Automotive equipment rental and leasing services	Local Logistical Services	Business Services Hospitality and Tourism Local Industrial Products and Services	205,121,000	228,514,477
3443	General and consumer goods rental services except video tapes and discs	Local Personal Services (Non-Medical)	Local Health Services	39,754,027	55,864,970
3444	Video tape and disc rental services	Local Entertainment and Media		5,238,511	10,483,205
3445	Commercial and industrial machinery and equipment rental and leasing services	Distribution and Electronic Commerce		187,284,789	120,081,654
3446	Leasing of nonfinancial intangible assets	Business Services		199,662,987	229,611,789
3447	Legal services	Local Commercial Services	Business Services Local Real Estate, Construction, and Development	492,684,330	680,802,988
3448	Accounting, tax preparation, bookkeeping, and payroll services	Local Commercial Services	Local Financial Services Business Services Local Commercial Services Local Real Estate, Construction, and Development	227,880,613	339,989,977
3449	Architectural, engineering, and related services	Business Services	Oil and Gas Production and Transportation	560,336,050	616,474,558
3450	Specialized design services	Marketing, Design, and Publishing		76,846,642	79,825,437
3451	Custom computer programming services	Business Services		523,463,822	628,432,999
3452	Computer systems design services	Business Services		154,823,987	274,503,976
3453	Other computer related services, including facilities management services	Business Services		101,328,462	138,520,585
3454	Management consulting services	Business Services	Marketing, Design, and Publishing	276,344,601	491,753,079

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3455	Environmental and other technical consulting services	Business Services	Local Commercial Services	256,326,371	91,816,430
3456	Scientific research and development services	Education and Knowledge Creation		962,987,433	1,110,806,742
3457	Advertising, public relations, and related services	Marketing, Design, and Publishing		564,327,378	958,590,303
3458	Photographic services	Local Personal Services (Non-Medical)	Local Commercial Services	33,353,124	34,790,972
3459	Veterinary services	Local Personal Services (Non-Medical)		113,932,320	90,197,592
3460	Marketing research and all other miscellaneous professional, scientific, and technical services	Business Services	Marketing, Design, and Publishing	286,002,860	204,618,936
3461	Management of companies and enterprises	Business Services		390,847,641	1,256,992,976
3462	Office administrative services	Local Commercial Services		176,695,471	135,514,545
3463	Facilities support services	Business Services		13,520,015	74,468,410
3464	Employment services	Business Services	Local Commercial Services Business Services Financial Services Distribution and Electronic Commerce	642,314,412	566,512,462
3465	Business support services	Local Commercial Services	Local Financial Services	156,723,791	172,869,940
3466	Travel arrangement and reservation services	Hospitality and Tourism		129,334,846	99,536,480
3467	Investigation and security services	Local Commercial Services		61,695,976	143,233,348
3468	Services to buildings	Local Commercial Services	Local Household Goods and Services	202,964,914	236,274,255
3469	Landscape and horticultural services	Local Household Goods and Services		257,666,759	167,425,810
3470	Other support services	Local Commercial Services	Business Services Distribution and Electronic Commerce Local Utilities Local Logistical Services	79,153,064	67,956,053
3471	Waste management and remediation services	Environmental Services	Local Real Estate, Construction, and Development	269,582,397	262,223,423
3472	Elementary and secondary schools	Local Education and Training		150,905,461	180,576,355
3473	Junior colleges, colleges, universities, and professional schools	Education and Knowledge Creation		404,400,884	762,256,731
3474	Other educational services	Education and Knowledge Creation	Local Education and Training Local Hospitality Establishments Local Personal Services (Non-Medical)	116,918,782	171,843,752
3475	Offices of physicians	Local Health Services		932,841,345	1,053,870,735
3476	Offices of dentists	Local Health Services		356,577,179	328,375,411
3477	Offices of other health practitioners	Local Health Services		258,564,728	284,587,497
3478	Outpatient care centers	Local Health Services		211,620,955	370,792,034
3479	Medical and diagnostic laboratories	Local Health Services		56,369,209	83,524,468
3480	Home health care services	Local Health Services		236,991,566	250,770,969
3481	Other ambulatory health care services	Local Health Services	Local Logistical Services	65,789,208	85,109,230
3482	Private hospital services	Local Health Services		1,663,044,492	2,526,415,563
3483	Nursing and community care services	Local Health Services		278,049,733	449,571,727
3484	Residential mental retardation, mental health, substance abuse and other care services	Local Health Services		33,624,702	91,485,863

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
3485	Individual and family services	Local Community and Civic Organizations	Local Education and Training	274,997,803	224,679,245
3486	Community food, housing, and other relief services, including rehabilitation services	Local Education and Training		127,148,893	124,942,258
3487	Child day care services	Local Personal Services (Non-Medical)		129,578,300	126,885,040
3488	Performing arts	Performing Arts		54,718,363	112,454,531
3489	Commercial sports except racing	Hospitality and Tourism		13,757,444	75,880,177
3490	Racing and track operation services	Hospitality and Tourism		1,690,799	5,109,566
3491	Promotional services for performing arts and sports and public figures	Performing Arts		44,222,830	79,257,170
3492	Independent artists, writers, and performers	Performing Arts		95,377,255	76,617,470
3493	Museum, heritage, zoo, and recreational services	Hospitality and Tourism		12,337,250	42,028,745
3494	Amusement parks and arcades	Hospitality and Tourism		2,572,619	26,404,084
3495	Gambling recreation	Hospitality and Tourism		148,252,798	315,053,359
3496	Other amusement and recreation	Hospitality and Tourism	Local Hospitality Establishments	117,952,404	114,711,942
3497	Fitness and recreational sports center services	Local Hospitality Establishments		116,360,438	76,364,211
3498	Bowling activities	Local Hospitality Establishments		10,517,452	10,599,778
3499	Hotels and motel services, including casino hotels	Hospitality and Tourism		183,518,697	403,147,325
3500	Other accommodation services	Hospitality and Tourism		6,543,287	16,947,128
3501	Full-service restaurant services	Local Hospitality Establishments		630,393,656	642,253,400
3502	Limited-service restaurant services	Local Hospitality Establishments		1,132,915,234	1,055,617,193
3503	All other food and drinking place services	Local Hospitality Establishments	Local Food and Beverage Processing and Distribution	223,932,999	265,417,031
3504	Automotive repair and maintenance, except car washes	Local Motor Vehicle Products and Services		455,529,135	412,286,490
3505	Car washes	Local Motor Vehicle Products and Services		57,625,090	42,651,754
3506	Electronic and precision equipment repair and maintenance	Local Industrial Products and Services	Local Household Goods and Services Local Commercial Services	129,426,960	76,342,274
3507	Commercial and industrial machinery and equipment repair and maintenance	Local Commercial Services		117,524,498	123,972,477
3508	Personal and household goods repair and maintenance	Local Personal Services (Non-Medical)	Local Commercial Services Local Household Goods and Services	141,158,420	120,503,469
3509	Personal care services	Local Personal Services (Non-Medical)		182,005,829	170,840,955
3510	Death care services	Local Health Services		20,531,881	41,366,147
3511	Dry-cleaning and laundry services	Local Commercial Services	Local Personal Services (Non-Medical)	45,048,477	55,738,208
3512	Other personal services	Local Personal Services (Non-Medical)	Local Motor Vehicle Products and Services	122,206,588	131,184,893
3513	Services from religious organizations	Local Community and Civic Organizations		86,076,485	153,388,397
3514	Grantmaking, giving, and social advocacy services	Local Community and Civic Organizations		121,212,257	191,246,164
3515	Business and professional services	Local Community and Civic Organizations	Education and Knowledge Creation	29,563,515	115,289,632
3516	Labor and civic services	Local Community and Civic Organizations		97,369,038	134,887,887
3517	Cooking, housecleaning, gardening, and other services to private households	--		54,790,726	55,040,411
3518	US Postal delivery services	--		95,312,377	127,691,501

Code	Description	Primary Cluster of Interest	Secondary Cluster(s) of Interest	Net Commodity Supply	Total Gross Commodity Demand
	* Not a unique commodity (electricity from fed govt utilities)	--		0	0
3519		--		0	0
3520	Other products and services of Fed Govt enterprises	--		72,705,044	14,075,224
	* Not a unique commodity (passenger transit by state govt)	--		0	0
3521		--		0	0
	* Not a unique commodity (electricity from state govt utilities)	--		0	0
3522		--		0	0
3523	Other products and services of State Govt enterprises	--		207,976	12,199,373
	* Not a unique commodity (passenger transit by local govt)	--		0	0
3524		--		0	0
	* Not a unique commodity (electricity from local govt utilities)	--		0	0
3525		--		0	0
3526	Other products and services of Local Govt enterprises	--		132,974,901	219,799,313
3527	Used and secondhand goods	--		206,489,635	263,560,725
3528	Scrap	--		43,588,797	15,168,810
3529	Rest of the world adjustment	--		0	462,359,375
3530	Noncomparable imports	--		0	646,008,650
3531	* Employment and payroll of state govt, non-education	--		13,127,111	13,127,111
3532	* Employment and payroll of state govt, education	--		182,419,693	182,419,693
3533	* Employment and payroll of local govt, non-education	--		1,259,695,435	1,259,695,435
3534	* Employment and payroll of local govt, education	--		1,660,856,079	1,660,856,079
3535	* Employment and payroll of federal govt, non-military	--		1,040,445,313	1,027,284,515
3536	* Employment and payroll of federal govt, military	--		1,132,959,595	1,132,959,595

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); IMPLAN; TNDG.

APPENDIX I

City Cluster Analysis Ventura County Cities

Table I-1
City of Camarillo
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	1,044	0.47	(138)	-12%	12	1%	\$58,921
Community and Civic Organizations	1,868	1.52	696	59%	115	6%	23,824
Education and Training	1,714	0.87	150	10%	71	4%	48,707
Entertainment and Media	836	2.20	208	33%	(79)	-9%	42,043
Financial Services	433	0.66	(292)	-40%	9	2%	67,254
Food and Beverage Processing and Distribution	844	0.80	(345)	-29%	(12)	-1%	29,841
Health Services	2,633	0.63	215	9%	629	24%	51,124
Hospitality Establishments	3,719	1.25	283	8%	110	3%	19,017
Household Goods and Services	643	1.39	139	28%	5	1%	32,949
Industrial Products and Services	302	2.20	(95)	-24%	10	3%	49,980
Logistical Services	291	0.46	69	31%	8	3%	43,911
Motor Vehicle Products and Services	891	0.86	294	49%	43	5%	43,731
Personal Services (Non-Medical)	800	0.88	(62)	-7%	32	4%	30,838
Real Estate, Construction, and Development	2,289	0.87	352	18%	170	7%	52,801
Retailing of Clothing and General Merchandise	2,490	2.19	398	19%	(80)	-3%	19,176
Utilities	256	0.85	(38)	-13%	(40)	-16%	78,465
Cluster Total	21,053	N/A	1,834	10%	1,003	5%	\$37,319
All Industries	35,154	N/A	858	3%	916	3%	\$55,347

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-2
City of Camarillo
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	122	0.86	(1)	-1%	(9)	-7%	\$75,186
Agricultural Inputs and Services	290	3.03	73	34%	15	5%	36,847
Apparel	44	1.08	(35)	-44%	(21)	-48%	57,333
Automotive	64	0.28	(116)	-64%	(10)	-16%	42,835
Biopharmaceuticals	120	1.83	2	2%	(4)	-3%	416,325
Business Services	2,791	1.28	90	3%	373	13%	82,653
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	144	1.88	(116)	-45%	6	4%	80,264
Construction Products and Services	532	2.30	(8)	-1%	(5)	-1%	67,892
Distribution and Electronic Commerce	1,702	1.25	33	2%	114	7%	85,283
Downstream Chemical Products	362	5.73	33	10%	(59)	-16%	105,514
Downstream Metal Products	179	1.73	32	22%	(5)	-3%	66,239
Education and Knowledge Creation	450	0.39	24	6%	29	6%	57,099
Electric Power Generation and Transmission	34	0.65	2	6%	(4)	-12%	120,509
Environmental Services	6	0.21	(45)	-88%	(2)	-33%	62,159
Financial Services	183	0.38	(35)	-16%	33	18%	103,507
Fishing and Fishing Products	1	0.06	(2)	-67%	0	0%	52,216
Food Processing and Manufacturing	99	0.39	(42)	-30%	(3)	-3%	73,088
Footwear	1	0.22	(8)	-89%	0	0%	83,403
Forestry	2	0.08	(2)	-50%	0	0%	31,989
Furniture	119	1.32	46	63%	(4)	-3%	45,595
Hospitality and Tourism	344	0.41	(53)	-13%	1	0%	37,591
Information Technology and Analytical Instruments	1,358	4.81	(538)	-28%	(147)	-11%	85,972
Insurance Services	126	0.40	(605)	-83%	(9)	-7%	95,745
Jewelry and Precious Metals	16	1.84	1	7%	(7)	-44%	43,721
Leather and Related Products	7	0.78	4	133%	(3)	-43%	53,858
Lighting and Electrical Equipment	365	5.08	44	14%	(40)	-11%	72,790
Livestock Processing	1	0.01	0	0%	0	0%	50,529
Marketing, Design, and Publishing	395	0.98	100	34%	(5)	-1%	83,006

Table I-2 (cont.)
City of Camarillo
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	121	1.84	16	15%	(4)	-3%	59,785
Metal Mining	0	0.00	(1)	-100%	0	--	--
Metalworking Technology	177	1.57	(41)	-19%	(8)	-5%	54,915
Music and Sound Recording	10	1.68	(1)	-9%	0	0%	52,393
Nonmetal Mining	3	0.14	2	200%	0	0%	61,299
Oil and Gas Production and Transportation	39	0.24	(12)	-24%	2	5%	105,511
Paper and Packaging	324	3.77	19	6%	(33)	-10%	65,546
Performing Arts	92	0.63	6	7%	2	2%	60,253
Plastics	61	0.42	22	56%	(9)	-15%	43,419
Printing Services	146	1.31	(40)	-22%	(30)	-21%	43,633
Production Technology and Heavy Machinery	309	1.40	(1)	0%	(13)	-4%	63,642
Recreational and Small Electric Goods	131	2.85	(31)	-19%	(24)	-18%	46,197
Textile Manufacturing	17	0.34	6	55%	(5)	-29%	48,434
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	4	0.12	4	ND	0	0%	39,130
Transportation and Logistics	117	0.27	(61)	-34%	10	9%	64,561
Upstream Chemical Products	51	1.34	29	132%	(7)	-14%	220,174
Upstream Metal Manufacturing	31	0.34	(25)	-45%	(3)	-10%	57,133
Video Production and Distribution	42	0.61	(31)	-42%	4	10%	68,607
Vulcanized and Fired Materials	21	0.36	(8)	-28%	(4)	-19%	46,996
Water Transportation	12	0.15	(7)	-37%	0	0%	50,086
Wood Products	49	0.55	22	81%	(3)	-6%	40,111
Cluster Total	11,614	N/A	(1,255)	-10%	109	1%	\$79,568
All Industries	35,154	N/A	858	3%	916	3%	\$55,347

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-3
City of Fillmore
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	256	1.35	131	105%	28	11%	\$98,846
Community and Civic Organizations	94	0.90	56	147%	12	13%	28,577
Education and Training	390	2.30	32	9%	16	4%	50,509
Entertainment and Media	7	0.22	(1)	-13%	0	0%	47,407
Financial Services	26	0.46	(21)	-45%	0	0%	76,157
Food and Beverage Processing and Distribution	125	1.38	(20)	-14%	0	0%	28,909
Health Services	264	0.74	6	2%	32	12%	44,501
Hospitality Establishments	354	1.39	(48)	-12%	12	3%	17,925
Household Goods and Services	45	1.14	13	41%	2	4%	33,018
Industrial Products and Services	5	0.43	(4)	-44%	0	0%	47,796
Logistical Services	47	0.87	(4)	-8%	2	4%	36,064
Motor Vehicle Products and Services	61	0.68	(19)	-24%	2	3%	45,520
Personal Services (Non-Medical)	61	0.78	(6)	-9%	2	3%	29,299
Real Estate, Construction, and Development	158	0.70	(6)	-4%	1	1%	52,602
Retailing of Clothing and General Merchandise	36	0.37	12	50%	4	11%	21,052
Utilities	3	0.12	(1)	-25%	(1)	-33%	81,331
Cluster Total	1,932	N/A	120	7%	112	6%	\$46,069
All Industries	3,007	N/A	(60)	-2%	74	2%	\$56,237

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-4
City of Fillmore
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	8	0.66	6	300%	(1)	-13%	\$48,904
Agricultural Inputs and Services	133	16.23	41	45%	7	5%	40,804
Apparel	0	0.00	0	--	0	--	--
Automotive	1	0.05	1	ND	0	0%	71,763
Biopharmaceuticals	6	1.07	(16)	-73%	0	0%	442,986
Business Services	36	0.19	(22)	-38%	5	14%	77,880
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	3	0.46	(8)	-73%	0	0%	114,501
Construction Products and Services	16	0.81	3	23%	2	13%	70,120
Distribution and Electronic Commerce	69	0.59	(46)	-40%	0	0%	55,961
Downstream Chemical Products	0	0.00	(1)	-100%	0	--	--
Downstream Metal Products	0	0.00	0	--	0	--	--
Education and Knowledge Creation	73	0.74	14	24%	6	8%	52,866
Electric Power Generation and Transmission	0	0.00	(2)	-100%	0	--	--
Environmental Services	0	0.00	(2)	-100%	0	--	--
Financial Services	10	0.24	3	43%	1	10%	115,309
Fishing and Fishing Products	0	0.00	0	--	0	--	--
Food Processing and Manufacturing	6	0.28	(6)	-50%	0	0%	45,267
Footwear	0	0.00	0	--	0	--	--
Forestry	0	0.00	(1)	-100%	0	--	--
Furniture	0	0.00	0	--	0	--	--
Hospitality and Tourism	39	0.55	(6)	-13%	1	3%	30,047
Information Technology and Analytical Instruments	1	0.04	(3)	-75%	0	0%	71,726
Insurance Services	0	0.00	(3)	-100%	0	--	--
Jewelry and Precious Metals	0	0.00	0	--	0	--	--
Leather and Related Products	0	0.00	0	--	0	--	--
Lighting and Electrical Equipment	0	0.00	0	--	0	--	--
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	9	0.26	0	0%	1	11%	64,770

Table I-4 (cont.)
City of Fillmore
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	0	0.00	0	--	0	--	--
Metal Mining	0	0.00	0	--	0	--	--
Metalworking Technology	0	0.00	(1)	-100%	0	--	--
Music and Sound Recording	0	0.00	0	--	0	--	--
Nonmetal Mining	1	0.53	(18)	-95%	0	0%	61,407
Oil and Gas Production and Transportation	2	0.15	(28)	-93%	0	0%	91,484
Paper and Packaging	65	8.85	64	6400%	(7)	-11%	63,043
Performing Arts	7	0.56	2	40%	0	0%	34,944
Plastics	0	0.00	0	--	0	--	--
Printing Services	0	0.00	(3)	-100%	0	--	--
Production Technology and Heavy Machinery	0	0.00	(1)	-100%	0	--	--
Recreational and Small Electric Goods	3	0.76	(1)	-25%	(1)	-33%	53,980
Textile Manufacturing	0	0.00	0	--	0	--	--
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	0	0.00	0	--	0	--	--
Transportation and Logistics	10	0.27	(4)	-29%	0	0%	64,621
Upstream Chemical Products	0	0.00	0	--	0	--	--
Upstream Metal Manufacturing	0	0.00	0	--	0	--	--
Video Production and Distribution	2	0.34	1	100%	0	0%	82,188
Vulcanized and Fired Materials	0	0.00	0	--	0	--	--
Water Transportation	0	0.00	0	--	0	--	--
Wood Products	0	0.00	0	--	0	--	--
Cluster Total	500	N/A	(37)	-7%	14	3%	\$58,696
All Industries	3,007	N/A	(60)	-2%	74	2%	\$56,237

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-5
City of Moorpark
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	265	0.38	31	13%	7	3%	\$92,468
Community and Civic Organizations	369	0.96	179	94%	39	11%	19,566
Education and Training	1,298	2.08	102	9%	57	4%	49,933
Entertainment and Media	143	1.20	(9)	-6%	21	15%	31,127
Financial Services	146	0.70	(53)	-27%	1	1%	72,821
Food and Beverage Processing and Distribution	379	1.14	(5)	-1%	(3)	-1%	33,809
Health Services	442	0.33	73	20%	148	33%	49,942
Hospitality Establishments	1,467	1.57	207	16%	45	3%	20,554
Household Goods and Services	257	1.77	51	25%	(8)	-3%	35,656
Industrial Products and Services	90	2.09	(25)	-22%	3	3%	49,965
Logistical Services	226	1.14	72	47%	72	32%	53,082
Motor Vehicle Products and Services	266	0.81	36	16%	10	4%	52,456
Personal Services (Non-Medical)	253	0.88	(52)	-17%	7	3%	29,898
Real Estate, Construction, and Development	1,200	1.45	308	35%	94	8%	53,752
Retailing of Clothing and General Merchandise	346	0.97	32	10%	(48)	-14%	19,936
Utilities	46	0.48	10	28%	1	2%	60,695
Cluster Total	7,193	N/A	957	15%	446	6%	\$41,433
All Industries	11,062	N/A	840	8%	511	5%	\$55,491

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-6
City of Moorpark
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	23	0.51	(20)	-47%	(2)	-9%	\$71,898
Agricultural Inputs and Services	23	0.76	(108)	-82%	1	4%	41,971
Apparel	10	0.78	0	0%	(3)	-30%	44,093
Automotive	123	1.72	45	58%	(9)	-7%	41,464
Biopharmaceuticals	225	10.92	(15)	-6%	(7)	-3%	418,084
Business Services	561	0.82	(97)	-15%	61	11%	99,746
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	22	0.91	4	22%	(4)	-18%	75,737
Construction Products and Services	39	0.54	25	179%	12	31%	62,450
Distribution and Electronic Commerce	635	1.49	77	14%	13	2%	83,851
Downstream Chemical Products	57	2.87	23	68%	(9)	-16%	100,996
Downstream Metal Products	22	0.68	(3)	-12%	0	0%	59,621
Education and Knowledge Creation	256	0.70	43	20%	20	8%	52,017
Electric Power Generation and Transmission	4	0.24	(3)	-43%	(1)	-25%	121,344
Environmental Services	11	1.25	6	120%	2	18%	55,377
Financial Services	609	3.98	450	283%	50	8%	97,923
Fishing and Fishing Products	0	0.00	0	--	0	--	--
Food Processing and Manufacturing	18	0.23	(5)	-22%	0	0%	75,588
Footwear	0	0.00	(1)	-100%	0	--	--
Forestry	0	0.00	(1)	-100%	0	--	--
Furniture	41	1.45	13	46%	0	0%	46,357
Hospitality and Tourism	56	0.21	1	2%	0	0%	38,267
Information Technology and Analytical Instruments	295	3.32	(251)	-46%	(21)	-7%	86,217
Insurance Services	119	1.19	103	644%	(4)	-3%	94,853
Jewelry and Precious Metals	2	0.73	0	0%	(1)	-50%	46,379
Leather and Related Products	2	0.71	2	ND	(1)	-50%	56,026
Lighting and Electrical Equipment	36	1.59	(3)	-8%	(3)	-8%	67,170
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	100	0.79	(19)	-16%	7	7%	63,216

Table I-6 (cont.)
City of Moorpark
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	87	4.22	31	55%	(10)	-11%	83,188
Metal Mining	0	0.00	0	--	0	--	--
Metalworking Technology	28	0.79	(16)	-36%	(1)	-4%	54,685
Music and Sound Recording	1	0.53	0	0%	0	0%	51,675
Nonmetal Mining	2	0.29	(24)	-92%	0	0%	61,590
Oil and Gas Production and Transportation	1	0.02	(11)	-92%	0	0%	78,741
Paper and Packaging	30	1.11	(1)	-3%	(3)	-10%	77,942
Performing Arts	35	0.76	4	13%	1	3%	52,080
Plastics	4	0.09	(6)	-60%	0	0%	43,203
Printing Services	42	1.19	(2)	-5%	(8)	-19%	43,257
Production Technology and Heavy Machinery	38	0.55	(45)	-54%	(1)	-3%	63,076
Recreational and Small Electric Goods	9	0.62	(6)	-40%	(1)	-11%	53,850
Textile Manufacturing	0	0.00	(1)	-100%	0	--	--
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	1	0.09	1	ND	0	0%	40,040
Transportation and Logistics	4	0.03	(1)	-20%	0	0%	68,966
Upstream Chemical Products	2	0.17	1	100%	0	0%	263,443
Upstream Metal Manufacturing	3	0.10	(1)	-25%	0	0%	54,027
Video Production and Distribution	11	0.51	0	0%	1	9%	93,890
Vulcanized and Fired Materials	7	0.38	(5)	-42%	(2)	-29%	52,113
Water Transportation	1	0.04	1	ND	0	0%	37,116
Wood Products	5	0.18	2	67%	0	0%	44,619
Cluster Total	3,600	N/A	187	5%	77	2%	\$102,343
All Industries	11,062	N/A	840	8%	511	5%	\$55,491

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-7
City of Ojai
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	181	0.44	(43)	-19%	12	7%	\$57,419
Community and Civic Organizations	289	1.28	65	29%	20	7%	25,585
Education and Training	789	2.16	55	7%	36	5%	46,534
Entertainment and Media	64	0.91	(45)	-41%	(3)	-5%	54,647
Financial Services	81	0.66	(14)	-15%	0	0%	76,158
Food and Beverage Processing and Distribution	324	1.66	65	25%	(1)	0%	29,044
Health Services	385	0.50	(69)	-15%	100	26%	48,929
Hospitality Establishments	1,115	2.03	244	28%	36	3%	18,944
Household Goods and Services	209	2.45	91	77%	7	3%	31,789
Industrial Products and Services	9	0.36	(14)	-61%	0	0%	52,745
Logistical Services	97	0.83	88	978%	1	1%	43,047
Motor Vehicle Products and Services	81	0.42	5	7%	2	2%	39,911
Personal Services (Non-Medical)	231	1.37	(22)	-9%	8	3%	29,638
Real Estate, Construction, and Development	501	1.03	56	13%	28	6%	52,840
Retailing of Clothing and General Merchandise	111	0.53	21	23%	2	2%	21,073
Utilities	15	0.27	(3)	-17%	1	7%	68,385
Cluster Total	4,482	N/A	480	12%	249	6%	\$36,758
All Industries	6,489	N/A	783	14%	350	5%	\$54,990

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-8
City of Ojai
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	3	0.11	2	200%	0	0%	\$70,210
Agricultural Inputs and Services	36	2.04	6	20%	2	6%	32,343
Apparel	4	0.53	3	300%	(2)	-50%	53,492
Automotive	1	0.02	(2)	-67%	0	0%	41,425
Biopharmaceuticals	35	2.90	25	250%	(1)	-3%	417,580
Business Services	362	0.90	(28)	-7%	74	20%	72,616
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	4	0.28	(7)	-64%	0	0%	67,217
Construction Products and Services	60	1.41	14	30%	7	12%	70,503
Distribution and Electronic Commerce	121	0.48	24	25%	5	4%	122,968
Downstream Chemical Products	4	0.34	2	100%	0	0%	113,178
Downstream Metal Products	3	0.16	2	200%	0	0%	60,982
Education and Knowledge Creation	115	0.54	10	10%	3	3%	48,134
Electric Power Generation and Transmission	1	0.10	(3)	-75%	0	0%	93,428
Environmental Services	0	0.00	(1)	-100%	0	--	--
Financial Services	21	0.23	(11)	-34%	2	10%	125,823
Fishing and Fishing Products	0	0.00	0	--	0	--	--
Food Processing and Manufacturing	13	0.28	11	550%	0	0%	51,539
Footwear	0	0.00	0	--	0	--	--
Forestry	0	0.00	0	--	0	--	--
Furniture	0	0.00	0	--	0	--	--
Hospitality and Tourism	727	4.74	204	39%	27	4%	28,923
Information Technology and Analytical Instruments	34	0.65	29	580%	4	12%	84,703
Insurance Services	3	0.05	(11)	-79%	0	0%	72,687
Jewelry and Precious Metals	12	7.47	(2)	-14%	(5)	-42%	41,184
Leather and Related Products	0	0.00	0	--	0	--	--
Lighting and Electrical Equipment	7	0.53	7	ND	(1)	-14%	74,053
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	40	0.54	(10)	-20%	1	2%	67,981

Table I-8 (cont.)
City of Ojai
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	2	0.17	1	100%	0	0%	77,322
Metal Mining	0	0.00	0	--	0	--	--
Metalworking Technology	2	0.10	1	100%	0	0%	48,883
Music and Sound Recording	1	0.91	(3)	-75%	0	0%	51,677
Nonmetal Mining	0	0.00	0	--	0	--	--
Oil and Gas Production and Transportation	0	0.00	(1)	-100%	0	--	--
Paper and Packaging	2	0.13	1	100%	0	0%	66,515
Performing Arts	79	2.91	(6)	-7%	1	1%	64,248
Plastics	0	0.00	0	--	0	--	--
Printing Services	7	0.34	1	17%	(1)	-14%	43,667
Production Technology and Heavy Machinery	4	0.10	1	33%	0	0%	69,193
Recreational and Small Electric Goods	2	0.24	2	ND	(1)	-50%	54,790
Textile Manufacturing	0	0.00	0	--	0	--	--
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	0	0.00	0	--	0	--	--
Transportation and Logistics	11	0.14	7	175%	0	0%	68,123
Upstream Chemical Products	0	0.00	0	--	0	--	--
Upstream Metal Manufacturing	0	0.00	0	--	0	--	--
Video Production and Distribution	22	1.74	4	22%	2	9%	105,765
Vulcanized and Fired Materials	2	0.18	2	ND	(1)	-50%	51,148
Water Transportation	0	0.00	0	--	0	--	--
Wood Products	2	0.12	2	ND	0	0%	40,704
Cluster Total	1,742	N/A	276	19%	116	7%	\$62,462
All Industries	6,489	N/A	783	14%	350	5%	\$54,990

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-9
City of Oxnard
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	6,321	1.51	1,311	26%	419	7%	\$40,338
Community and Civic Organizations	2,971	1.28	1,641	123%	445	15%	20,637
Education and Training	4,299	1.15	343	9%	161	4%	49,212
Entertainment and Media	906	1.26	5	1%	(17)	-2%	54,273
Financial Services	744	0.60	(162)	-18%	9	1%	66,191
Food and Beverage Processing and Distribution	2,874	1.44	446	18%	(38)	-1%	37,418
Health Services	5,160	0.65	765	17%	1,176	23%	57,666
Hospitality Establishments	5,367	0.96	1,037	24%	163	3%	18,738
Household Goods and Services	1,192	1.37	174	17%	7	1%	35,003
Industrial Products and Services	150	0.58	(123)	-45%	7	5%	52,097
Logistical Services	795	0.67	(7)	-1%	23	3%	44,569
Motor Vehicle Products and Services	2,258	1.15	132	6%	140	6%	49,120
Personal Services (Non-Medical)	1,452	0.84	(52)	-3%	53	4%	30,966
Real Estate, Construction, and Development	3,065	0.62	(23)	-1%	196	6%	51,445
Retailing of Clothing and General Merchandise	2,178	1.02	(218)	-9%	239	11%	25,072
Utilities	689	1.21	133	24%	(95)	-14%	85,518
Cluster Total	40,421	N/A	5,402	15%	2,888	7%	\$40,671
All Industries	66,408	N/A	6,394	11%	2,037	3%	\$55,598

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-10
City of Oxnard
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	146	0.54	30	26%	(11)	-8%	\$71,205
Agricultural Inputs and Services	2,307	12.75	59	3%	131	6%	35,064
Apparel	67	0.87	10	18%	(29)	-43%	47,579
Automotive	163	0.38	(17)	-9%	(15)	-9%	43,781
Biopharmaceuticals	1,025	8.29	(190)	-16%	(33)	-3%	413,791
Business Services	1,674	0.41	(441)	-21%	192	11%	80,361
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	146	1.01	(145)	-50%	(20)	-14%	73,603
Construction Products and Services	411	0.94	109	36%	46	11%	64,768
Distribution and Electronic Commerce	3,082	1.20	384	14%	9	0%	65,655
Downstream Chemical Products	207	1.73	52	34%	(32)	-15%	95,985
Downstream Metal Products	173	0.89	45	35%	(5)	-3%	61,360
Education and Knowledge Creation	931	0.43	135	17%	69	7%	50,018
Electric Power Generation and Transmission	135	1.37	24	22%	(18)	-13%	120,121
Environmental Services	28	0.53	9	47%	(3)	-11%	56,790
Financial Services	394	0.43	(1)	0%	49	12%	96,560
Fishing and Fishing Products	51	1.50	15	42%	(6)	-12%	44,863
Food Processing and Manufacturing	436	0.92	54	14%	(3)	-1%	72,024
Footwear	1	0.12	(5)	-83%	0	0%	80,591
Forestry	7	0.15	(22)	-76%	0	0%	38,974
Furniture	59	0.35	22	59%	(5)	-8%	45,925
Hospitality and Tourism	820	0.52	239	41%	(7)	-1%	37,902
Information Technology and Analytical Instruments	369	0.69	(126)	-25%	(46)	-12%	78,239
Insurance Services	87	0.15	(192)	-69%	(2)	-2%	116,457
Jewelry and Precious Metals	14	0.85	(1)	-7%	(6)	-43%	50,552
Leather and Related Products	10	0.59	4	67%	(3)	-30%	51,162
Lighting and Electrical Equipment	179	1.32	37	26%	(25)	-14%	69,037
Livestock Processing	4	0.02	0	0%	0	0%	50,094
Marketing, Design, and Publishing	423	0.56	(48)	-10%	11	3%	45,816

Table I-10 (cont.)
City of Oxnard
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	130	1.05	(38)	-23%	(2)	-2%	55,587
Metal Mining	1	0.05	(11)	-92%	0	0%	80,143
Metalworking Technology	1,416	6.64	500	55%	(110)	-8%	71,864
Music and Sound Recording	7	0.62	1	17%	0	0%	52,680
Nonmetal Mining	39	0.94	12	44%	(2)	-5%	61,402
Oil and Gas Production and Transportation	144	0.47	(237)	-62%	14	10%	89,957
Paper and Packaging	310	1.91	32	12%	(38)	-12%	69,235
Performing Arts	158	0.57	22	16%	5	3%	41,957
Plastics	256	0.93	29	13%	(36)	-14%	47,746
Printing Services	255	1.21	(22)	-8%	(52)	-20%	47,980
Production Technology and Heavy Machinery	435	1.04	(93)	-18%	(23)	-5%	62,489
Recreational and Small Electric Goods	262	3.01	(52)	-17%	(57)	-22%	51,902
Textile Manufacturing	4	0.04	(4)	-50%	0	0%	38,569
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	4	0.06	4	ND	0	0%	40,334
Transportation and Logistics	356	0.44	21	6%	12	3%	54,822
Upstream Chemical Products	18	0.25	1	6%	(2)	-11%	248,906
Upstream Metal Manufacturing	95	0.54	20	27%	(7)	-7%	61,092
Video Production and Distribution	28	0.22	2	8%	2	7%	77,835
Vulcanized and Fired Materials	19	0.17	(3)	-14%	(4)	-21%	46,664
Water Transportation	57	0.38	0	0%	2	4%	74,161
Wood Products	37	0.22	6	19%	(1)	-3%	41,190
Cluster Total	17,380	N/A	230	1%	(61)	0%	\$82,274
All Industries	66,408	N/A	6,394	11%	2,037	3%	\$55,598

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-11
City of Port Hueneme
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	204	0.83	(63)	-24%	4	2%	\$51,851
Community and Civic Organizations	349	2.55	239	217%	32	9%	28,097
Education and Training	400	1.81	20	5%	13	3%	48,562
Entertainment and Media	26	0.61	(7)	-21%	(1)	-4%	66,648
Financial Services	71	0.96	(30)	-30%	(1)	-1%	67,571
Food and Beverage Processing and Distribution	124	1.05	(5)	-4%	(1)	-1%	26,977
Health Services	327	0.70	(14)	-4%	90	28%	47,378
Hospitality Establishments	519	1.57	74	17%	15	3%	18,527
Household Goods and Services	76	1.48	17	29%	2	3%	33,821
Industrial Products and Services	20	1.31	(6)	-23%	0	0%	51,324
Logistical Services	73	1.03	48	192%	3	4%	43,539
Motor Vehicle Products and Services	67	0.58	15	29%	4	6%	43,294
Personal Services (Non-Medical)	148	1.46	(36)	-20%	7	5%	28,425
Real Estate, Construction, and Development	144	0.49	(31)	-18%	6	4%	51,383
Retailing of Clothing and General Merchandise	107	0.85	0	0%	18	17%	19,720
Utilities	2	0.06	1	100%	0	0%	49,017
Cluster Total	2,657	N/A	222	9%	191	7%	\$36,990
All Industries	3,921	N/A	96	3%	231	6%	\$56,256

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-12
City of Port Hueneme
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	5	0.31	(2)	-29%	0	0%	\$70,229
Agricultural Inputs and Services	29	2.71	(11)	-28%	2	7%	32,328
Apparel	3	0.66	1	50%	0	0%	44,621
Automotive	16	0.63	(20)	-56%	(4)	-25%	43,698
Biopharmaceuticals	60	8.22	(9)	-13%	(2)	-3%	417,090
Business Services	373	1.54	113	43%	53	14%	80,497
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	1	0.12	(13)	-93%	0	0%	66,932
Construction Products and Services	2	0.08	0	0%	0	0%	60,194
Distribution and Electronic Commerce	43	0.28	(23)	-35%	3	7%	61,142
Downstream Chemical Products	8	1.13	3	60%	(2)	-25%	97,100
Downstream Metal Products	3	0.26	2	200%	0	0%	61,361
Education and Knowledge Creation	65	0.50	1	2%	4	6%	58,054
Electric Power Generation and Transmission	0	0.00	(1)	-100%	0	--	--
Environmental Services	1	0.32	0	0%	0	0%	58,463
Financial Services	30	0.55	(14)	-32%	2	7%	111,391
Fishing and Fishing Products	1	0.50	(5)	-83%	0	0%	50,891
Food Processing and Manufacturing	6	0.21	3	100%	0	0%	62,303
Footwear	0	0.00	0	--	0	--	--
Forestry	4	1.45	1	33%	0	0%	56,396
Furniture	0	0.00	0	--	0	--	--
Hospitality and Tourism	36	0.39	(24)	-40%	0	0%	35,064
Information Technology and Analytical Instruments	16	0.51	(1)	-6%	(1)	-6%	78,353
Insurance Services	2	0.06	(27)	-93%	0	0%	88,976
Jewelry and Precious Metals	1	1.03	0	0%	0	0%	47,551
Leather and Related Products	0	0.00	0	--	0	--	--
Lighting and Electrical Equipment	3	0.37	(1)	-25%	0	0%	66,795
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	37	0.82	(7)	-16%	2	5%	64,903

Table I-12 (cont.)
City of Port Hueneme
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	3	0.41	1	50%	0	0%	69,230
Metal Mining	0	0.00	0	--	0	--	--
Metalworking Technology	3	0.24	(2)	-40%	0	0%	48,240
Music and Sound Recording	0	0.00	0	--	0	--	--
Nonmetal Mining	0	0.00	0	--	0	--	--
Oil and Gas Production and Transportation	0	0.00	(1)	-100%	0	--	--
Paper and Packaging	4	0.42	0	0%	0	0%	83,391
Performing Arts	8	0.49	(1)	-11%	0	0%	34,915
Plastics	0	0.00	0	--	0	--	--
Printing Services	6	0.48	3	100%	(1)	-17%	43,325
Production Technology and Heavy Machinery	5	0.20	(2)	-29%	0	0%	65,971
Recreational and Small Electric Goods	3	0.58	(1)	-25%	0	0%	53,226
Textile Manufacturing	0	0.00	0	--	0	--	--
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	0	0.00	0	--	0	--	--
Transportation and Logistics	50	1.04	(26)	-34%	1	2%	60,635
Upstream Chemical Products	0	0.00	0	--	0	--	--
Upstream Metal Manufacturing	0	0.00	0	--	0	--	--
Video Production and Distribution	1	0.13	0	0%	0	0%	47,366
Vulcanized and Fired Materials	0	0.00	0	--	0	--	--
Water Transportation	68	7.62	7	11%	4	6%	71,649
Wood Products	0	0.00	0	--	0	--	--
Cluster Total	896	N/A	(56)	-6%	61	7%	\$93,508
All Industries	3,921	N/A	96	3%	231	6%	\$56,256

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-13
City of Santa Paula
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	149	0.35	(21)	-12%	4	3%	\$52,022
Community and Civic Organizations	241	1.02	132	121%	9	4%	22,807
Education and Training	527	1.39	26	5%	21	4%	50,229
Entertainment and Media	34	0.47	12	55%	2	6%	43,596
Financial Services	75	0.59	(38)	-34%	0	0%	73,073
Food and Beverage Processing and Distribution	248	1.22	(52)	-17%	(1)	0%	29,322
Health Services	364	0.45	(43)	-11%	84	23%	54,809
Hospitality Establishments	706	1.24	220	45%	22	3%	19,231
Household Goods and Services	98	1.11	38	63%	3	3%	34,125
Industrial Products and Services	108	4.11	97	882%	1	1%	50,072
Logistical Services	105	0.87	50	91%	3	3%	51,053
Motor Vehicle Products and Services	355	1.78	(2)	-1%	16	5%	53,114
Personal Services (Non-Medical)	114	0.65	(14)	-11%	6	5%	31,541
Real Estate, Construction, and Development	937	1.85	182	24%	77	8%	53,451
Retailing of Clothing and General Merchandise	219	1.01	23	12%	0	0%	20,447
Utilities	11	0.19	(6)	-35%	(1)	-9%	54,471
Cluster Total	4,291	N/A	604	16%	246	6%	\$41,763
All Industries	6,747	N/A	(318)	-5%	170	3%	\$55,860

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-14
City of Santa Paula
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	31	1.13	(11)	-26%	(2)	-6%	\$70,071
Agricultural Inputs and Services	201	10.93	(266)	-57%	11	5%	39,439
Apparel	11	1.41	2	22%	(6)	-55%	50,755
Automotive	54	1.24	2	4%	(10)	-19%	40,909
Biopharmaceuticals	133	10.58	(21)	-14%	(4)	-3%	417,093
Business Services	94	0.23	(32)	-25%	14	15%	71,677
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	9	0.61	(34)	-79%	2	22%	116,407
Construction Products and Services	36	0.81	(6)	-14%	7	19%	66,627
Distribution and Electronic Commerce	340	1.31	116	52%	(1)	0%	135,709
Downstream Chemical Products	23	1.90	5	28%	(4)	-17%	107,783
Downstream Metal Products	15	0.76	2	15%	0	0%	60,576
Education and Knowledge Creation	126	0.57	12	11%	11	9%	50,718
Electric Power Generation and Transmission	0	0.00	0	--	0	--	--
Environmental Services	3	0.56	3	ND	0	0%	74,920
Financial Services	27	0.29	7	35%	3	11%	113,190
Fishing and Fishing Products	0	0.00	(1)	-100%	0	--	--
Food Processing and Manufacturing	43	0.89	(1)	-2%	(2)	-5%	118,046
Footwear	0	0.00	(1)	-100%	0	--	--
Forestry	0	0.00	(3)	-100%	0	--	--
Furniture	16	0.93	4	33%	(1)	-6%	43,024
Hospitality and Tourism	27	0.17	4	17%	0	0%	31,703
Information Technology and Analytical Instruments	42	0.77	(4)	-9%	(4)	-10%	80,556
Insurance Services	4	0.07	(22)	-85%	0	0%	81,141
Jewelry and Precious Metals	2	1.20	0	0%	(1)	-50%	45,876
Leather and Related Products	0	0.00	0	--	0	--	--
Lighting and Electrical Equipment	10	0.73	(1)	-9%	(1)	-10%	61,978
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	31	0.40	(34)	-52%	2	6%	48,154

Table I-14 (cont.)
City of Santa Paula
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	11	0.87	6	120%	0	0%	61,825
Metal Mining	0	0.00	(1)	-100%	0	--	--
Metalworking Technology	63	2.91	20	47%	0	0%	62,521
Music and Sound Recording	0	0.00	0	--	0	--	--
Nonmetal Mining	3	0.71	2	200%	0	0%	53,128
Oil and Gas Production and Transportation	41	1.33	(18)	-31%	3	7%	116,011
Paper and Packaging	11	0.67	(53)	-83%	0	0%	72,902
Performing Arts	12	0.42	1	9%	0	0%	38,262
Plastics	8	0.29	1	14%	(1)	-13%	45,431
Printing Services	14	0.65	(2)	-13%	(3)	-21%	41,928
Production Technology and Heavy Machinery	15	0.35	(8)	-35%	0	0%	62,392
Recreational and Small Electric Goods	5	0.57	(7)	-58%	0	0%	54,380
Textile Manufacturing	0	0.00	0	--	0	--	--
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	0	0.00	0	--	0	--	--
Transportation and Logistics	41	0.50	(22)	-35%	1	2%	62,653
Upstream Chemical Products	2	0.27	0	0%	0	0%	277,139
Upstream Metal Manufacturing	3	0.17	(2)	-40%	0	0%	54,442
Video Production and Distribution	2	0.15	0	0%	0	0%	47,366
Vulcanized and Fired Materials	44	3.89	2	5%	(10)	-23%	50,992
Water Transportation	1	0.07	0	0%	0	0%	35,864
Wood Products	4	0.23	(1)	-20%	0	0%	39,844
Cluster Total	1,558	N/A	(362)	-19%	4	0%	\$108,492
All Industries	6,747	N/A	(318)	-5%	170	3%	\$55,860

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-15
City of Simi Valley
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	2,318	0.87	(354)	-13%	114	5%	\$44,304
Community and Civic Organizations	1,300	0.88	347	36%	220	17%	22,335
Education and Training	2,174	0.91	143	7%	89	4%	48,444
Entertainment and Media	526	1.15	(30)	-5%	(33)	-6%	49,531
Financial Services	2,971	3.72	900	43%	(60)	-2%	85,046
Food and Beverage Processing and Distribution	1,838	1.44	286	18%	(7)	0%	31,091
Health Services	3,826	0.75	578	18%	1,037	27%	52,132
Hospitality Establishments	4,420	1.23	406	10%	143	3%	18,750
Household Goods and Services	1,075	1.93	175	19%	11	1%	32,848
Industrial Products and Services	279	1.69	(51)	-15%	6	2%	50,063
Logistical Services	592	0.77	124	26%	57	10%	45,349
Motor Vehicle Products and Services	1,510	1.20	276	22%	98	6%	48,126
Personal Services (Non-Medical)	1,399	1.27	103	8%	47	3%	30,424
Real Estate, Construction, and Development	3,698	1.16	434	13%	242	7%	51,880
Retailing of Clothing and General Merchandise	2,153	1.57	232	12%	(213)	-10%	21,152
Utilities	210	0.57	(85)	-29%	(32)	-15%	87,935
Cluster Total	30,289	N/A	3,484	13%	1,719	6%	\$43,001
All Industries	42,470	N/A	678	2%	1,984	5%	\$55,362

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-16
City of Simi Valley
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	123	0.71	(121)	-50%	(10)	-8%	\$68,674
Agricultural Inputs and Services	16	0.14	3	23%	0	0%	50,561
Apparel	30	0.61	15	100%	(15)	-50%	47,883
Automotive	33	0.12	(41)	-55%	(3)	-9%	55,638
Biopharmaceuticals	358	4.53	48	15%	(12)	-3%	416,315
Business Services	2,624	1.00	84	3%	376	14%	83,691
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	172	1.86	(64)	-27%	(22)	-13%	78,937
Construction Products and Services	99	0.36	(55)	-36%	7	7%	67,620
Distribution and Electronic Commerce	1,089	0.66	(39)	-3%	52	5%	82,580
Downstream Chemical Products	85	1.11	(52)	-38%	(12)	-14%	88,412
Downstream Metal Products	72	0.58	24	50%	(1)	-1%	52,116
Education and Knowledge Creation	484	0.35	(57)	-11%	26	5%	51,150
Electric Power Generation and Transmission	8	0.13	(1)	-11%	(1)	-13%	120,980
Environmental Services	8	0.24	(30)	-79%	0	0%	50,240
Financial Services	1,995	3.39	(1,851)	-48%	134	7%	91,056
Fishing and Fishing Products	2	0.09	1	100%	0	0%	59,514
Food Processing and Manufacturing	37	0.12	1	3%	(1)	-3%	78,774
Footwear	1	0.18	(3)	-75%	0	0%	79,443
Forestry	0	0.00	0	--	0	--	--
Furniture	19	0.17	(1)	-5%	(1)	-5%	44,653
Hospitality and Tourism	298	0.30	(90)	-23%	1	0%	39,909
Information Technology and Analytical Instruments	673	1.97	5	1%	(63)	-9%	73,214
Insurance Services	116	0.30	(519)	-82%	(6)	-5%	92,081
Jewelry and Precious Metals	6	0.57	(1)	-14%	(3)	-50%	52,177
Leather and Related Products	4	0.37	1	33%	(1)	-25%	51,329
Lighting and Electrical Equipment	139	1.60	(27)	-16%	(20)	-14%	81,527
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	309	0.63	4	1%	11	4%	73,899

Table I-16 (cont.)
City of Simi Valley
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	235	2.97	54	30%	(8)	-3%	59,504
Metal Mining	0	0.00	(1)	-100%	0	--	--
Metalworking Technology	156	1.14	(6)	-4%	(5)	-3%	53,130
Music and Sound Recording	10	1.39	(2)	-17%	0	0%	51,281
Nonmetal Mining	31	1.17	(22)	-42%	(1)	-3%	61,469
Oil and Gas Production and Transportation	14	0.07	(29)	-67%	1	7%	86,359
Paper and Packaging	29	0.28	(5)	-15%	(3)	-10%	76,219
Performing Arts	144	0.81	21	17%	3	2%	57,488
Plastics	142	0.81	(12)	-8%	(19)	-13%	48,515
Printing Services	238	1.76	185	349%	(49)	-21%	47,014
Production Technology and Heavy Machinery	149	0.56	27	22%	(5)	-3%	65,604
Recreational and Small Electric Goods	36	0.65	(5)	-12%	(6)	-17%	47,659
Textile Manufacturing	1	0.02	(2)	-67%	0	0%	48,834
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	3	0.07	2	200%	0	0%	40,302
Transportation and Logistics	91	0.18	(43)	-32%	5	5%	56,419
Upstream Chemical Products	3	0.07	1	50%	0	0%	268,390
Upstream Metal Manufacturing	11	0.10	0	0%	(2)	-18%	55,524
Video Production and Distribution	56	0.68	(5)	-8%	5	9%	92,557
Vulcanized and Fired Materials	14	0.20	7	100%	(3)	-21%	46,830
Water Transportation	8	0.08	0	0%	0	0%	68,916
Wood Products	8	0.07	1	14%	0	0%	43,271
Cluster Total	10,179	N/A	(2,600)	-20%	349	3%	\$88,450
All Industries	42,470	N/A	678	2%	1,984	5%	\$55,362

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-17
City of Thousand Oaks
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	4,079	0.90	(153)	-4%	142	3%	\$54,923
Community and Civic Organizations	1,726	0.69	724	72%	408	24%	24,083
Education and Training	3,497	0.86	346	11%	131	4%	47,795
Entertainment and Media	1,503	1.93	105	8%	(37)	-2%	40,892
Financial Services	1,857	1.37	(603)	-25%	62	3%	65,864
Food and Beverage Processing and Distribution	2,488	1.15	457	23%	(14)	-1%	31,756
Health Services	8,210	0.96	1,419	21%	2,008	24%	56,544
Hospitality Establishments	8,331	1.37	1,146	16%	281	3%	19,294
Household Goods and Services	1,440	1.53	209	17%	15	1%	32,546
Industrial Products and Services	193	0.69	(88)	-31%	9	5%	50,784
Logistical Services	613	0.47	253	70%	(1)	0%	44,893
Motor Vehicle Products and Services	2,384	1.12	267	13%	155	7%	52,415
Personal Services (Non-Medical)	2,294	1.23	122	6%	121	5%	29,794
Real Estate, Construction, and Development	4,528	0.84	459	11%	270	6%	53,486
Retailing of Clothing and General Merchandise	2,659	1.15	(17)	-1%	(105)	-4%	21,077
Utilities	357	0.58	(177)	-33%	(54)	-15%	81,862
Cluster Total	46,159	N/A	4,469	11%	3,391	7%	\$41,713
All Industries	71,889	N/A	3,138	5%	3,741	5%	\$55,158

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-18
City of Thousand Oaks
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	241	0.83	(10)	-4%	(20)	-8%	\$79,921
Agricultural Inputs and Services	29	0.15	(8)	-22%	0	0%	80,426
Apparel	71	0.85	(7)	-9%	(33)	-46%	56,064
Automotive	63	0.14	(91)	-59%	(12)	-19%	40,916
Biopharmaceuticals	3,363	25.12	(673)	-17%	(110)	-3%	415,437
Business Services	3,582	0.80	(25)	-1%	501	14%	84,683
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	283	1.81	(321)	-53%	(39)	-14%	74,356
Construction Products and Services	312	0.66	61	24%	18	6%	65,793
Distribution and Electronic Commerce	2,671	0.96	(197)	-7%	80	3%	165,434
Downstream Chemical Products	330	2.55	49	17%	(54)	-16%	99,253
Downstream Metal Products	258	1.22	31	14%	(7)	-3%	57,770
Education and Knowledge Creation	2,636	1.11	(9)	0%	246	9%	55,931
Electric Power Generation and Transmission	92	0.86	(12)	-12%	(12)	-13%	121,003
Environmental Services	9	0.16	(14)	-61%	(2)	-22%	69,299
Financial Services	1,730	1.74	276	19%	178	10%	95,958
Fishing and Fishing Products	1	0.03	(1)	-50%	0	0%	57,324
Food Processing and Manufacturing	210	0.41	(30)	-13%	(5)	-2%	78,021
Footwear	2	0.22	(14)	-88%	(1)	-50%	83,013
Forestry	0	0.00	0	--	0	--	--
Furniture	148	0.80	30	25%	(12)	-8%	45,929
Hospitality and Tourism	1,453	0.85	254	21%	26	2%	37,922
Information Technology and Analytical Instruments	1,928	3.34	629	48%	(231)	-12%	114,192
Insurance Services	1,189	1.83	(874)	-42%	28	2%	120,965
Jewelry and Precious Metals	30	1.69	(1)	-3%	(13)	-43%	43,944
Leather and Related Products	11	0.60	6	120%	(3)	-27%	55,684
Lighting and Electrical Equipment	204	1.39	(18)	-8%	(26)	-13%	61,528
Livestock Processing	1	0.00	1	ND	0	0%	49,269
Marketing, Design, and Publishing	1,099	1.33	119	12%	18	2%	81,425

Table I-18 (cont.)
City of Thousand Oaks
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	193	1.44	56	41%	(8)	-4%	68,625
Metal Mining	0	0.00	0	--	0	--	--
Metalworking Technology	365	1.58	(23)	-6%	(6)	-2%	60,356
Music and Sound Recording	20	1.64	(9)	-31%	1	5%	51,743
Nonmetal Mining	1	0.02	0	0%	0	0%	61,627
Oil and Gas Production and Transportation	20	0.06	(25)	-56%	0	0%	88,069
Paper and Packaging	155	0.88	(25)	-14%	(16)	-10%	78,036
Performing Arts	357	1.19	(119)	-25%	8	2%	55,860
Plastics	91	0.31	28	44%	(12)	-13%	46,387
Printing Services	206	0.90	(182)	-47%	(42)	-20%	47,929
Production Technology and Heavy Machinery	323	0.72	12	4%	(14)	-4%	62,155
Recreational and Small Electric Goods	116	1.23	(28)	-19%	(25)	-22%	51,844
Textile Manufacturing	6	0.06	(4)	-40%	(1)	-17%	41,438
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	4	0.06	4	ND	0	0%	39,263
Transportation and Logistics	59	0.07	(24)	-29%	1	2%	62,262
Upstream Chemical Products	23	0.29	5	28%	(3)	-13%	252,335
Upstream Metal Manufacturing	36	0.19	(54)	-60%	(4)	-11%	53,672
Video Production and Distribution	77	0.55	(23)	-23%	6	8%	66,422
Vulcanized and Fired Materials	35	0.29	(4)	-10%	(7)	-20%	48,134
Water Transportation	17	0.10	(5)	-23%	0	0%	45,441
Wood Products	120	0.66	57	90%	(5)	-4%	46,683
Cluster Total	24,170	N/A	(1,212)	-5%	388	2%	\$135,157
All Industries	71,889	N/A	3,138	5%	3,741	5%	\$55,158

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-19
City of Ventura
Local Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Commercial Services	2,644	0.68	(538)	-17%	103	4%	\$57,320
Community and Civic Organizations	2,692	1.25	1,021	61%	142	5%	22,044
Education and Training	2,838	0.82	235	9%	116	4%	48,722
Entertainment and Media	717	1.07	(87)	-11%	(24)	-3%	38,045
Financial Services	680	0.59	(208)	-23%	5	1%	66,581
Food and Beverage Processing and Distribution	1,945	1.05	528	37%	(2)	0%	32,325
Health Services	9,984	1.35	107	1%	1,435	14%	62,535
Hospitality Establishments	6,414	1.23	805	14%	188	3%	19,023
Household Goods and Services	1,025	1.26	(2)	0%	13	1%	32,699
Industrial Products and Services	168	0.70	(64)	-28%	12	7%	50,183
Logistical Services	995	0.90	260	35%	38	4%	45,743
Motor Vehicle Products and Services	2,063	1.13	296	17%	127	6%	50,601
Personal Services (Non-Medical)	1,492	0.93	(76)	-5%	60	4%	32,635
Real Estate, Construction, and Development	4,655	1.01	(17)	0%	331	7%	54,645
Retailing of Clothing and General Merchandise	2,313	1.16	58	3%	(196)	-8%	20,153
Utilities	264	0.50	(105)	-28%	(21)	-8%	80,143
Cluster Total	40,889	N/A	2,213	6%	2,327	6%	\$43,866
All Industries	61,766	N/A	1,546	3%	2,399	4%	\$61,792

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.

Table I-20
City of Ventura
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Aerospace Vehicles and Defense	77	0.31	(8)	-9%	(6)	-8%	\$70,875
Agricultural Inputs and Services	365	2.17	35	11%	20	5%	39,559
Apparel	42	0.59	18	75%	(19)	-45%	46,025
Automotive	50	0.13	1	2%	(6)	-12%	54,050
Biopharmaceuticals	203	1.76	(24)	-11%	(7)	-3%	260,203
Business Services	2,683	0.70	56	2%	301	11%	75,235
Coal Mining	0	0.00	0	--	0	--	--
Communications Equipment and Services	56	0.42	(148)	-73%	2	4%	92,173
Construction Products and Services	313	0.77	(32)	-9%	62	20%	66,137
Distribution and Electronic Commerce	1,268	0.53	(56)	-4%	77	6%	78,230
Downstream Chemical Products	159	1.43	52	49%	(25)	-16%	144,927
Downstream Metal Products	347	1.91	238	218%	2	1%	50,293
Education and Knowledge Creation	712	0.35	12	2%	64	9%	48,289
Electric Power Generation and Transmission	6	0.07	(55)	-90%	0	0%	101,394
Environmental Services	10	0.20	(38)	-79%	(2)	-20%	63,945
Financial Services	263	0.31	(82)	-24%	36	14%	100,000
Fishing and Fishing Products	14	0.44	(1)	-7%	(2)	-14%	57,862
Food Processing and Manufacturing	261	0.59	49	23%	(6)	-2%	55,174
Footwear	1	0.13	(3)	-75%	0	0%	82,024
Forestry	0	0.00	(1)	-100%	0	--	--
Furniture	125	0.79	83	198%	(8)	-6%	34,604
Hospitality and Tourism	1,183	0.81	(151)	-11%	33	3%	32,921
Information Technology and Analytical Instruments	532	1.07	(133)	-20%	(61)	-11%	101,579
Insurance Services	85	0.15	(131)	-61%	(2)	-2%	92,477
Jewelry and Precious Metals	6	0.39	0	0%	(3)	-50%	50,576
Leather and Related Products	4	0.25	1	33%	(1)	-25%	52,216
Lighting and Electrical Equipment	148	1.17	29	24%	(15)	-10%	64,570
Livestock Processing	0	0.00	0	--	0	--	--
Marketing, Design, and Publishing	622	0.88	(166)	-21%	8	1.3%	66,568

Table I-20 (cont.)
City of Ventura
Traded Cluster Employment Statistics

Cluster	Employees (2016q3)	LQ	Employees (2011q3 -16q3 Δ)	Employees (2011q3 -16q3 %Δ)	Employees 10-year Forecast	Employees 10-year Forecast %	Annual Avg Wage
Medical Devices	130	1.13	25	24%	(5)	-4%	62,046
Metal Mining	0	0.00	(2)	-100%	0	--	--
Metalworking Technology	96	0.48	(50)	-34%	(1)	-1%	53,128
Music and Sound Recording	8	0.76	(2)	-20%	0	0%	51,750
Nonmetal Mining	15	0.39	10	200%	(1)	-7%	61,244
Oil and Gas Production and Transportation	483	1.71	48	11%	42	9%	106,034
Paper and Packaging	55	0.36	9	20%	(5)	-9%	75,045
Performing Arts	180	0.70	(20)	-10%	5	3%	41,759
Plastics	88	0.35	(7)	-7%	(12)	-14%	49,943
Printing Services	100	0.51	(13)	-12%	(20)	-20%	46,867
Production Technology and Heavy Machinery	118	0.30	(9)	-7%	(3)	-3%	61,467
Recreational and Small Electric Goods	124	1.53	25	25%	(21)	-17%	45,288
Textile Manufacturing	1	0.01	(2)	-67%	0	0%	51,100
Tobacco	0	0.00	0	--	0	--	--
Trailers, Motor Homes, and Appliances	2	0.03	2	ND	0	0%	39,571
Transportation and Logistics	136	0.18	(5)	-4%	3	2%	61,682
Upstream Chemical Products	116	1.73	92	383%	(17)	-15%	268,913
Upstream Metal Manufacturing	59	0.36	16	37%	(5)	-8%	50,079
Video Production and Distribution	40	0.33	4	11%	3	8%	114,175
Vulcanized and Fired Materials	11	0.11	(13)	-54%	(1)	-9%	48,230
Water Transportation	35	0.25	5	17%	1	3%	82,857
Wood Products	25	0.16	6	32%	(1)	-4%	41,754
Cluster Total	11,357	N/A	(336)	-3%	404	4%	\$73,051
All Industries	61,766	N/A	1,546	3%	2,399	4%	\$61,792

Notes: "--" = no employees; ND = not defined

SOURCE: U.S. Cluster Mapping Benchmark Definitions (Delgado, Porter, Stern 2013); Chmura Economics and Analytics, JobsEQ; TNDG.