

**Impact of a National Decline in
the Automotive Industry on
Pennsylvania**

**Center for Workforce
Information & Analysis
(CWIA)**

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Executive Summary

This report outlines the overall employment and specific industries, companies, and occupations likely to be impacted by a national decline in the automotive industry. All data provided are estimates.

CWIA based its impact analysis on estimates provided by the Center for Automotive Research (CAR). CAR estimates that approximately 22 percent of North American vehicle production will be eliminated between 2004 and 2008. CAR estimates that nationally roughly 100,000 jobs in this industry will be lost with an additional 250,000 jobs in the automotive supplier industries. CAR predicts that in total, the U.S. economy will lose about 428,000 workers.

In the event of a projected 22 percent decline in domestic production of cars and light trucks, Pennsylvania can expect a loss of 4,000 jobs in the automotive supplier industries, 2,000 jobs in the peripheral industries, for a total loss of approximately 6,000 jobs occurring between 2004 and 2008.

Across all industries, the state can expect a total output (sales) loss of approximately 1 billion dollars between 2004 and 2008. Over 300 million dollars in employee compensation, or wages and benefits, will be lost. State government will lose over 31 million dollars in tax revenues from businesses and individuals.

Industries projected to lose at least 100 jobs as a result of the automotive downturn include motor vehicle parts manufacturing; motor vehicle supplies and new parts merchants (wholesale); automotive and other motor vehicle merchants (wholesale); machine shops; motor vehicle body manufacturing; iron and steel mills; ferrous metal foundries; glass and glass products (except containers); and turned product and screw, nut, and bolt manufacturing.

Occupations expected to experience the most significant job losses (at least 200) include: metal and plastic workers; assemblers and fabricators; miscellaneous production workers; material moving occupations; motor vehicle operators; and material recording, scheduling, dispatching, and distributing occupations.

Workers in these occupations already possess a range of knowledge, skills, and abilities that are applicable in related occupations and which can be enhanced by additional training to prepare them for work in other industries.

Data

The following tables in the appendices will provide the specific industries, companies, occupations, occupational skills, and targeted companies associated with the automotive slowdown. ***All tables are for administrative use only.***

Appendix A - Outlines all industries affected (job loss of 10 or more) by a slowdown in the automotive industry. Included is an estimated count of lost jobs, and the current number of establishments in the industry.

Appendix B – Based on supply chain analysis, lists Pennsylvania companies (employee size 50 and above) likely to be directly and immediately affected by a slowdown in the automotive industry.

Appendix C - Outlines all occupations in all industries affected (job loss of 10 or more) by a slowdown in the automotive industry. Included are an estimated count of lost jobs and the associated occupational wage.

Appendix D - Outlines the knowledge, skills, abilities, and work activities associated with the occupations most likely to be affected by a slowdown in the automotive industry. These factors are important for assessing the skills that potentially laid-off workers already possess and are therefore available for use in related occupations; they also indicate the types of work these individuals have actually performed if it becomes necessary to retrain them for work in other fields.

Appendix E - Lists the NAICS codes for each identified industry.

Appendix F - Industry maps.

Appendix A - Industry Job Loss List

The following table outlines all industries affected (job loss of 10 or more) by a slowdown in the automotive industry. Included are an estimated count of lost jobs from 2004 to 2008 and the current number of establishments in the industry.

PA Industry	Job Loss	Number of Companies
Motor Vehicle Parts Manufacturing	-560	<i>The data in this column was removed to protect confidentiality</i>
Wholesale Trade	-450	
Elementary And Secondary Schools	-380	
Hospitals	-230	
Truck Transportation	-170	
Machine Shops	-170	
Motor Vehicle Body Manufacturing	-150	
Hotels And Motels, Including Casino Hotels	-140	
Iron And Steel Mills	-130	
Ferrous Metal Foundries	-130	
Plastics Plumbing Fixtures And All Other Plastics	-110	
Glass And Glass Products, Except Glass Containers	-110	
Offices Of Physicians, Dentists, And Other Health	-110	
Turned Product And Screw, Nut, And Bolt Manufacturing	-100	
Totalizing Fluid Meters And Counting Devices	-90	
Services To Buildings And Dwellings	-90	
Other Amusement, Gambling, And Recreation Industries	-80	
Automotive Repair And Maintenance, Except Car Wash	-80	
Colleges, Universities, And Junior Colleges	-80	
Aluminum Foundries	-70	
Food Services And Drinking Places	-70	
Special Tool, Die, Jig, And Fixture Manufacturing	-60	
Spring And Wire Product Manufacturing	-60	
Newspaper Publishers	-50	
Plate Work Manufacturing	-50	
Nonstore Retailers	-50	
Transit And Ground Passenger Transportation	-50	
All Other Forging And Stamping	-50	
Insurance Agencies, Brokerages, And Related	-50	
Audio And Video Equipment Manufacturing	-50	
Couriers And Messengers	-40	
All Other Electronic Component Manufacturing	-40	
Employment Services	-40	
Management Of Companies And Enterprises	-40	
Sheet Metal Work Manufacturing	-40	
Food And Beverage Stores	-40	
Miscellaneous Store Retailers	-30	
Iron And Steel Forging	-30	
Postal Service	-30	
Other Ambulatory Health Care Services	-30	
Pharmaceutical And Medicine Manufacturing	-30	
Commercial Printing	-30	
Metal Valve Manufacturing	-30	
Metal Coating And Nonprecious Engraving	-30	
Paint And Coating Manufacturing	-30	
Business Support Services	-30	
Hardware Manufacturing	-30	

PA Industry	Job Loss	Number of Companies
Coal Mining	-30	<i>The data in this column was removed to protect confidentiality</i>
Foam Product Manufacturing	-30	
Automobile And Light Truck Manufacturing	-30	
Industrial Gas Manufacturing	-20	
Securities, Commodity Contracts, Investments	-20	
Other Rubber Product Manufacturing	-20	
Industrial Mold Manufacturing	-20	
Nursing And Residential Care Facilities	-20	
Wiring Device Manufacturing	-20	
Ac, Refrigeration, And Forced Air Heating	-20	
Cut And Sew Apparel Manufacturing	-20	
Plastics Material And Resin Manufacturing	-20	
Management Consulting Services	-20	
Clothing And Clothing Accessories Stores	-20	
Bread And Bakery Product, Except Frozen, Manufacturing	-20	
Electric Lamp Bulb And Part Manufacturing	-20	
Electroplating, Anodizing, And Coloring Metal	-20	
Greenhouse And Nursery Production	-20	
Accounting And Bookkeeping Services	-20	
Paperboard Container Manufacturing	-20	
Social Assistance, Except Child Day Care Services	-20	
Periodical Publishers	-20	
Cutting Tool And Machine Tool Accessory Manufacturing	-20	
Air Transportation	-20	
Computer Systems Design Services	-10	
Plastics Packaging Materials, Film And Sheet	-10	
Building Material And Garden Supply Stores	-10	
Nonwoven Fabric Mills	-10	
Waste Management And Remediation Services	-10	
Leather And Hide Tanning And Finishing	-10	
Adhesive Manufacturing	-10	
Veterinary Services	-10	
Semiconductors And Related Device Manufacturing	-10	
Miscellaneous Fabricated Metal Product Manufacturing	-10	
Copper Rolling, Drawing, And Extruding	-10	
Confectionery Manufacturing From Purchased Chocolate	-10	
Architectural And Engineering Services	-10	
Other Snack Food Manufacturing	-10	
Child Day Care Services	-10	
Health And Personal Care Stores	-10	
All Other Petroleum And Coal Products Manufacturing	-10	
Commercial Machinery Repair And Maintenance	-10	
Porcelain Electrical Supply Manufacturing	-10	
Other Miscellaneous Textile Product Mills	-10	
Ferroalloy And Related Product Manufacturing	-10	
Speed Changers And Mechanical Power Transmission E	-10	
Relay And Industrial Control Manufacturing	-10	
Scenic And Sightseeing Transportation And Support	-10	
Gasoline Stations	-10	
Motorcycle, Bicycle, And Parts Manufacturing	-10	
Monetary Authorities And Depository Credit Intermediates	-10	
All Other Industries	-830	
Total	-6,150	

Appendix B - List of Affected Companies

Based on supply chain analysis, the following Pennsylvania companies (employee size 50 and above) are likely to be directly and immediately affected by a slowdown in the automotive industry. Companies are sorted from largest to smallest. Included are company name and location. **Companies with an asterisk (*) are recommended high priority contacts as determined by** an econometric model. The companies have already displayed declining employment levels and associated claim activity. Included are business name, employment level, industry code, annual job loss (2005), and percent loss.

Company	County Name
<i>The data in this column was removed to protect confidentiality.</i>	<i>The data in this column was removed to protect confidentiality.</i>

Company	County Name
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Company	County Name
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Company	County Name
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Appendix C – Occupational Job Loss List

The following table outlines all occupations in all industries affected (employment loss of 10 or more) by a slowdown in the automotive industry. Included are an estimated count of lost jobs from 2004 to 2008, the associated occupational wage (November 2005) and the occupational code.

Occupational Title	Job Loss	Average Wage	SOC Code
Metal Workers And Plastic Workers	-810	\$32,353	51-4000
Assemblers And Fabricators	-430	\$27,302	51-2000
Other Production Occupations	-420	\$29,297	51-9000
Material Moving Occupations	-350	\$24,680	53-7000
Motor Vehicle Operators	-250	\$29,146	53-3000
Material Recording, Scheduling, Dispatching, & Distributing Occupations	-210	\$29,217	43-5000
Other Installation, Maintenance, And Repair Occupations	-190	\$34,991	49-9000
Information And Record Clerks	-180	\$26,835	43-4000
Other Office And Administrative Support Workers	-160	\$25,279	43-9000
Building Cleaning And Pest Control Workers	-140	\$20,641	37-2000
Sales Representatives, Wholesale And Manufacturing	-130	\$58,874	41-4000
Secretaries And Administrative Assistants	-130	\$30,119	43-6000
Supervisors, Production Workers	-130	\$51,015	51-1000
Health Diagnosing And Treating Practitioners	-130	\$67,849	29-1000
Financial Clerks	-130	\$27,210	43-3000
Engineers	-120	\$70,353	17-2000
Top Executives	-120	\$92,075	11-1000
Retail Sales Workers	-110	\$19,566	41-2000
Operations Specialties Managers	-110	\$84,885	11-3000
Business Operations Specialists	-110	\$55,525	13-1000
Postsecondary Teachers	-100	\$63,765	25-1000
Computer Specialists	-90	\$62,500	15-1000
Construction Trades And Related Workers	-80	\$38,836	47-2000
Other Management Occupations	-80	\$72,265	11-9000
Vehicle And Mobile Equipment Mechanics, Installers, And Repairers	-80	\$33,477	49-3000
Textile, Apparel, And Furnishings Occupations	-80	\$21,368	51-6000
Food And Beverage Serving Workers	-80	\$15,369	35-3000
Primary, Secondary, And Special Education Teachers	-70	\$47,305	25-2000
Health Technologists And Technicians	-70	\$35,551	29-2000
Drafters, Engineering, And Mapping Technicians	-70	\$43,193	17-3000
Financial Specialists	-60	\$57,251	13-2000
Supervisors, Office And Administrative Support Workers	-50	\$46,714	43-1000
Other Sales And Related Workers	-50	\$36,425	41-9000
Cooks And Food Preparation Workers	-40	\$18,289	35-2000
Grounds Maintenance Workers	-40	\$22,723	37-3000
Other Healthcare Support Occupations	-40	\$25,508	31-9000
Supervisors, Sales Workers	-40	\$47,464	41-1000
Advertising, Marketing, Promotions, Public Relations, & Sales Managers	-40	\$89,090	11-2000
Other Personal Care And Service Workers	-30	\$19,481	39-9000
Printing Occupations	-30	\$32,258	51-5000
Nursing, Psychiatric, And Home Health Aides	-30	\$22,023	31-1000
Other Education, Training, And Library Occupations	-30	\$22,346	25-9000
Food Processing Occupations	-30	\$24,144	51-3000
Other Teachers And Instructors	-30	\$37,262	25-3000
Supervisors Of Installation, Maintenance, And Repair Workers	-30	\$54,885	49-1000

Occupational Title	Job Loss	Average Wage	SOC Code
Supervisors, Transportation And Material Moving Workers	-20	\$48,636	53-1000
Other Protective Service Workers	-20	\$21,432	33-9000
Sales Representatives, Services	-20	\$57,643	41-3000
Other Food Preparation And Serving Related Workers	-20	\$15,704	35-9000
Media And Communication Occupations	-20	\$44,143	27-3000
Counselors, Social Workers, & Other Community & Social Service Spec.	-20	\$33,765	21-1000
Electrical And Electronic Equipment Mechanics, Installers, And Repairers	-20	\$41,957	49-2000
Plant And System Operators	-20	\$43,027	51-8000
Agricultural Workers	-20	\$20,601	45-2000
Art And Design Occupations	-20	\$36,733	27-1000
Life, Physical, And Social Science Technicians	-20	\$39,529	19-4000
Woodworkers	-20	\$27,149	51-7000
Entertainment Attendants And Related Workers	-20	\$18,149	39-3000
Entertainers And Performers, Sports And Related Occupations	-10	\$31,701	27-2000
Supervisors, Building And Grounds Cleaning And Maintenance Workers	-10	\$37,114	37-1000
Supervisors, Food Preparation And Serving Workers	-10	\$31,056	35-1000
Communications Equipment Operators	-10	\$24,584	43-2000
Physical Scientists	-10	\$65,866	19-2000
Social Scientists And Related Occupations	-10	\$57,058	19-3000
Other Transportation Workers	-10	\$23,592	53-6000
Transportation, Tourism, And Lodging Attendants	-10	NA	39-6000
Extraction Workers	-10	\$32,078	47-5000
All Other Health Practitioners And Technical Workers	-10	\$45,921	29-9000
Librarians, Curators, And Archivists	-10	\$38,376	25-4000
Supervisors, Construction And Extraction Workers	-10	\$57,372	47-1000
Life Scientists	-10	\$64,227	19-1000
Personal Appearance Workers	-10	\$19,322	39-5000
All Other Occupations	-20		
Total	-6150		

Appendix D-1 – Knowledge, Skills, and Abilities of Occupational Losses

The following table outlines the most important knowledge areas, skills, and abilities associated with the occupations most likely to be affected by a slowdown in the automotive industry. The six occupational groups are those in which the largest numbers of affected workers are likely to be concentrated.

Production Workers & Equipment Operators		Transportation Equip. Operators & Material Handlers	
Operation and Control	<i>Skill</i>	Static Strength	<i>Ability</i>
Production and Processing	<i>Knowledge area</i>	Manual Dexterity	<i>Ability</i>
Product Inspection	<i>Skill</i>	Extent Flexibility	<i>Ability</i>
Operation Monitoring	<i>Skill</i>	Multilimb Coordination	<i>Ability</i>
Mechanical	<i>Knowledge area</i>	Operation and Control	<i>Skill</i>
Equipment Selection	<i>Skill</i>	Trunk Strength	<i>Ability</i>
Information Ordering	<i>Ability</i>	Information Ordering	<i>Ability</i>
Problem Sensitivity	<i>Ability</i>	Production and Processing	<i>Knowledge area</i>
Control Precision	<i>Ability</i>	Control Precision	<i>Ability</i>
Written Comprehension	<i>Ability</i>	Near Vision	<i>Ability</i>
Manual Dexterity	<i>Ability</i>	Equipment Selection	<i>Skill</i>
Skilled Craft Workers		Mechanics, Repairers, & Maintenance Workers	
Mechanical	<i>Knowledge area</i>	Mechanical	<i>Knowledge area</i>
Product Inspection	<i>Skill</i>	Repairing	<i>Skill</i>
Control Precision	<i>Ability</i>	Equipment Maintenance	<i>Skill</i>
Visualization	<i>Ability</i>	Information Ordering	<i>Ability</i>
Manual Dexterity	<i>Ability</i>	Manual Dexterity	<i>Ability</i>
Near Vision	<i>Ability</i>	Installation	<i>Skill</i>
Operation and Control	<i>Skill</i>	Visualization	<i>Ability</i>
Information Ordering	<i>Ability</i>	Troubleshooting	<i>Skill</i>
Equipment Selection	<i>Skill</i>	Control Precision	<i>Ability</i>
Arm-Hand Steadiness	<i>Ability</i>	Problem Sensitivity	<i>Ability</i>
Testing	<i>Skill</i>		
Clerical Workers		Management Occupations	
Clerical	<i>Knowledge area</i>	Administration and Management	<i>Knowledge area</i>
Written Comprehension	<i>Ability</i>	Oral Expression	<i>Ability</i>
Oral Expression	<i>Ability</i>	Oral Comprehension	<i>Ability</i>
Near Vision	<i>Ability</i>	Written Comprehension	<i>Ability</i>
Reading Comprehension	<i>Skill</i>	Coordination	<i>Skill</i>
Writing	<i>Skill</i>	Written Expression	<i>Ability</i>
Oral Comprehension	<i>Ability</i>	Speaking	<i>Skill</i>
Mathematics	<i>Skill</i>	Judgment and Decision Making	<i>Skill</i>
Number Facility	<i>Ability</i>	Speech Clarity	<i>Ability</i>
Written Expression	<i>Ability</i>	Problem Identification	<i>Skill</i>
Active Listening	<i>Skill</i>	Deductive Reasoning	<i>Ability</i>
Information Organization	<i>Skill</i>	Management of Personnel Resources	<i>Skill</i>
Information Ordering	<i>Ability</i>	Implementation Planning	<i>Skill</i>

Appendix D-2 – Detailed Work Activities of Occupational Losses

The following table outlines the most important work activities actually performed by workers in the occupations most likely to be affected by a slowdown in the automotive industry. The six occupational groups are those in which the largest numbers of affected workers are likely to be concentrated. In each of the six groups, a minimum of 46 percent and a maximum of 85 percent of the workers customarily perform each of the listed activities.

Production Workers and Equipment Operators
Examine products or work to verify conformance to specifications Adjust production equipment/machinery setup Understand technical operating, service or repair manuals Monitor production machinery/equipment operation to detect problems Read blueprints Read work order, instructions, formulas, or processing charts Read technical drawings Use hand or power tools Set up production equipment or machinery Load or unload material or work piece into machinery
Skilled Craft Workers
Use hand or power tools Fabricate, assemble, or disassemble manufactured products by hand Read technical drawings Move or fit heavy objects Understand technical operating, service or repair manuals Read blueprints Adjust production equipment/machinery setup Examine products or work to verify conformance to specifications Weld together metal parts, components, or structures Use arc welding equipment
Clerical Workers
Maintain records, reports, or files Use computers to enter, access or retrieve data Fill out business or government forms Maintain inventory of office forms Use oral or written communication techniques Take messages Operate business machines Manage inventories or supplies Compile data for financial reports Use word processing or desktop publishing software

Transportation Equipment Operators and Material Handlers

Load, unload, or stack containers, materials, or products
Move or fit heavy objects
Perform safety inspections in manufacturing or industrial setting
Operate packaging or banding machine or equipment
Maintain production or work records
Measure, weigh, or count products or materials
Use two-way radio or mobile phone
Package goods for shipment or storage
Signal directions or warnings to coworkers
Clean rooms or work areas

Mechanics, Repairers, and Maintenance Workers

Use hand or power tools
Move or fit heavy objects
Requisition stock, materials, supplies or equipment
Apply cleaning solvents
Read work order, instructions, formulas, or processing charts
Understand service or repair manuals
Understand technical operating, service or repair manuals
Inspect machinery or equipment to determine adjustments or repairs needed
Fabricate, assemble, or disassemble manufactured products by hand
Perform safety inspections in industrial, manufacturing or repair setting

Management Occupations

Assign work to staff or employees
Conduct or attend staff meetings
Direct and coordinate activities of workers or staff
Oversee execution of organizational or program policies
Develop budgets
Use negotiation techniques
Analyze operational or management reports or records
Develop policies, procedures, methods, or standards
Communicate technical information
Hire, discharge, transfer, or promote workers

Appendix E – Industry NAICS Code List

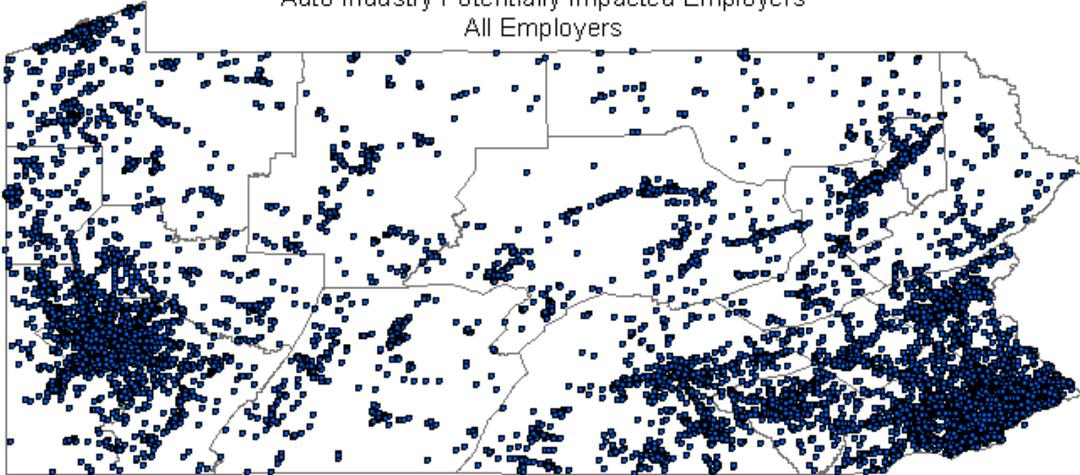
Lists the NAICS codes for each identified industry.

PA Industry	NAICS Code(s)
Motor Vehicle Parts Manufacturing	3363
Wholesale Trade	42
Elementary And Secondary Schools	6111
Hospitals	622
Truck Transportation	484
Machine Shops	33271
Motor Vehicle Body Manufacturing	336211
Hotels And Motels, Including Casino Hotels	72111 72112
Iron And Steel Mills	331111
Ferrous Metal Foundries	33151
Plastics Plumbing Fixtures And All Other Plastics	326191 326199
Glass And Glass Products, Except Glass Containers	327211 327212 327215
Offices Of Physicians, Dentists, And Other Health	6211 6212 6213
Turned Product And Screw, Nut, And Bolt Manufacturing	33272
Totalizing Fluid Meters And Counting Devices	334514
Services To Buildings And Dwellings	5617
Other Amusement, Gambling, And Recreation Industries	7131 7132 71391 71392 71393 71399
Automotive Repair And Maintenance, Except Car Wash	81111 81112 811191 811198
Colleges, Universities, And Junior Colleges	6112 6113
Aluminum Foundries	331521 331524
Food Services And Drinking Places	722
Special Tool, Die, Jig, And Fixture Manufacturing	333514
Spring And Wire Product Manufacturing	3326
Newspaper Publishers	51111
Plate Work Manufacturing	332313
Nonstore Retailers	454
Transit And Ground Passenger Transportation	485
All Other Forging And Stamping	332115 332116 332117
Insurance Agencies, Brokerages, And Related	5242
Audio And Video Equipment Manufacturing	3343
Couriers And Messengers	492
All Other Electronic Component Manufacturing	334412 334414 334415 334416 334417 334418 334419
Employment Services	5613
Management Of Companies And Enterprises	55
Sheet Metal Work Manufacturing	332322
Food And Beverage Stores	445
Miscellaneous Store Retailers	453
Iron And Steel Forging	332111
Postal Service	491110
Other Ambulatory Health Care Services	6214 6215 6219
Pharmaceutical And Medicine Manufacturing	32541
Commercial Printing	323111 323112 323113 323114 323115 323119
Metal Valve Manufacturing	33291
Metal Coating And Nonprecious Engraving	332812
Paint And Coating Manufacturing	32551
Business Support Services	5614
Hardware Manufacturing	3325

PA Industry	NAICS Code(s)		
Coal Mining	2121		
Foam Product Manufacturing	32614	32615	
Automobile And Light Truck Manufacturing	33611		
Industrial Gas Manufacturing	32512		
Securities, Commodity Contracts, Investments	523		
Other Rubber Product Manufacturing	32629		
Industrial Mold Manufacturing	333511		
Nursing And Residential Care Facilities	623		
Wiring Device Manufacturing	33593		
Ac, Refrigeration, And Forced Air Heating	333415		
Cut And Sew Apparel Manufacturing	3152		
Plastics Material And Resin Manufacturing	325211		
Management Consulting Services	54161		
Clothing And Clothing Accessories Stores	448		
Bread And Bakery Product, Except Frozen, Manufacturing	311811	311812	
Electric Lamp Bulb And Part Manufacturing	33511		
Electroplating, Anodizing, And Coloring Metal	332813		
Greenhouse And Nursery Production	1114		
Accounting And Bookkeeping Services	5412		
Paperboard Container Manufacturing	32221		
Social Assistance, Except Child Day Care Services	6241	6242	6243
Periodical Publishers	51112		
Cutting Tool And Machine Tool Accessory Manufacturing	333515		
Air Transportation	481		
Computer Systems Design Services	541512		
Plastics Packaging Materials, Film And Sheet	32611		
Building Material And Garden Supply Stores	444		
Nonwoven Fabric Mills	31323		
Waste Management And Remediation Services	562		
Leather And Hide Tanning And Finishing	3161		
Adhesive Manufacturing	32552		
Veterinary Services	54194		
Semiconductors And Related Device Manufacturing	334413		
Miscellaneous Fabricated Metal Product Manufacturing	332999		
Copper Rolling, Drawing, And Extruding	331421		
Confectionery Manufacturing From Purchased Chocolate	31133		
Architectural And Engineering Services	5413		
Other Snack Food Manufacturing	311919		
Child Day Care Services	6244		
Health And Personal Care Stores	446		
All Other Petroleum And Coal Products Manufacturing	324199		
Commercial Machinery Repair And Maintenance	8113		
Porcelain Electrical Supply Manufacturing	327113		
Other Miscellaneous Textile Product Mills	314991	314999	
Ferroalloy And Related Product Manufacturing	331112		
Speed Changers And Mechanical Power Transmission E	333612	333613	
Relay And Industrial Control Manufacturing	335314		
Scenic And Sightseeing Transportation And Support	487	488	
Gasoline Stations	447		
Motorcycle, Bicycle, And Parts Manufacturing	336991		
Monetary Authorities And Depository Credit Intermediates	521	5221	

Appendix F – Industry Maps – Maps for other impacted industries are available.

Pennsylvania
Auto Industry Potentially Impacted Employers
All Employers



Pennsylvania
Auto Industry Potentially Impacted Employers
Manufacturing Employers



Pennsylvania
Auto Industry Potentially Impacted Employers
NAICS 3363: Motor Vehicle Parts Manufacturing Employers

This data was removed to protect confidentiality

Pennsylvania
Auto Industry Potentially Impacted Employers
Powdered Metal Employers

This data was removed to protect confidentiality

Source: Quarterly Census of Employment and Wages

Center for Workforce Information & Analysis
November 15, 2006

The Industries included in this map are:

- 331491 Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
- 332117 Powder Metallurgy Part Manufacturing
- 332812 Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
- 332813 Electroplating, Plating, Polishing, Anodizing, and Coloring
- 332999* All Other Miscellaneous Fabricated Metal Product Manufacturing
- 333511 Industrial Mold Manufacturing
- 333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
- 333515 Cutting Tool and Machine Tool Accessory Manufacturing

*Currently there are no employers within this industry.