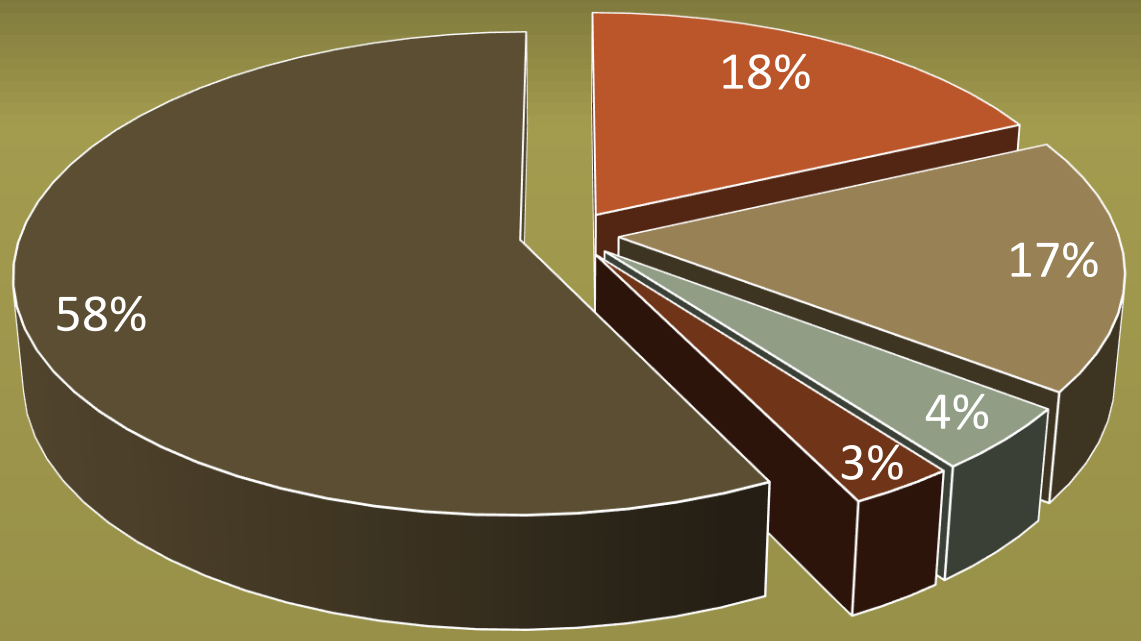
Accelerate Alabama Chemical

Alabama Department of Labor

Labor Market Information Division

Alabama Chemical Employment by Industry Sectors



- Basic Chemical Manufacturing
- Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing
- Paint, Coating, and Adhesive Manufacturing
- Other Chemical Product and Preparation Manufacturing
- Plastics Product Manufacturing

Source: Quarterly Census of Employment and Wages, 2013 Annual Average

Alabama Chemical Industry Overview

Sector	# of Companies	# Employed
Basic Chemical Manufacturing	67	3,069
Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	28	2,880
Painting, Coating, and Adhesive Manufacturing	26	737
Other Chemical Product and Preparation Manufacturing	25	498
Plastics Product Manufacturing	170	9,673

Source: Quarterly Census of Employment and Wages, 2013 Annual Average

Basic Chemical Manufacturing

3251 Basic Chemical Manufacturing
This industry group comprises establishments primarily engaged in manufacturing chemicals using basic processes, such as thermal cracking and distillation. Chemicals manufactured in this industry group are usually separate chemical elements or separate chemically-defined compounds.

67 companies; 3,069 employed;
18% of Chemical Industry Employment

# of Employees	% of Companies
1-49	87%
50-99	4%
100-249	3%
250+	6%

Source: Quarterly Census of Employment and Wages, 2013 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 22% Chemical Equipment Operators and Tenders
- 12% Chemical Plant and System Operators
- 5% Industrial Engineers
- 4% First-Line Supervisors of Production and Operating Workers
- 4% Maintenance and Repair Workers, General

Source: 2014 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.

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Labor Market Information
James Henry, Division Director

Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing

32521 Resin and Synthetic Rubber Manufacturing This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing synthetic resins, plastics materials, and non-vulcanizable elastomers and mixing and blending resins on a custom basis; (2) manufacturing non-customized synthetic resins; and (3) manufacturing synthetic rubber. **32522 Artificial and Synthetic Fibers and Filaments Manufacturing** This industry comprises establishments primarily engaged in (1) manufacturing cellulosic (e.g., rayon, acetate) and non-cellulosic (e.g., nylon, polyolefin, polyester) fibers and filaments in the form of monofilament, filament yarn, staple, or tow or (2) manufacturing and texturing cellulosic and non-cellulosic fibers and filaments.

28 companies; 2,880 employed;
17% of Chemical Industry Employment

# of Employees	% of Companies
1-49	50%
50-99	18%
100-249	18%
250+	14%

Source: Quarterly Census of Employment and Wages, 2013 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 14% Chemical Equipment Operators and Tenders
- 9% Chemical Plant and System Operators
- 6% Industrial Machinery Mechanics
- 6% First-Line Supervisors of Production and Operating Workers
- 5% Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders

Source: 2014 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.

Painting, Coating, and Adhesive Manufacturing

3255: 32551 Paint and Coating Manufacturing This industry comprises establishments primarily engaged in (1) mixing pigments, solvents, and binders into paints and other coatings, such as stains, varnishes, lacquers, enamels, shellacs, and water repellant coatings for concrete and masonry, and/or (2) manufacturing allied paint products, such as putties, paint and varnish removers, paint brush cleaners, and frit. **32552 Adhesive Manufacturing** This industry comprises establishments primarily engaged in manufacturing adhesives, glues, and caulking compounds.

26 companies; 737 employed;
4% of Chemical Industry Employment

# of Employees	% of Companies
1-49	85%
50-99	8%
100-249	8%
250+	0%

Source: Quarterly Census of Employment and Wages, 2013 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 28% Mixing and Blending Machine Setters, Operators, and Tenders
- 10% Packaging and Filling Machine Operators and Tenders
- 10% First-Line Supervisors of Production and Operating Workers
- 6% Chemical Technicians
- 4% Industrial Engineering Technicians

Source: 2014 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.

Other Chemical Product and Preparation Manufacturing

3259 Other Chemical Product and Preparation Manufacturing
This industry group comprises establishments primarily engaged in manufacturing chemical products (except basic chemicals; resins, synthetic rubber, cellulosic and non-cellulosic fibers and filaments; pesticides, fertilizers, and other agricultural chemicals; pharmaceuticals and medicines; paints, coatings, and adhesives; soaps and cleaning compounds; and toilet preparations).

25 companies; 498 employed;
3% of Chemical Industry Employment

# of Employees	% of Companies
1-49	88%
50-99	13%
100-249	0%
250+	0%

Source: Quarterly Census of Employment and Wages, 2013 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 21% Mixing and Blending Machine Setters, Operators, and Tenders
- 14% Chemical Equipment Operators and Tenders
- 10% Heavy and Tractor-Trailer Truck Drivers
- 7% First-Line Supervisors of Production and Operating Workers
- 6% Laborers and Freight, Stock, and Material Movers, Hand

Source: 2014 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.

Plastics Product Manufacturing

3261 Plastics Product Manufacturing
This industry group comprises establishments primarily engaged in processing new or spent (i.e., recycled) plastics resins into intermediate or final products, using such processes as compression molding; extrusion molding; injection molding; blow molding; and casting. Within most of these industries, the production process is such that a wide variety of products can be made.

170 companies; 9,673 employed;
58% of Chemical Industry Employment

# of Employees	% of Companies
1-49	70%
50-99	10%
100-249	17%
250+	4%

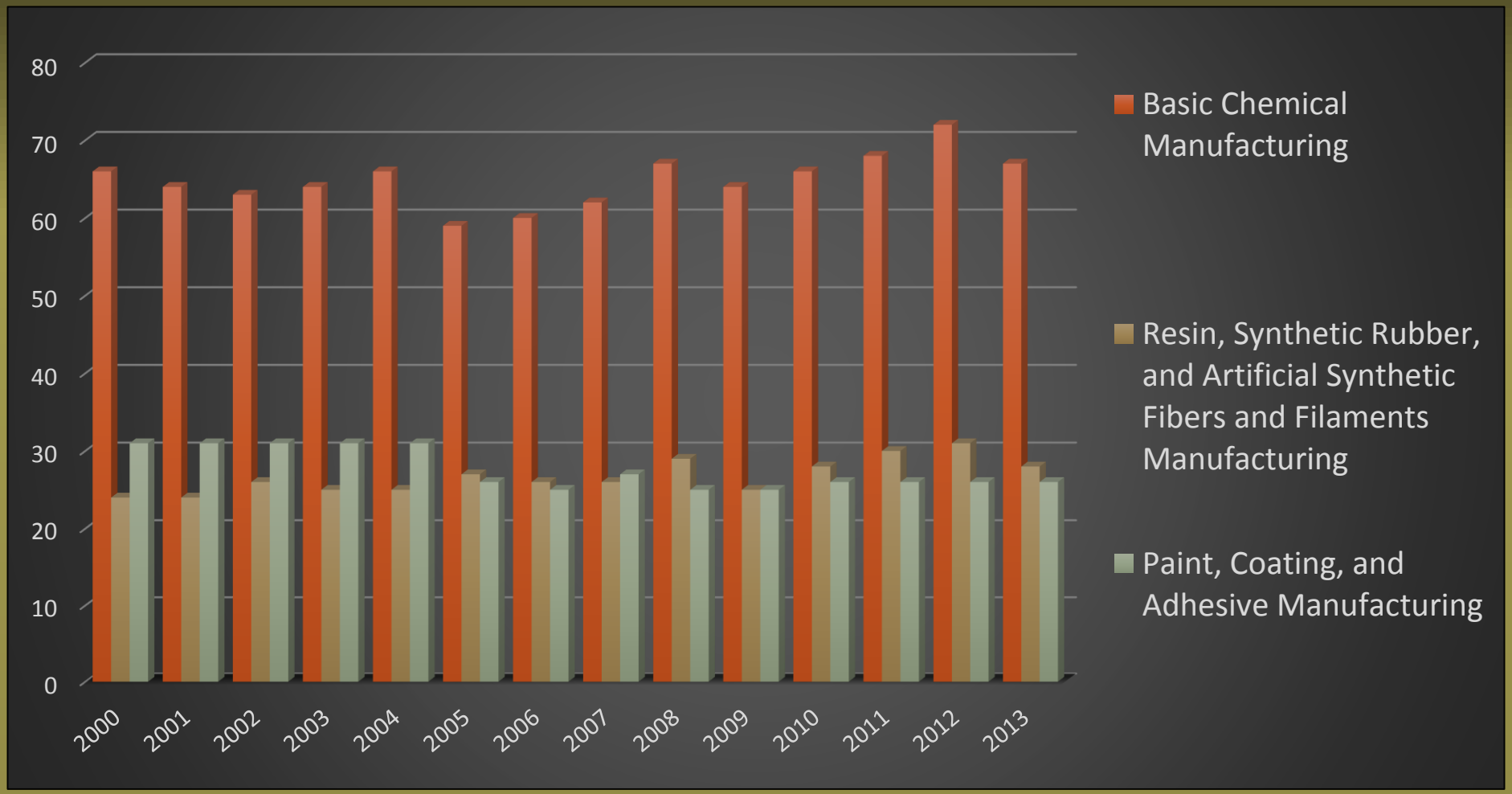
Source: Quarterly Census of Employment and Wages, 2013 annual average. *Note: Numbers may not equal 100% due to rounding.*

Top 5 Job Categories:

- 10% Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 7% Inspectors, Testers, Sorters, Samplers, and Weighers
- 6% Packers and Packagers, Hand
- 5% Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
- 5% Team Assemblers

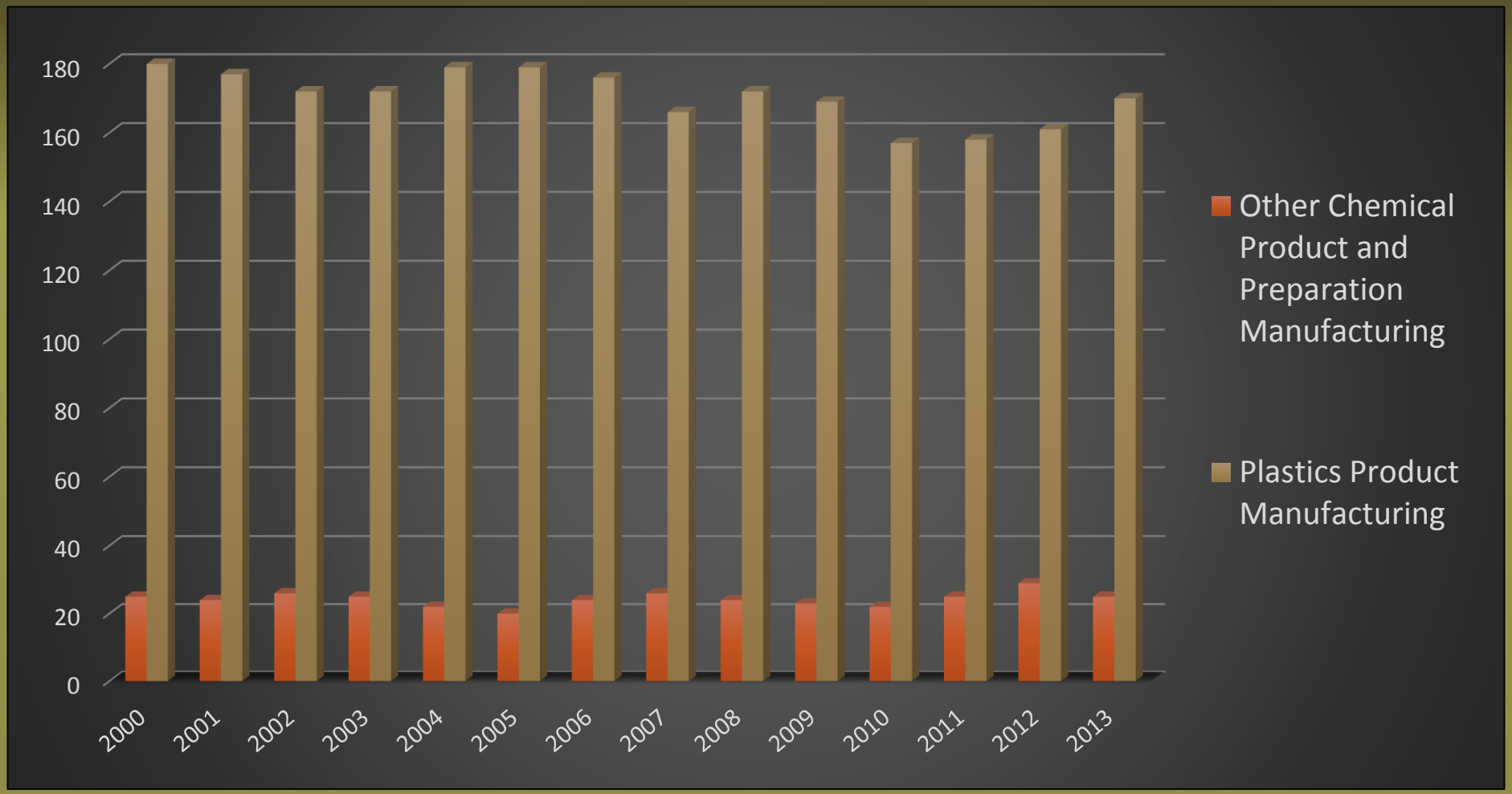
Source: 2014 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.

Development of Alabama's Chemical Industry by Company



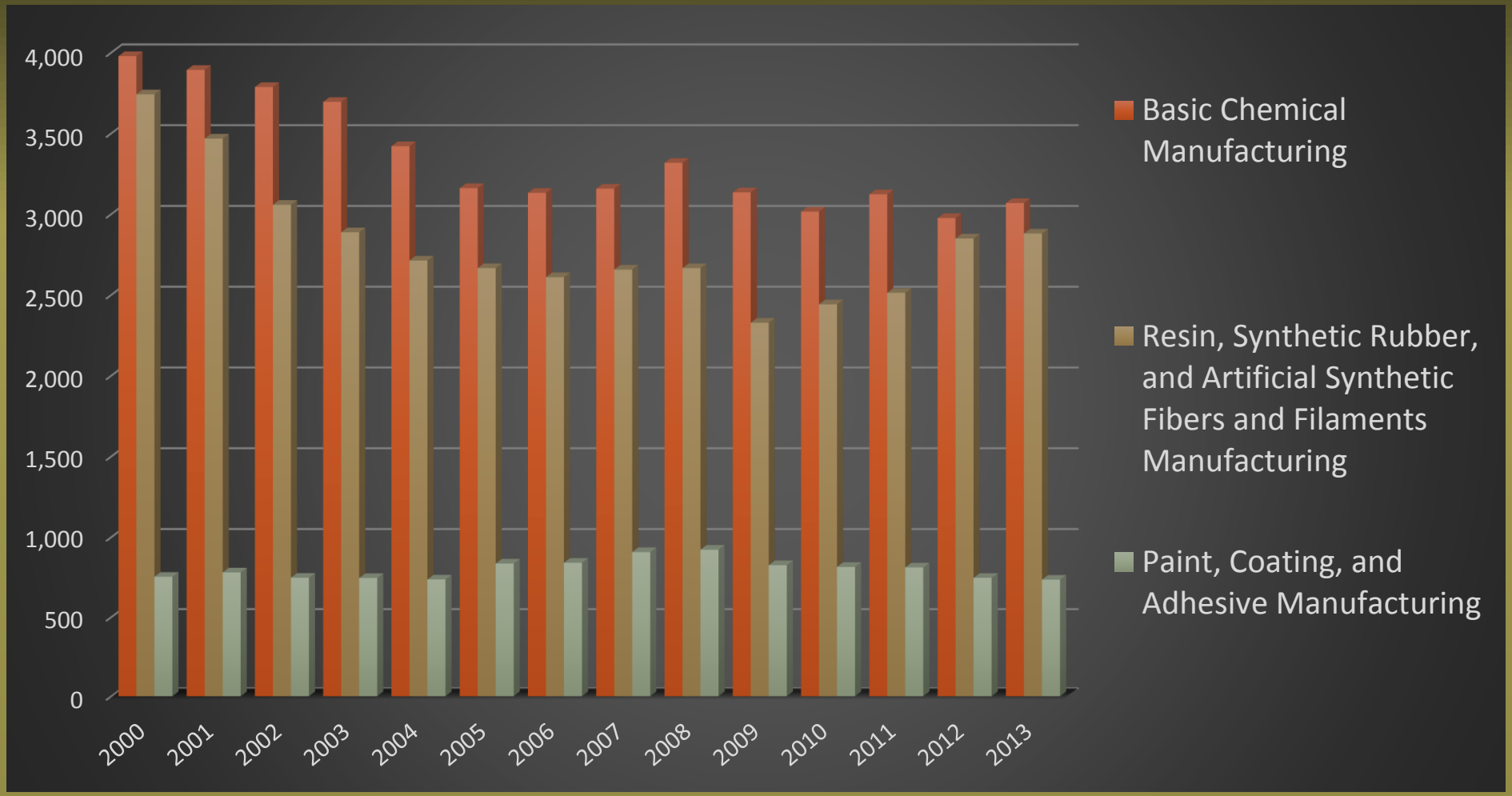
Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Development of Alabama's Chemical Industry by Company



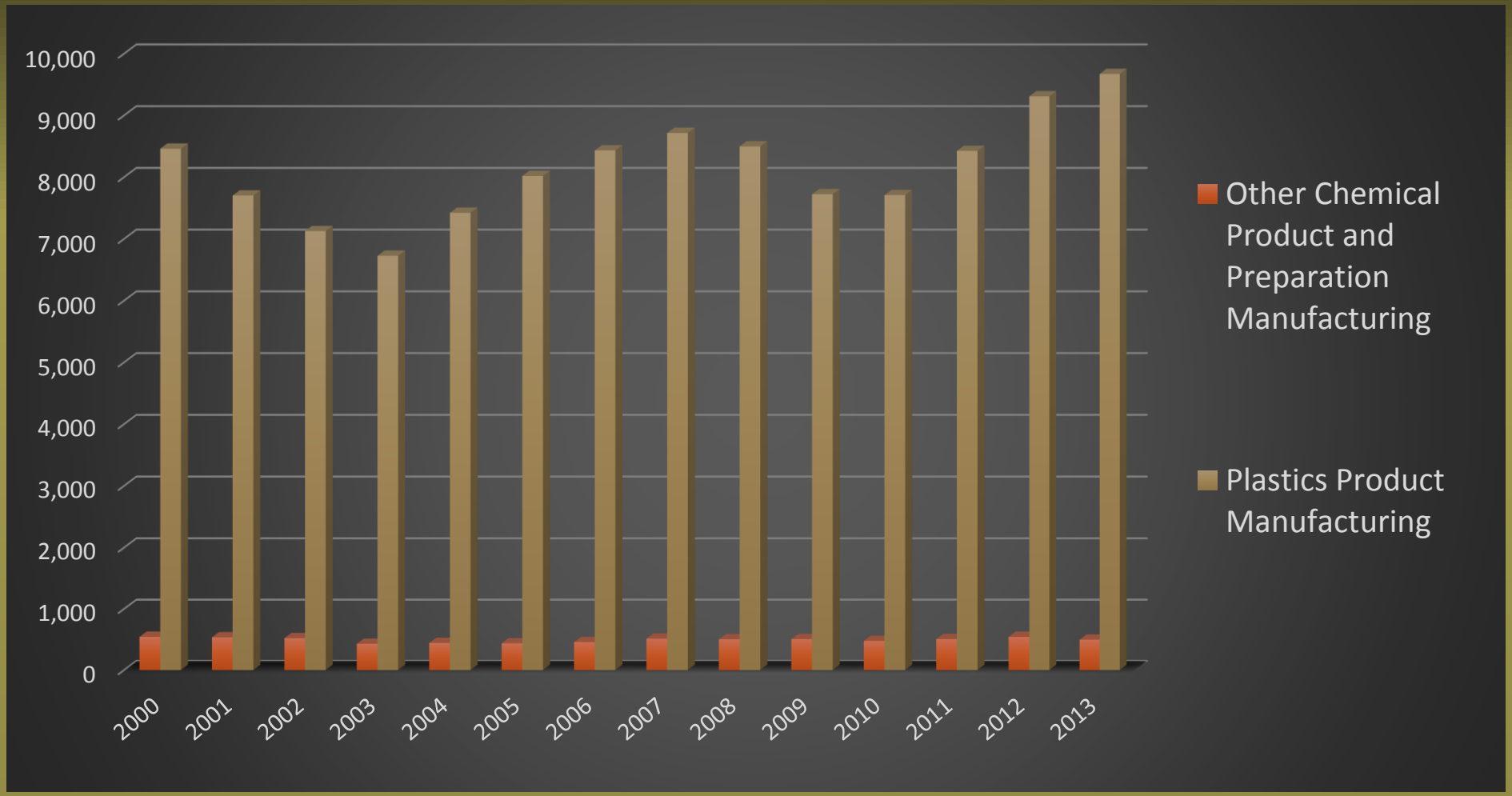
Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Development of Alabama's Chemical Industry by Employment



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Development of Alabama's Chemical Industry by Employment



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

Top Occupations for Chemical by Rounded Employment

Occupations	# of Jobs	% of Total
Chemical Equipment Operators and Tenders	1,140	7%
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	950	6%
First-Line Supervisors of Production and Operating Workers	820	5%
Inspectors, Testers, Sorters, Samplers, and Weighers	780	5%
Packers and Packagers, Hand	700	4%
Industrial Machinery Mechanics	690	4%
Mixing and Blending Machine Setters, Operators, and Tenders	680	4%
Chemical Plant and System Operators	620	4%
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	510	3%
Remaining Occupations	9,900	59%

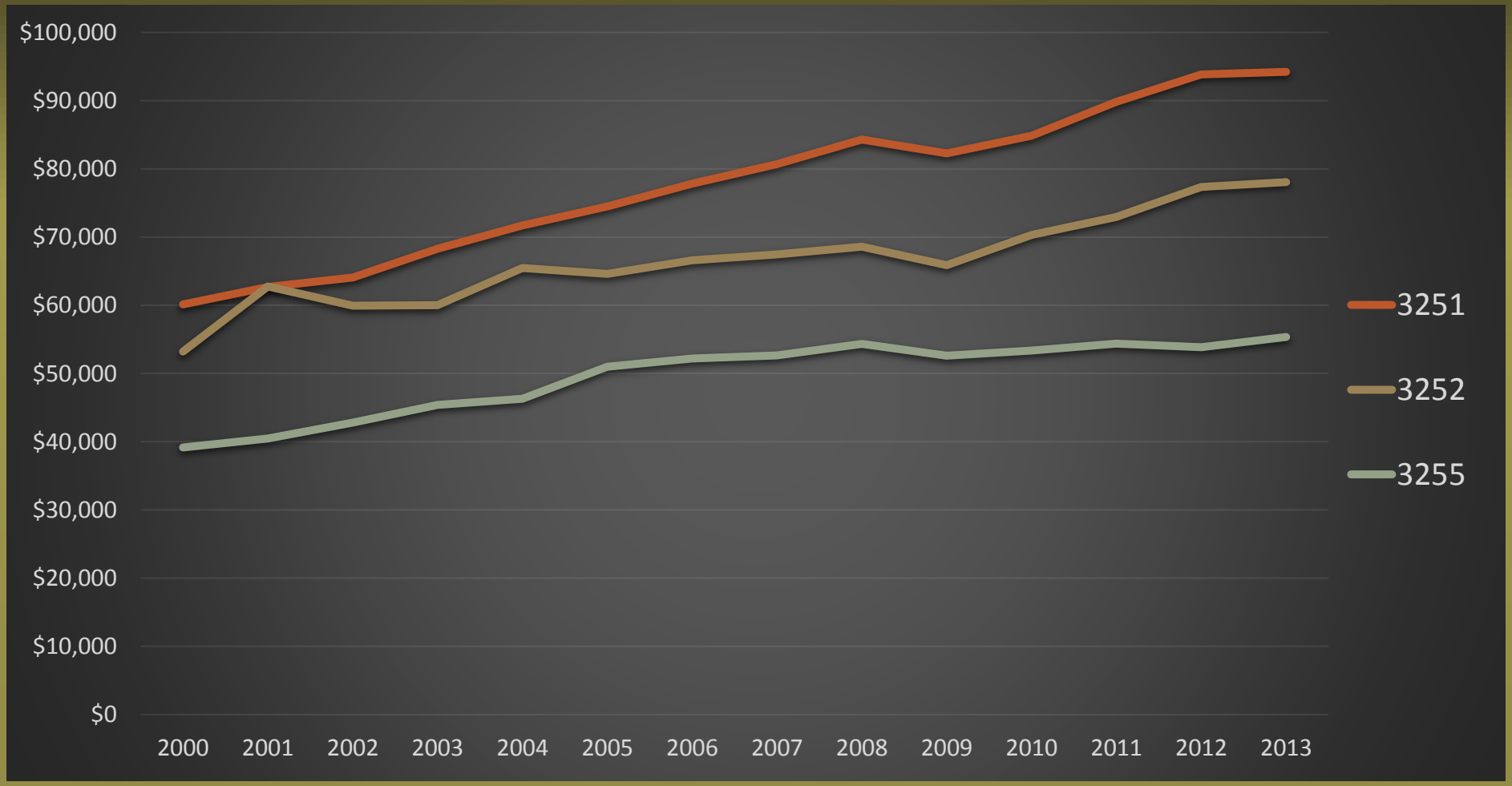
Source: 2014 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*

Wage Information
Top 10 by Rounded Occupational Employment

Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Chemical Equipment Operators and Tenders	1,140	$26.44	$54,990	$18.19	$37,823	$30.56	$63,574
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	950	$16.13	$33,546	$11.33	$23,567	$18.53	$38,541
First-Line Supervisors of Production and Operating Workers	820	$27.07	$56,294	$16.86	$35,083	$32.17	$66,910
Inspectors, Testers, Sorters, Samplers, and Weighers	780	$15.42	$32,060	$9.35	$19,452	$18.45	$38,369
Packers and Packagers, Hand	700	$10.17	$21,165	$8.27	$17,202	$11.13	$23,141
Industrial Machinery Mechanics	690	$24.00	$49,911	$16.18	$33,644	$27.90	$58,035
Mixing and Blending Machine Setters, Operators, and Tenders	680	$18.81	$39,107	$11.80	$24,538	$22.30	$46,386
Chemical Plant and System Operators	620	$28.08	$58,397	$23.84	$49,591	$30.19	$62,806
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	510	$14.59	$30,341	$9.68	$20,120	$17.05	$35,447
Industrial Truck and Tractor Operators	440	$14.49	$30,139	$10.06	$20,943	$16.71	$34,747

Source: 2014 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.*

Wage Information
Total Wages by NAICS Code 2000-2013



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages

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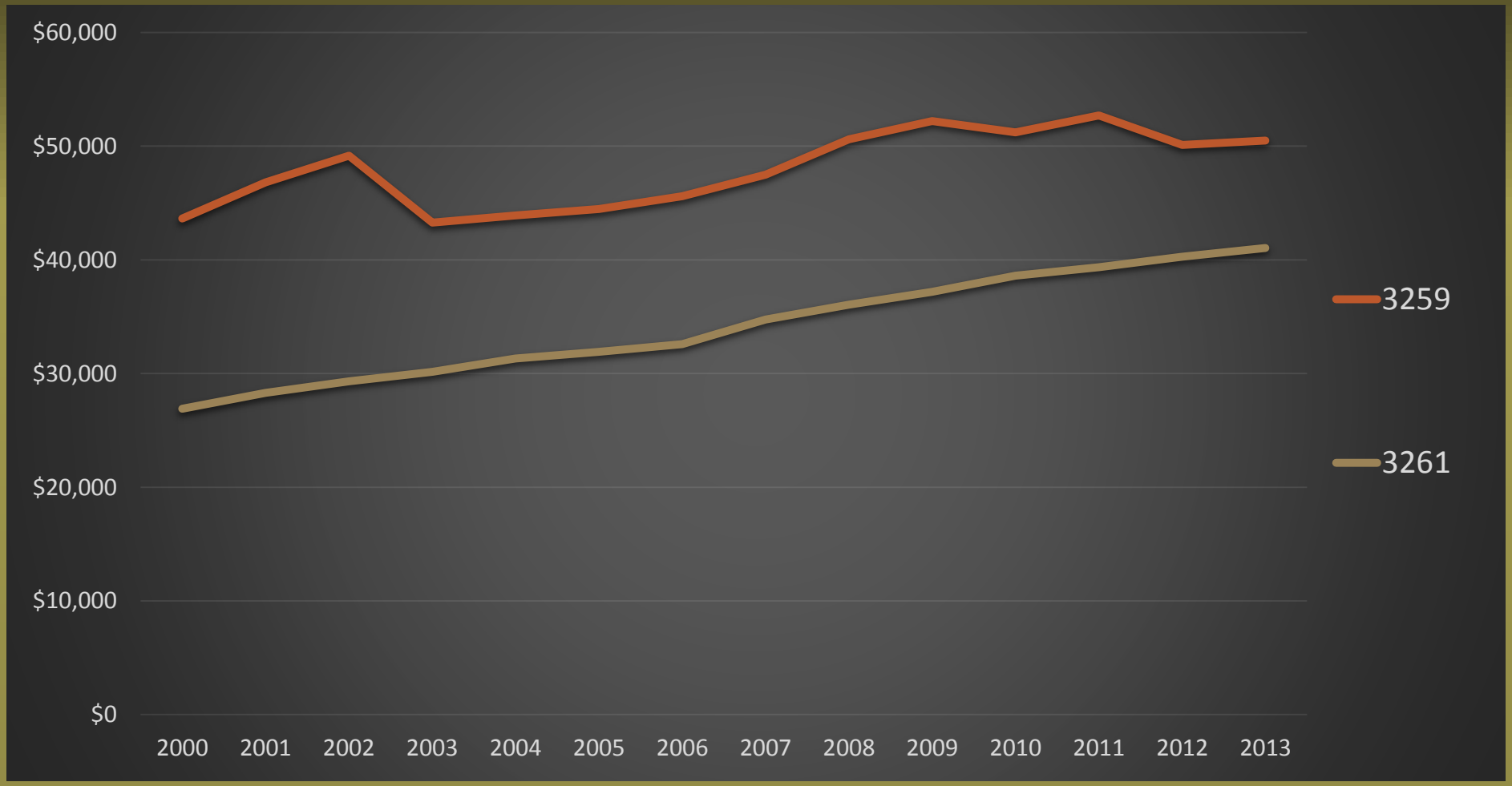
Labor Market Information
James Henry, Division Director

Wage Information
Total Wages by NAICS Code 2000-2013



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages

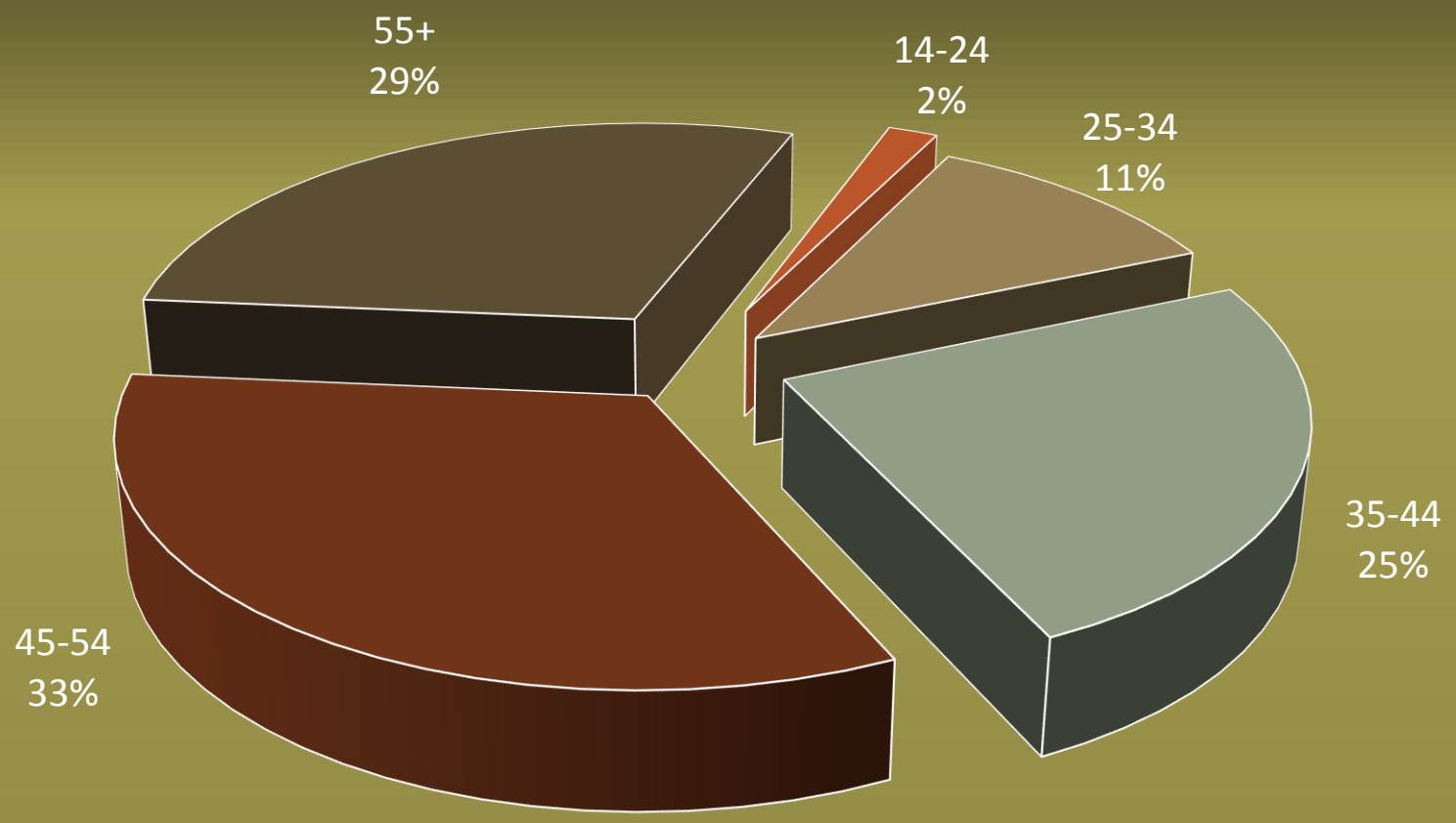
2013 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
3251	Basic Chemical Manufacturing	2.5%	41	19	$7,197	$5,444
3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	2.8%	33	12	$6,543	$4,564
3255	Painting, Coating, and Adhesive Manufacturing	4.3%	11	-8	$4,505	$3,033
3259	Other Chemical Product and Preparation Manufacturing	4.0%	5	-12	$4,567	$3,885
3261	Plastics Product Manufacturing	6.6%	324	147	$3,508	$2,772

Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

3251 Basic Chemical Manufacturing

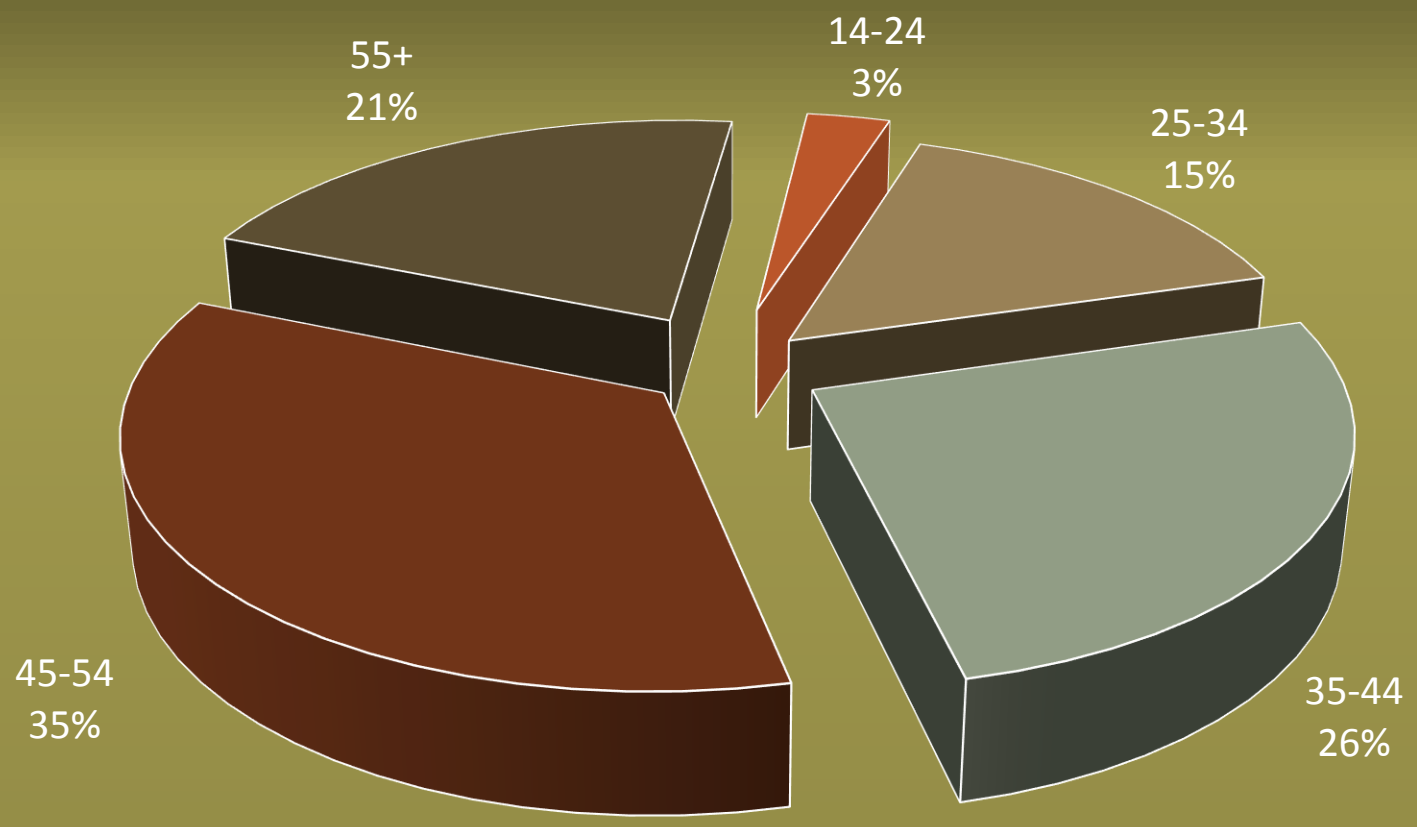
2013 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

3252 Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing

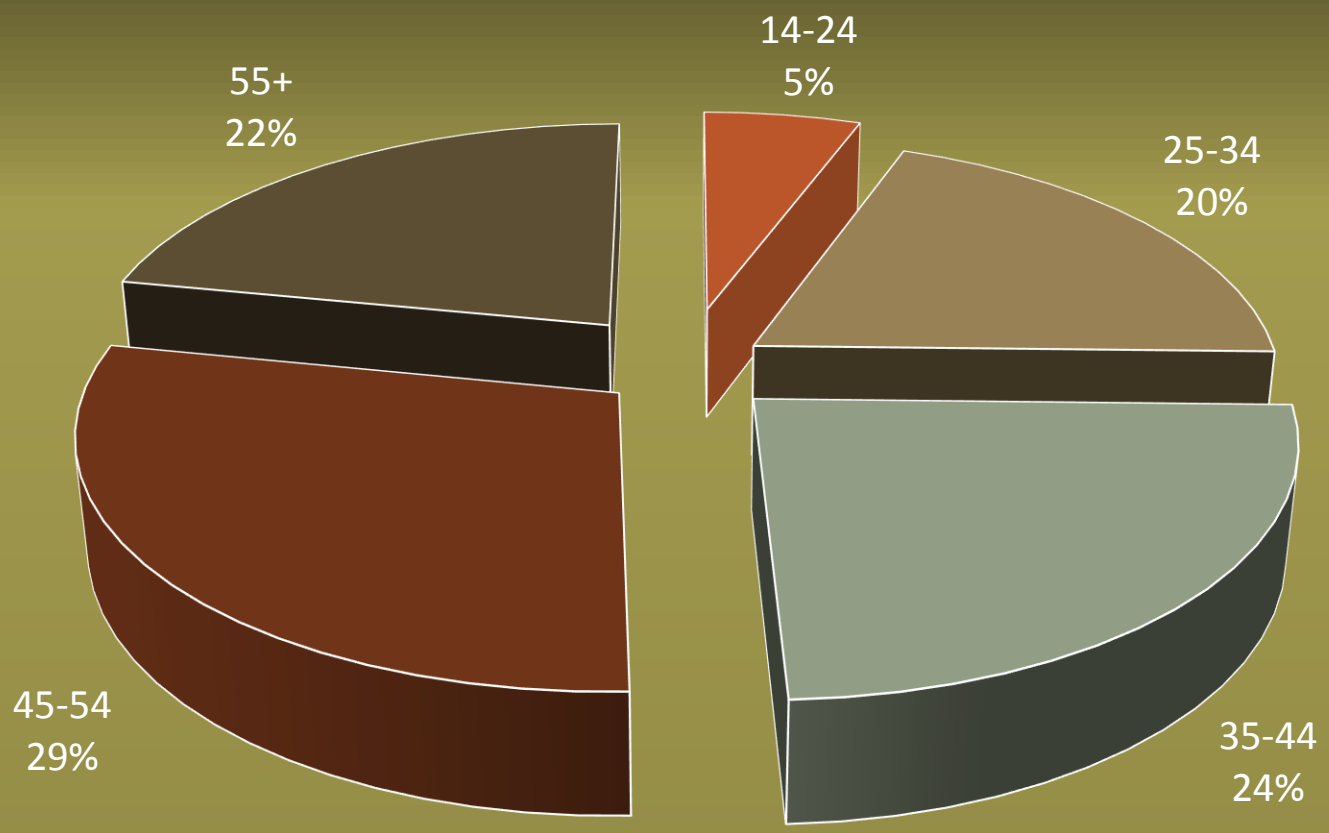
2013 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

3255 Painting, Coating, and Adhesive Manufacturing

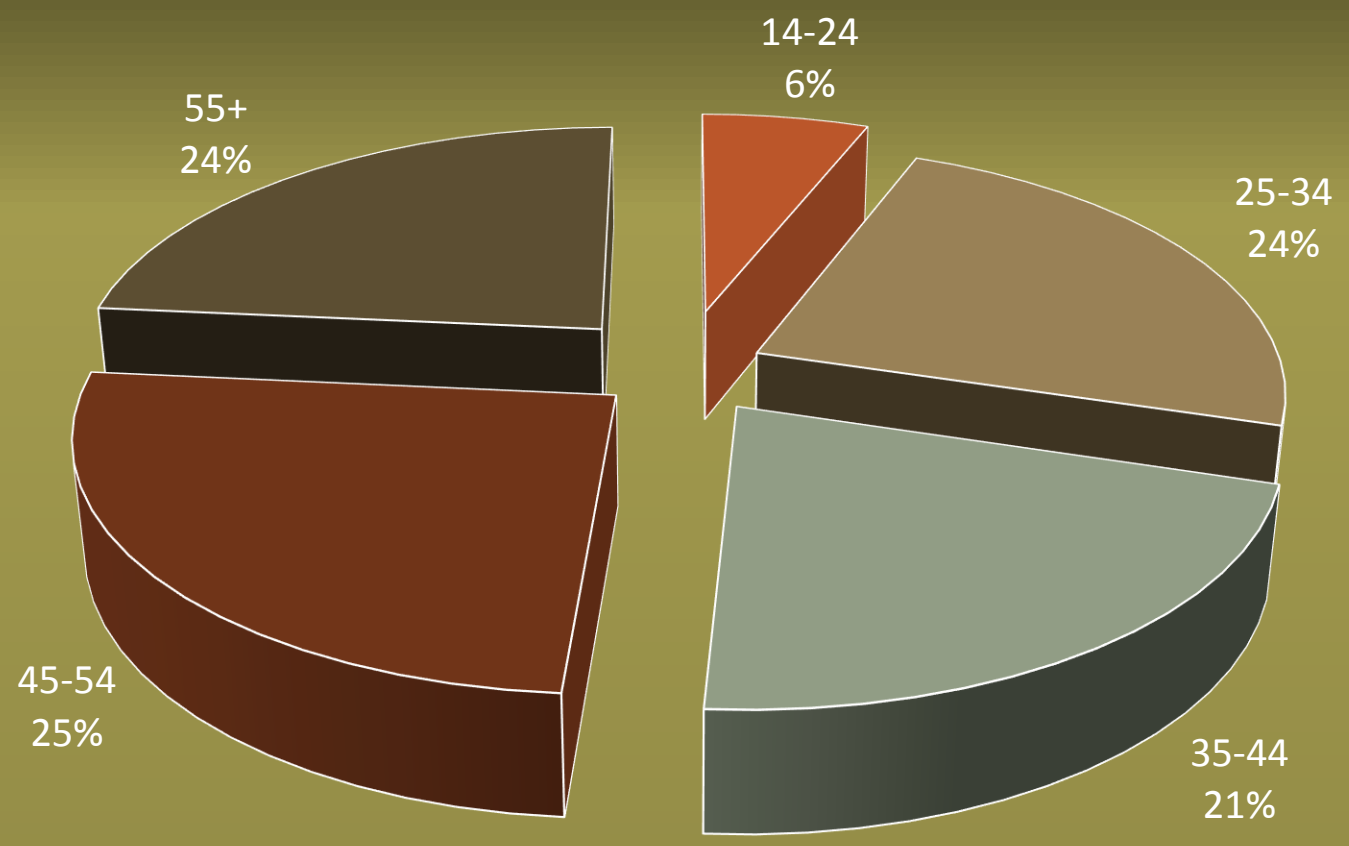
2013 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

3259 Other Chemical Product and Preparation Manufacturing

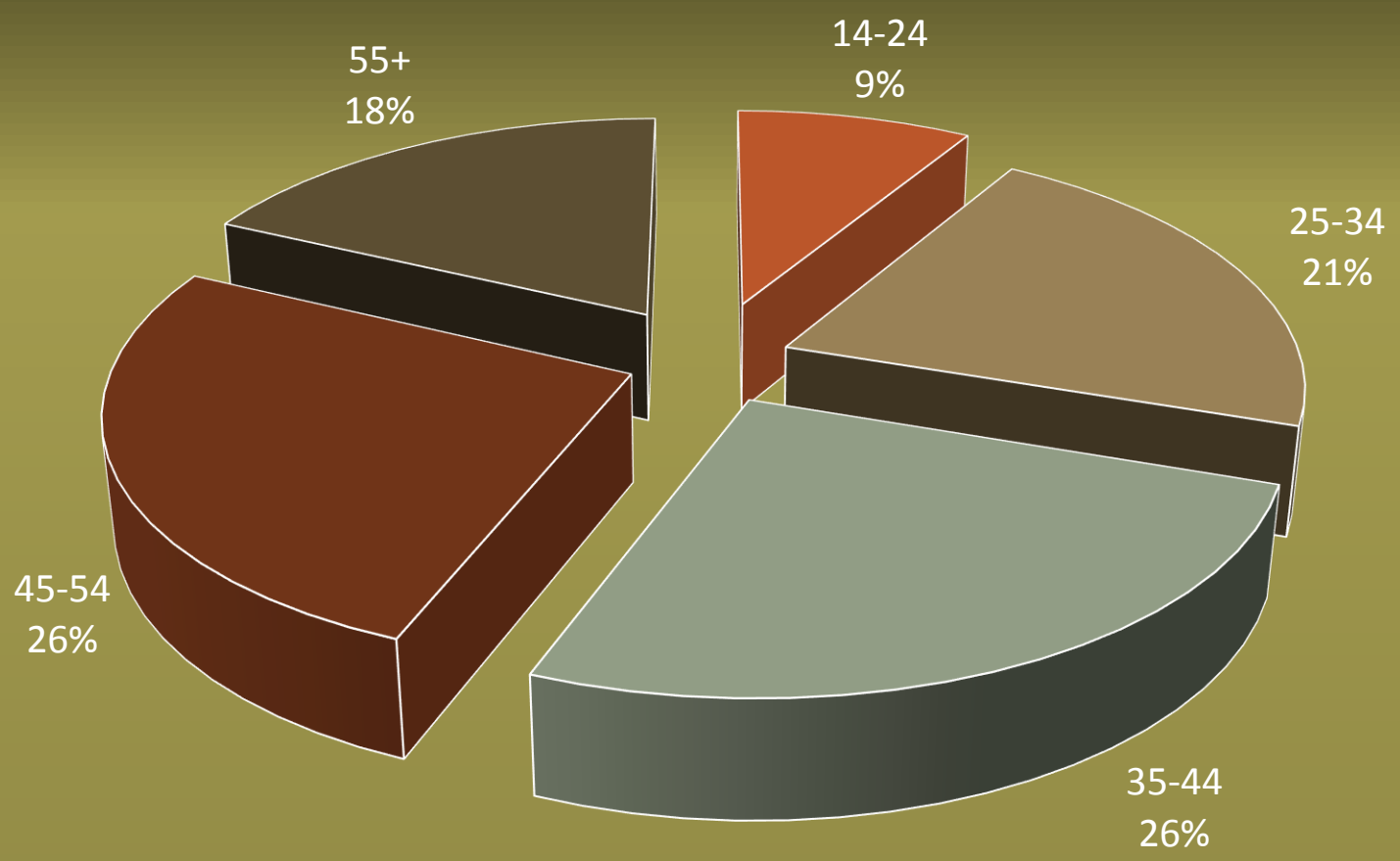
2013 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

3261 Plastics Product Manufacturing

2013 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

Projections Information
2012 – 2022 Industry Projections by NAICS Code

NAICS	Industry	2012	2022	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
3251	Basic Chemical Manufacturing	2,980	2,870	-110	-3.69	-0.38	-1.24	1.47
3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	2,850	2,830	-20	-0.70	-0.07	-1.02	2.18
3255	Painting, Coating, and Adhesive Manufacturing	750	720	-30	-4.00	-0.41	-0.83	0.93
3259	Other Chemical Product and Preparation Manufacturing	550	480	-70	-12.73	-1.35	-1.72	0.48
3261	Plastics Product Manufacturing	9,310	10,090	780	8.38	0.81	-0.79	1.27

Source: 2012-2022 Industry Projections, produced by the Labor Market Information Division in cooperation with the Projections Managing Partnership (PMP).