



Marine Trades

With over 400 miles of coastline and more than 100 fresh and salt water beaches, Rhode Island's Marine Trades industry cluster play a large role in the state's economy. Whether it is recreational purposes, such as sightseeing cruises on Narragansett Bay, or commercial purposes, such as ship building at Quonset Point, Marine Trades bring tourism spending, employment opportunities, and federal contract dollars into the Ocean State.

Industry Cluster Profile

In 2012, Marine Trades businesses employed an average of 5,190 workers. Between 2002 and 2012, employment in the Ocean State's Marine Trades industry cluster increased by 2.0 percent, while private employment statewide decreased by 2.8 percent.

Overall, Marine Trades workers earned an annual average wage of \$51,814 in 2012, higher than the private sector average (\$44,581) due, in part, to higher wages paid to Sporting & Recreation Goods Wholesalers and higher-skilled Ship & Boat Builders. In 2012, the Ocean State's 317 Marine Trades establishments paid nearly \$269 million in wages, accounting for 1.5 percent of the total private sector wages paid during the year.

Marine Trades Employment in Rhode Island

Industry	Annual Average Employment			2002-2012		2006-2012	
	2002	2006	2012	Change%	Change	Change%	Change
Total Private & Government	468,451	480,589	451,357	-17,094	-3.6%	-29,232	-6.1%
Total Private Only	404,079	417,706	392,758	-11,321	-2.8%	-24,948	-6.0%
Total for Marine Trades	5,089	5,264	5,190	101	2.0%	-74	-1.4%
Ship & Boat Building	3,498	3,330	3,399	-99	-2.8%	69	2.1%
Sporting & Recreational Goods							
Merchant Whslrs.*	210	247	203	-7	-3.3%	-44	-17.8%
Boat Dealers	342	422	331	-11	-3.2%	-91	-21.6%
Scenic & Sightseeing Transportation, Water	203	178	123	-80	-39.4%	-55	-30.9%
Support Activities for Water Transportation	160	227	254	94	58.8%	27	11.9%
Marinas	503	604	742	239	47.5%	138	22.8%
Other Personal & Household Goods							
Repair & Maint.**	173	256	138	-35	-20.2%	-118	-46.1%

*Includes establishments engaged in the wholesale distribution of marine pleasure craft, equipment and supplies, as well as those that distribute billiard and pool supplies and sporting firearms and ammunition.

**Includes establishments that repair motorboats, sailboats and canoes as well as those that repair watches, jewelry, musical instruments, motorcycles and bicycles.

Marine Trades cover a wide range of industries located in different economic sectors, including Manufacturing, Wholesale Trade, Retail Trade, Transportation and Art, Entertainment & Recreation. In 2012, Marine Trades accounted for 1.3 percent of jobs in the state's private sector employment.

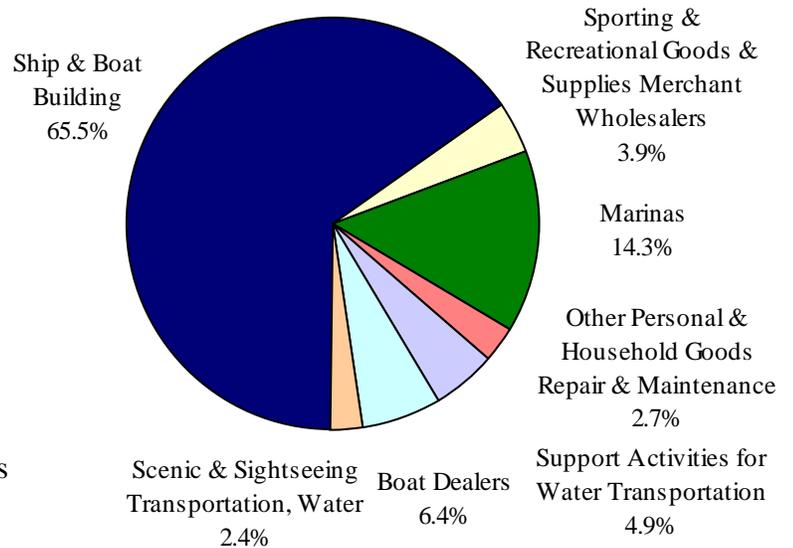
Marine Trades largest subsectors are Ship & Boat Building (65.5%) and Marinas (14.3%), comprising 79.8 percent of Marine Trades employment.

Ship & Boat Building, a Manufacturing subsector, includes Ship Building & Repairing and Boat Building. Ship Building & Repairing establishments are primarily engaged in operating a shipyard capable of building and repairing ships, defined as watercraft intended for other than personal or recreational use. Boat Building establishments build watercraft suitable for personal use. Boat Repairing is included in the Other Personal & Household Goods Repair & Maintenance subsector. In 2012, Ship & Boat Building businesses employed an average of 3,399 workers and accounted for nearly two-thirds (65.5%) of all Marine Trades employment in Rhode Island.

Marinas, an Arts, Entertainment & Recreation subsector, includes establishments engaged in operating docking and/or storage facilities for pleasure craft owners. These businesses may also provide other boating-related services. In 2012, these businesses accounted for 742 jobs, or 14.3 percent of Marine Trades employment.

The remaining subsectors of Marine Trades include Boat Dealers (6.4%), Support Activities for Water Transportation (4.9%), Sporting & Recreational Goods & Supplies Merchant Wholesalers (3.9%), Other Personal & Household Goods Repair & Maintenance (2.7%, includes Boat Repair) and Scenic & Sightseeing Transportation, Water (2.4%).

**Marine Trades
Employment by Industry, 2012**



**Marine Trades in Rhode Island
2012**

Industry	Number of Units	Average Employment	Total Wages	Average Wage
Total Private & Government	35,289	451,357	\$21,063,313,935	\$46,667
Total Private Only	34,572	392,758	\$17,509,572,721	\$44,581
Total for Marine Trades	317	5,190	\$268,912,277	\$51,814
Ship & Boat Building	42	3,399	\$198,396,850	\$58,369
Sporting & Recreational Goods & Supplies Merchant Whlsrs.*	28	203	\$12,977,609	\$63,929
Boat Dealers	60	331	\$14,007,426	\$42,319
Scenic & Sightseeing Transportation, Water	40	123	\$3,349,162	\$27,229
Support Activities for Water Transportation	16	254	\$10,280,488	\$40,474
Marinas	75	742	\$25,675,054	\$34,602
Other Personal & Household Goods Repair & Maintenance**	56	138	\$4,225,688	\$30,621

Marine Trades Employment as Percent of Private Sector Employment, 2012

Industry	US	CT	MA	ME	NH	RI	VT
Total Private & Government	131,696,378	1,627,748	3,242,273	583,196	612,419	451,357	299,519
Total Private Only	110,645,869	1,391,749	2,828,275	486,542	527,252	392,758	247,087
Total for Marine Trades	0.3%	0.2%	0.2%	1.7%	0.2%	1.3%	0.2%
Ship & Boat Building	0.1%	*	0.0%	1.3%	0.0%	0.9%	0.0%
Sporting & Recreational Goods Merchant Whslrs.	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
Boat Dealers	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%
Scenic & Sightseeing Transportation, Water	0.0%	0.0%	0.0%	0.0%	*	0.0%	*
Support Activities for Water Transportation	0.1%	0.0%	0.0%	0.0%	*	0.1%	*
Marinas	0.0%	0.1%	0.1%	0.2%	0.0%	0.2%	0.0%
Other Personal & Household Goods Repair & Maint.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Source: Bureau of Labor Statistics, Quarterly Census of Employment and Wages

*Confidential data not included in Marine Trades Employment percentage calculations.

In 2012, Marine Trades comprised 1.3 percent of all private employment in Rhode Island, higher than the national average (0.3%). Based on available data, Rhode Island has the second highest percentage of Marine Trades jobs in New England, trailing only Maine (1.7%).

Occupations Profile



Overall, jobs in the Marine Trades industry cluster have a greater reliance on jobs requiring on-the-job training than jobs in the private sector as a whole. Nearly one-third (32.5%) of the workers in Marine Trades are employed in occupations requiring long-term on-the-job training compared to just 7 percent of private sector workers.

A greater percentage of workers required moderate-term on-the-job training (23.7%) than private sector workers (17%), while a smaller percentage of the cluster's workers (5.6%) are employed in occupations requiring four-year college degrees than are private sector workers (21%).

Employment by Education/Training Requirements

	Cluster Share	Private Sector
Bachelor's Degree or Higher	5.6%	21%
Associate Degree	0.5%	5%
Postsecondary Vocational	0.6%	6%
Work Experience	7.7%	8%
Long-Term OJT	32.5%	7%
Moderate-Term OJT	23.7%	17%
Short-Term OJT	29.4%	35%



Occupations Commonly Found in Marine Trades

Occupations	Estimated RI Employment	Education & Training Code	Median Wages			
			US	RI	MA	CT
Welders, Cutters, Solderers, & Brazers	470	9	16.71	20.02	19.64	19.06
Electricians	320	9	22.68	25.31	27.66	25.61
Structural Metal Fabricators & Fitters	265	10	16.29	20.92	18.05	16.48
Machinists	200	9	18.10	20.17	21.27	19.57
Painters, Transportation Equipment	180	9	18.38	18.01	18.44	22.73
Laborers & Freight, Stock, & Material Movers, Hand	180	11	11.11	13.00	12.62	12.38
Carpenters	150	9	18.98	20.42	24.31	23.91
Fiberglass Laminators & Fabricators	150	10	13.65	16.13	17.82	n/a
Team Assemblers	150	10	12.89	10.46	12.63	13.45
Sheet Metal Workers	130	9	19.54	21.76	25.89	22.19
Waiters & Waitresses	115	11	8.50	8.23	12.35	9.15
Production, Planning, & Expediting Clerks	115	11	19.98	21.25	22.89	22.37
First-Line Supervisors/Managers Of Construction Trades & Extraction Workers	100	8	28.04	31.70	34.34	32.89
Motorboat Mechanics	100	-	15.30	14.05	19.17	18.26
General & Operations Managers	95	4	44.55	48.24	47.84	53.31
Landscaping & Groundskeeping Workers	95	11	11.29	12.83	14.21	14.10
Recreation Workers	90	11	10.71	10.66	12.09	12.25
Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	90	10	24.48	26.54	28.98	29.25
Stock Clerks & Order Fillers	80	11	10.08	10.29	10.67	11.08
Sailors & Marine Oilers	80	11	17.22	11.01	14.71	13.27
Bartenders	75	11	8.82	8.86	10.98	9.08
Retail Salespersons	75	11	9.74	10.38	10.33	10.55
Inspectors, Testers, Sorters, Samplers, & Weighers	75	10	15.54	14.16	17.50	18.61
Coating, Painting, & Spraying Machine Setters, Operators, & Tenders	62	10	14.06	13.70	16.08	16.00
Cashiers	60	11	8.57	8.82	9.14	9.19
Bookkeeping, Accounting, & Auditing Clerks	60	10	16.08	17.22	18.45	18.68
Secretaries, Except Legal, Medical, & Executive	60	10	14.41	16.70	18.13	17.58
Maintenance & Repair Workers, General	60	10	16.65	17.79	19.24	20.46
Captains, Mates, & Pilots Of Water Vessels	60	8	30.88	25.89	19.62	21.75
Counter & Rental Clerks	55	11	10.24	10.35	11.67	10.53

Education & Training Code & Description: 1 First professional degree; 2 Doctoral degree; 3 Master's degree; 4 Bachelor's or higher degree, plus work experience; 5 Bachelor's degree; 6 Associate degree; 7 Postsecondary vocational training; 8 Work experience in a related occupation 9 Long-term on-the-job training; 10 Moderate-term on-the-job training; 11 Short-term on-the-job training

Wages are from May 2009 OES Survey. Annual salaries reported for occupations with non-standard work weeks.

n/a: Wage or Employment Not Available, #: Wage greater than \$80.00 per hour or \$166,400 per year

