



Alabama
Department of Labor

Labor Market Information
James Henry, Division Director

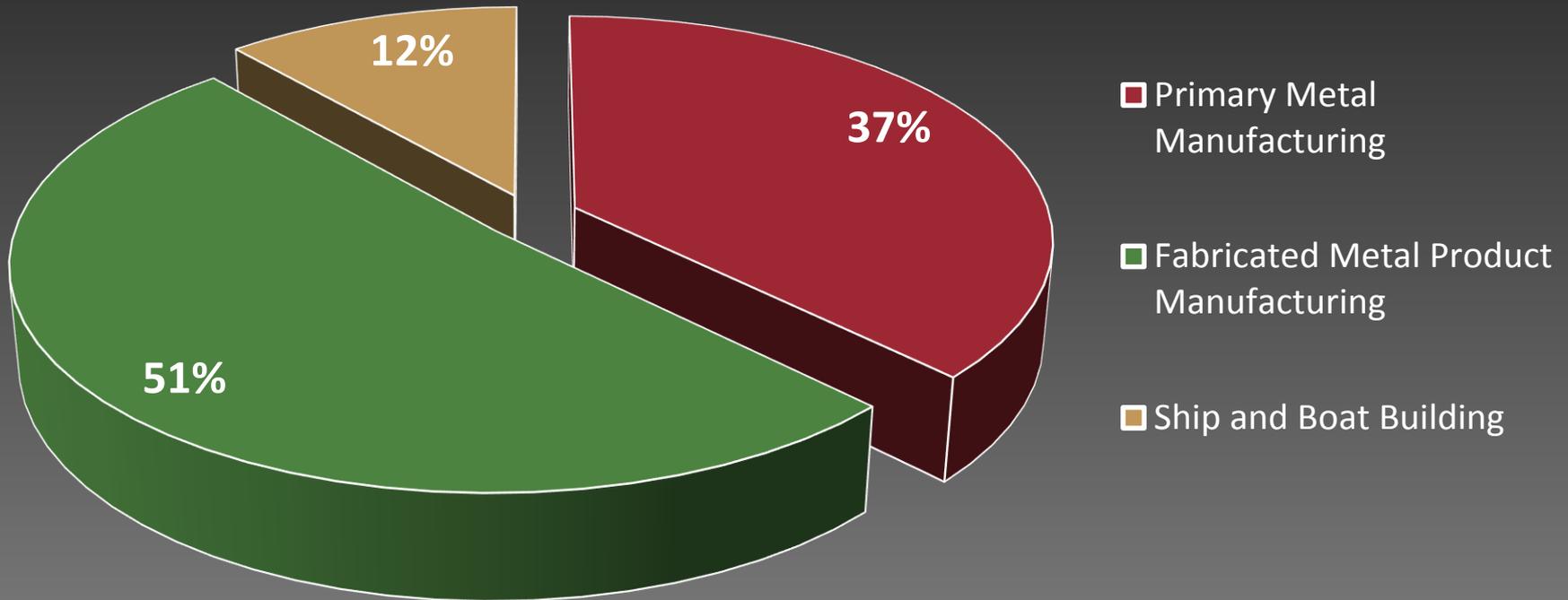


Accelerate Alabama Sheet Metal and Ship Manufacturing

Alabama Department of Labor
Labor Market Information Division



Alabama Sheet Metal and Ship Manufacturing Employment by Industry Sectors





Alabama Sheet Metal and Ship Manufacturing Industry Overview

Sector	# of Companies	# Employed
Primary Metal Manufacturing	118	18,140
Fabricated Metal Product Manufacturing	1,045	24,821
Ship and Boat Building	43	5,537



Primary Metal Manufacturing

331 Primary Metal Manufacturing

Industries in the Primary Metal Manufacturing subsector smelt and/or refine ferrous and nonferrous metals from ore, pig or scrap, using electrometallurgical and other process metallurgical techniques. Establishments in this subsector also manufacture metal alloys and super alloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing, and extruding operations to make sheet, strip, bar, rod, or wire, and in molten form to make castings and other basic metal products.

118 companies; 18,140 employed;
37% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	45%
50-99	20%
100-249	23%
250+	12%

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

Top 5 Job Categories:

- 7% Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- 6% Industrial Machinery Mechanics
- 5% Team Assemblers
- 4% Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 4% Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic

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.



Primary Metal Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	145	\$3,579	\$2,711	7.9%
2 – 3 Years	254	\$4,776	*	14.8%
4 – 5 Years	*	\$4,311	\$3,998	*
6 – 10 Years	1,022	\$5,022	\$4,498	5.4%
11+ Years	16,295	\$5,797	\$4,085	3.4%
All Firm Ages	17,808	\$5,709	\$4,137	3.8%



Fabricated Metal Product Manufacturing

332 Fabricated Metal Product Manufacturing

Industries in the Fabricated Metal Product Manufacturing subsector transform metal into intermediate or end products, other than machinery, computers and electronics, and metal furniture, or treat metals and metal formed products fabricated elsewhere. Important fabricated metal processes are forging, stamping, bending, forming, and machining, used to shape individual pieces of metal; and other processes, such as welding and assembling, used to join separate parts together. Establishments in this subsector may use one of these processes or a combination of these processes.

1,045 companies; 24,821 employed;
51% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	88%
50-99	7%
100-249	4%
250+	1%

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

Top 5 Job Categories:

- 9% Welders, Cutters, Solderers, and Brazers
- 9% Machinists
- 5% First-Line Supervisors of Production and Operating Workers
- 5% Structural Metal Fabricators and Fitters
- 4% Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic

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.



Fabricated Metal Product Manufacturing Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	372	\$3,046	\$2,844	13.4%
2 – 3 Years	629	\$3,183	\$2,398	11.1%
4 – 5 Years	600	\$3,572	\$2,657	9.6%
6 – 10 Years	1,780	\$3,512	\$2,652	8.4%
11+ Years	19,661	\$3,932	\$2,660	5.3%
All Firm Ages	23,041	\$3,855	\$2,654	6.0%



Ship and Boat Building

3366 Ship and Boat Building

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with dry-docks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

43 companies; 5,537 employed;
12% of Metal/Ship Industry Employment

# of Employees	% of Companies
1-49	82%
50-99	0%
100-249	13%
250+	7%

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

Top 5 Job Categories:

- 25% Layout Workers, Metal and Plastic
- 14% Welders, Cutters, Solderers, and Brazers
- 9% First-Line Supervisors of Production and Operating Workers
- 5% Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
- 3% Helpers--Production Workers

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.

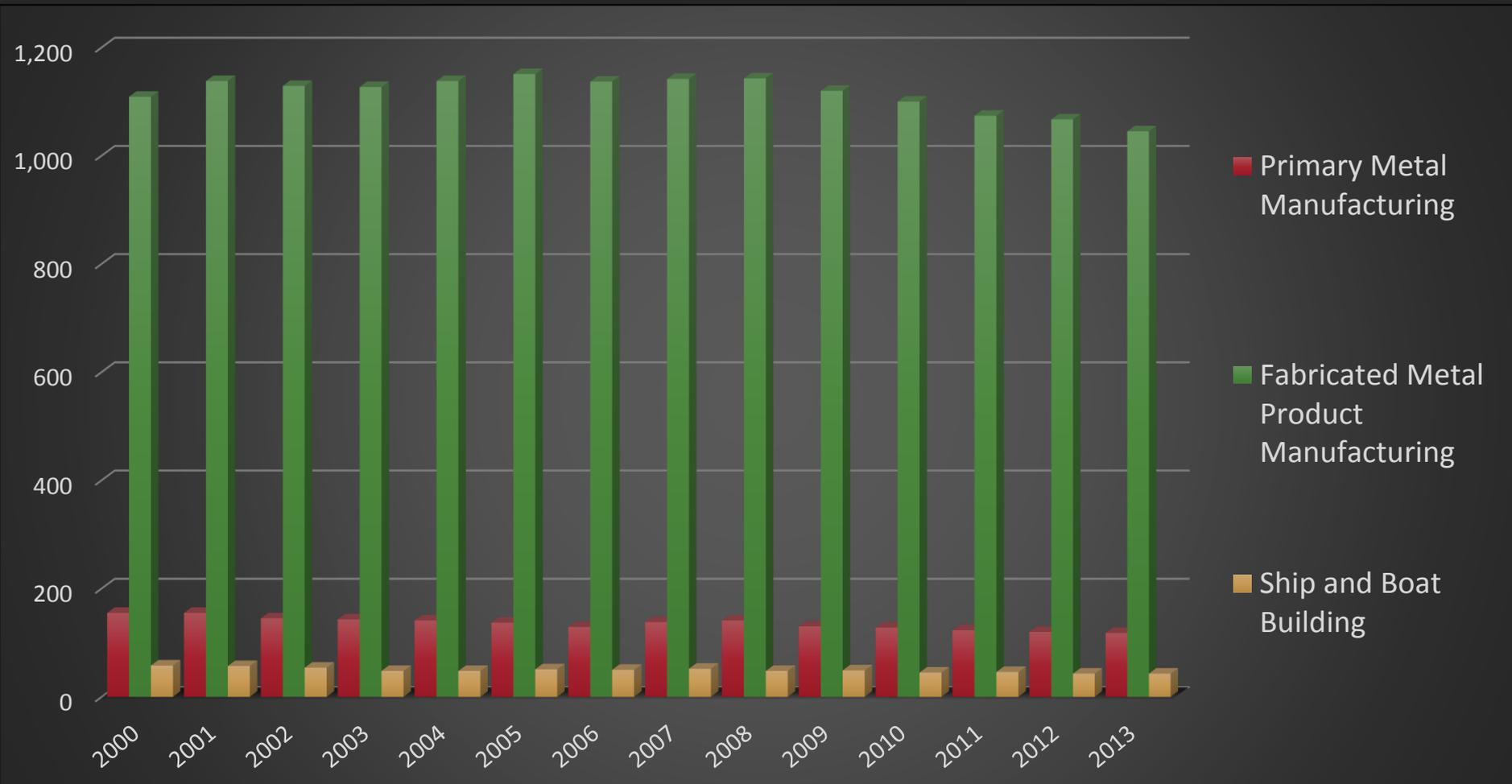


Ship and Boat Building Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	*	\$4,610	\$4,166	*
2 – 3 Years	52	\$3,431	\$3,125	8.7%
4 – 5 Years	*	\$2,402	\$2,351	*
6 – 10 Years	221	\$2,989	\$2,289	17.8%
11+ Years	4,399	\$4,452	\$3,499	9.0%
All Firm Ages	4,670	\$4,372	\$3,407	9.5%

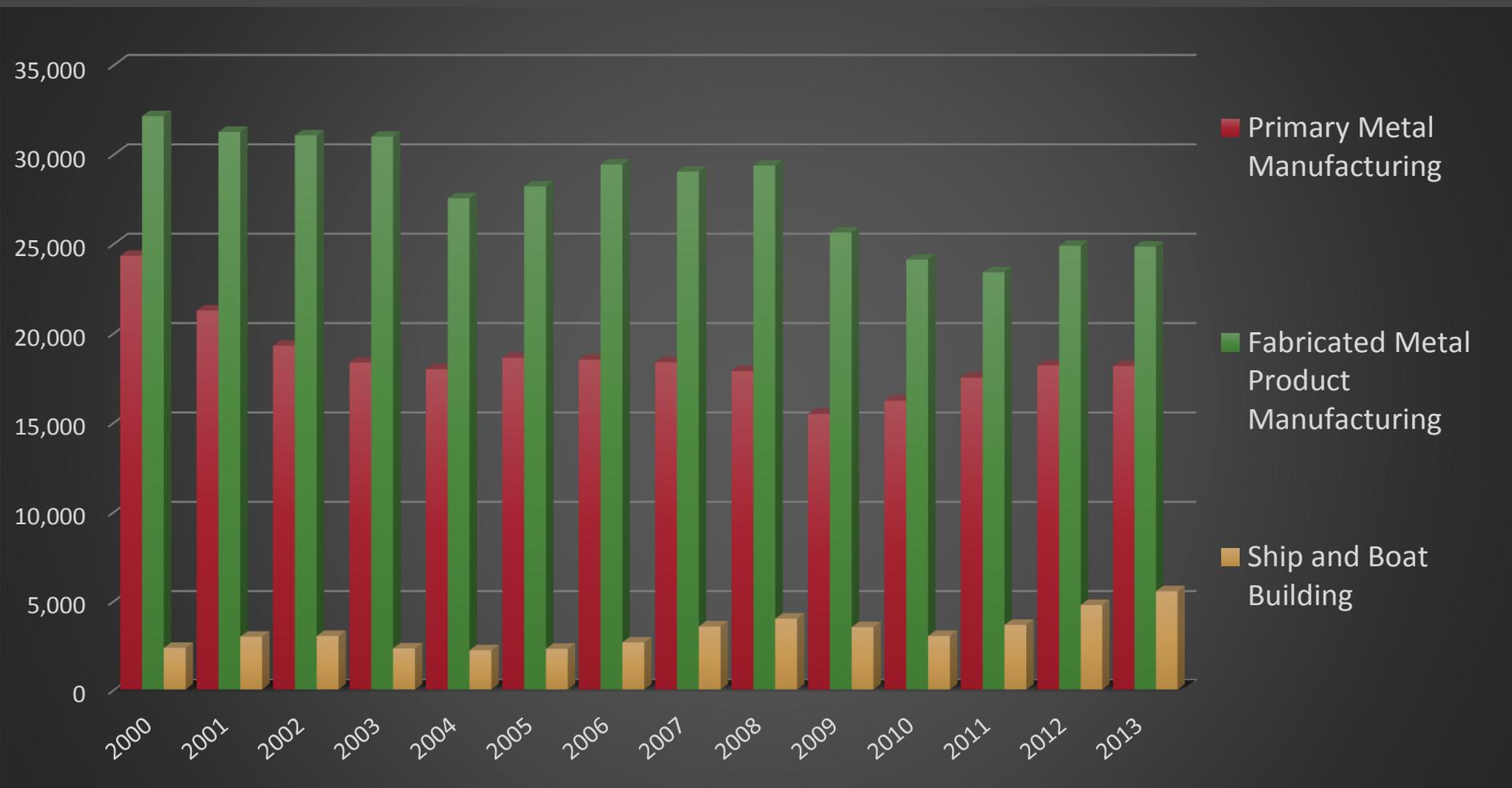


Development of Alabama's Sheet Metal and Ship Manufacturing Industry by Company





Development of Alabama's Sheet Metal and Ship Manufacturing Industry by Employment



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



Top Occupations for Sheet Metal and Ship Manufacturing by Rounded Employment

Occupations	# of Jobs	% of Total
Welders, Cutters, Solderers, and Brazers	3,090	6%
Machinists	2,410	5%
First-Line Supervisors of Production and Operating Workers	2,400	5%
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,810	4%
Team Assemblers	1,790	4%
Industrial Machinery Mechanics	1,590	3%
Layout Workers, Metal and Plastic	1,400	3%
Helpers--Production Workers	1,390	3%
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	1,360	3%
Remaining Occupations	30,570	64%

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

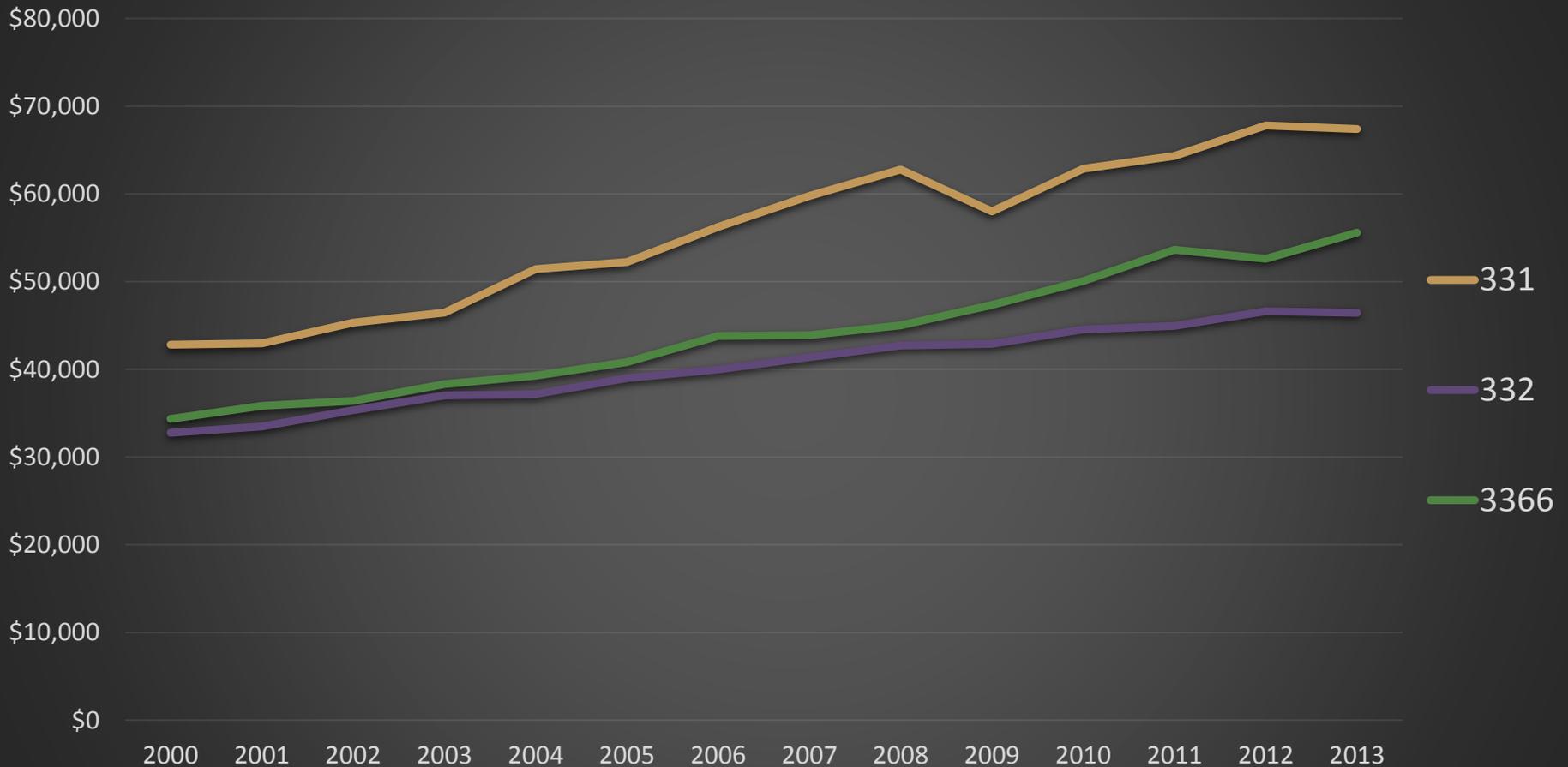
Occupation	Rounded Emp.	Mean Hourly	Mean Annual	Entry Hourly	Entry Annual	Experience Hourly	Experience Annual
Welders, Cutters, Solderers, and Brazers	3,090	\$17.87	\$37,145	\$12.50	\$25,994	\$20.54	\$42,726
Machinists	2,410	\$19.21	\$39,966	\$12.48	\$25,953	\$22.59	\$46,973
First-Line Supervisors of Production and Operating Workers	2,400	\$27.07	\$56,294	\$16.86	\$35,083	\$32.17	\$66,910
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	1,810	\$14.67	\$30,523	\$9.80	\$20,362	\$17.12	\$35,599
Team Assemblers	1,790	\$16.85	\$35,063	\$10.09	\$20,989	\$20.24	\$42,100
Industrial Machinery Mechanics	1,590	\$24.00	\$49,911	\$16.18	\$33,644	\$27.90	\$58,035
Layout Workers, Metal and Plastic	1,400	\$22.26	\$46,316	\$15.14	\$31,484	\$25.83	\$53,737
Helpers--Production Workers	1,390	\$11.54	\$23,992	\$8.27	\$17,198	\$13.17	\$27,399
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	1,360	\$20.95	\$43,566	\$12.00	\$24,962	\$25.42	\$52,867
Structural Metal Fabricators and Fitters	1,230	\$17.19	\$35,750	\$11.66	\$24,255	\$19.95	\$41,493

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





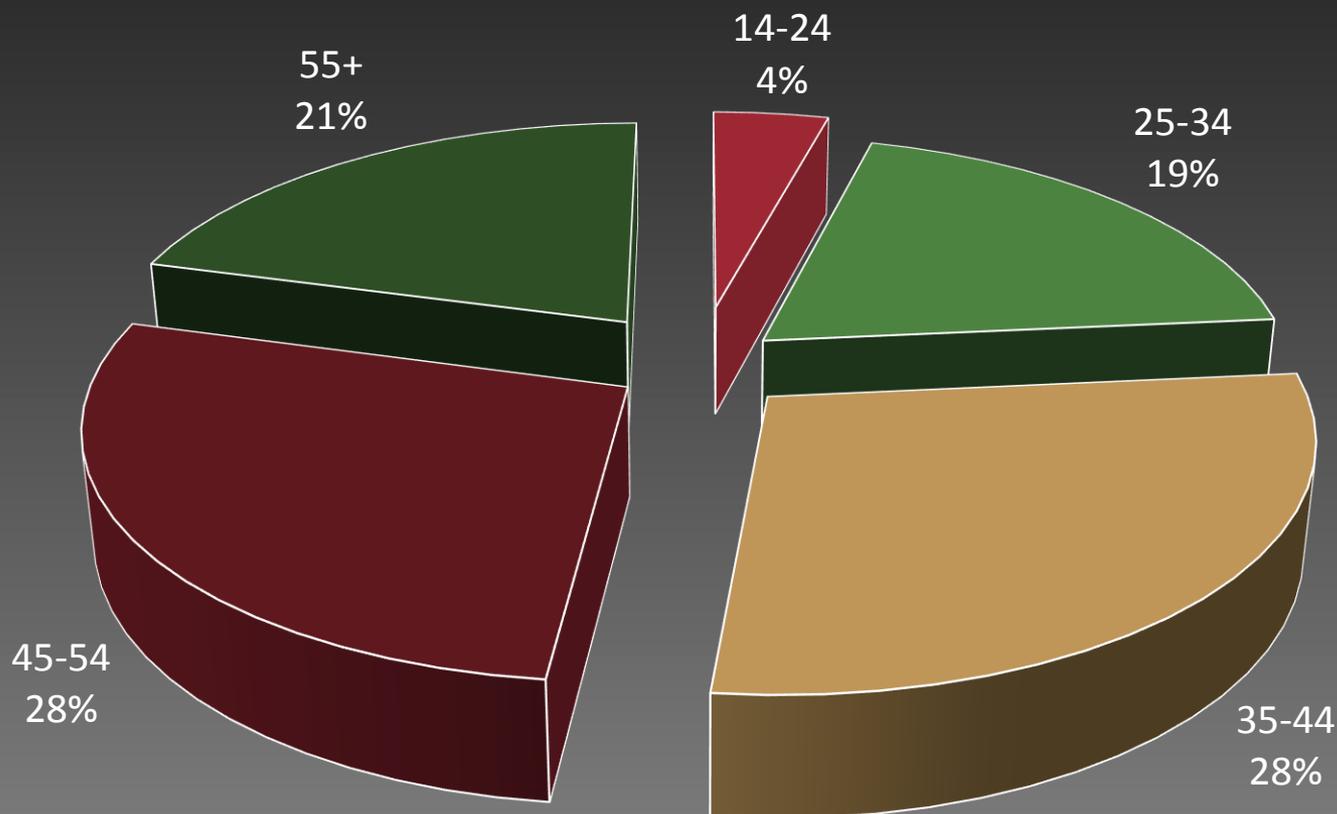
2013 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
331	Primary Metal Manufacturing	3.7%	216	-92	\$5,709	\$4,134
332	Fabricated Metal Product Manufacturing	6.1%	687	16	\$3,855	\$2,654
3366	Ship and Boat Building	9.5%	230	149	\$4,369	\$3,406



331 Primary Metal Manufacturing

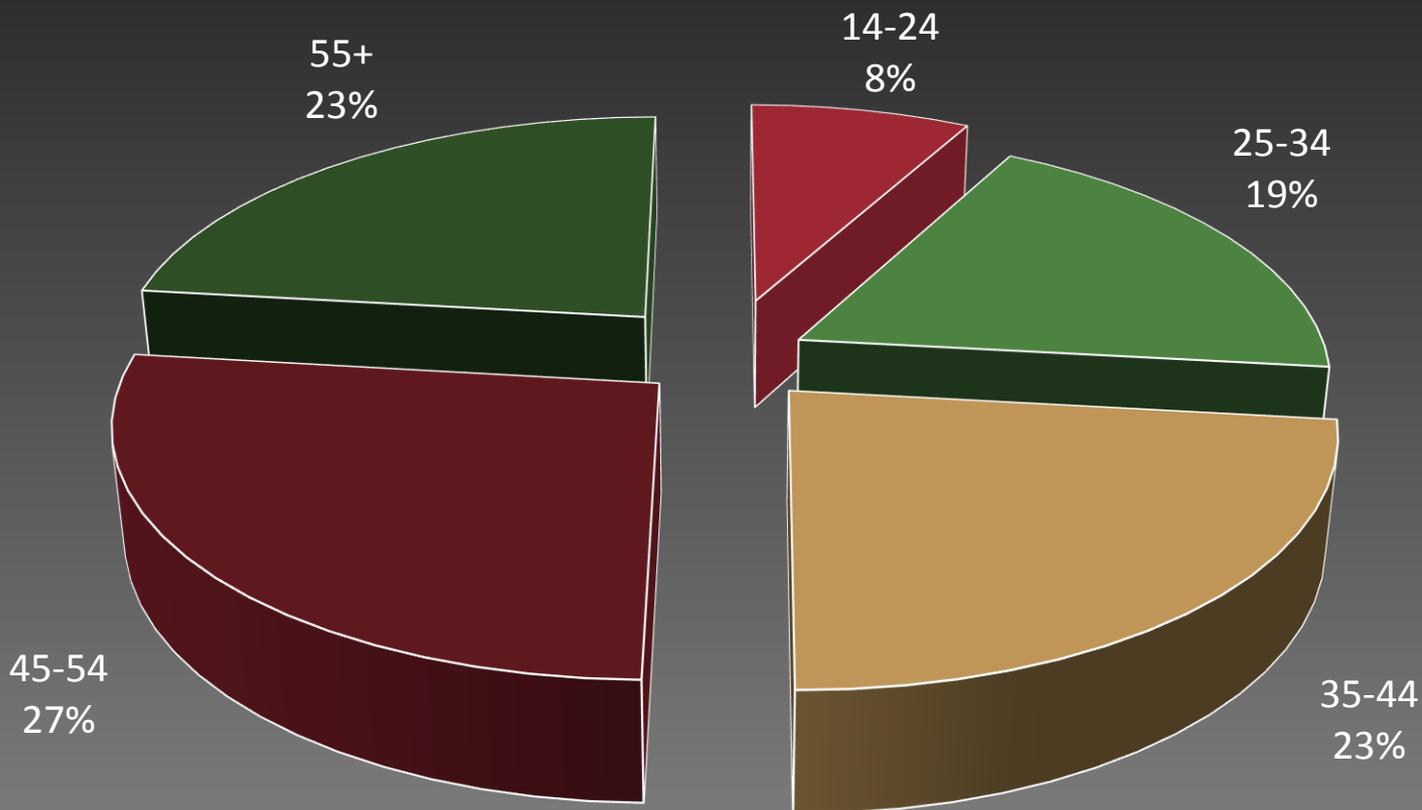
2013 Average Annual Employment by Age Group





332 Fabricated Metal Product Manufacturing

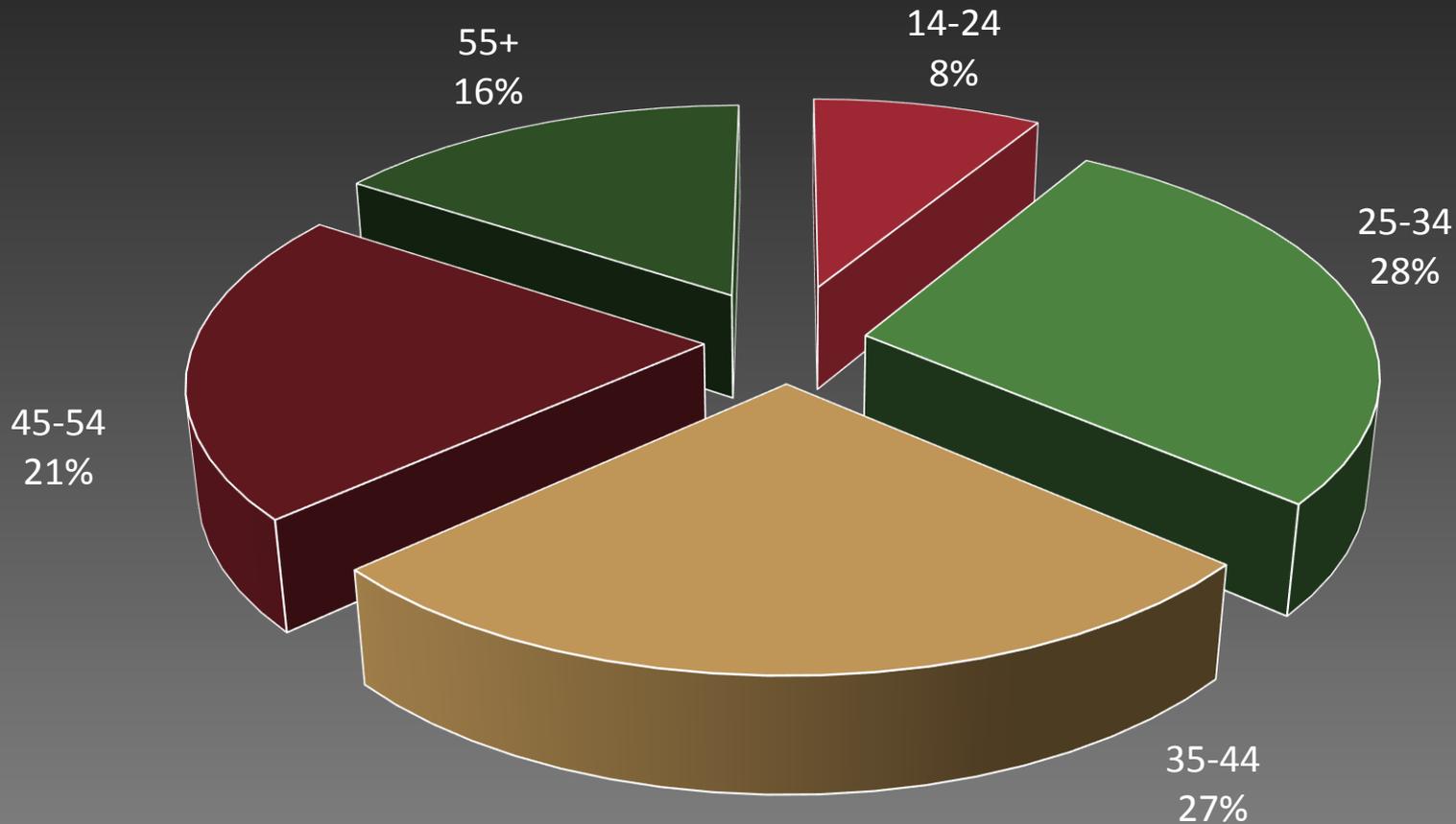
2013 Average Annual Employment by Age Group





3366 Ship and Boat Building

2013 Average Annual Employment by Age Group





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
331	Primary Metal Manufacturing	18,170	18,840	670	3.69	0.36	-1.21	3.19
332	Fabricated Metal Product Manufacturing	24,870	28,840	3,970	15.96	1.49	0.57	1.24
3366	Ship and Boat Building	4,760	5,470	710	14.92	1.40	-1.02	2.60



Major Sheet Metal and Ship Manufacturing Regions

Sheet Metal and Ship Manufacturing Industry Maps: Statewide

- Workforce Development Region 1
- Workforce Development Region 2
- Workforce Development Region 3
- Workforce Development Region 4
- Workforce Development Region 5
- Workforce Development Region 6
- Workforce Development Region 7
- Workforce Development Region 8
- Workforce Development Region 9
- Workforce Development Region 10