

# PORTS & MARITIME TRANSPORTATION



**SMART SECTORS**  
A PROGRAM OF U.S. EPA



ECONOMICS



ENVIRONMENTAL  
IMPACT



EFFICIENCY

# PORTS & MARITIME TRANSPORTATION



## Ports and Maritime Transportation Descriptive Statistics



### U.S. Ship and Boat Building



134,051 Employees



1,514 Establishments



\$35.0 Billion in Gross Output

### U.S. Port and Harbor Operations, Marine Cargo Handling



67,186 Employees



825 Establishments



\$12.4 Billion in Gross Output

*Economic Census: Manufacturing Summary Statistics, 2017*

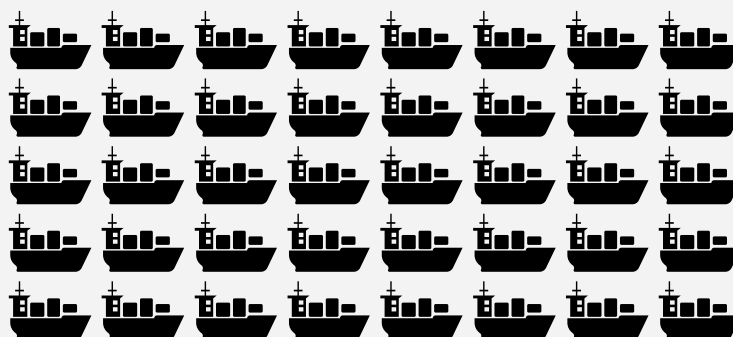
*Economic Census: Transportation and Warehousing Summary Statistics, 2017*



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**There are over 40,000 Jones Act American vessels in operation.**



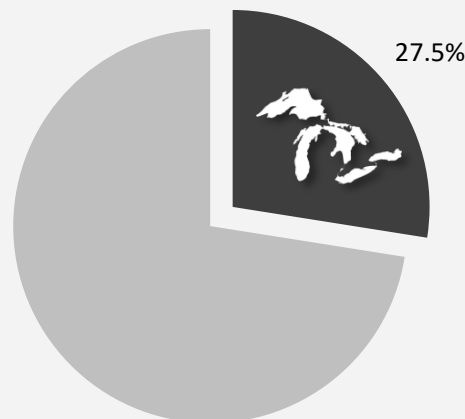
**The Jones Act requires that vessels carrying goods between U.S. ports be built in the U.S., registered in the U.S., operated by at least 75% U.S. citizens, and owned by U.S. companies with at least 75% U.S.-citizen ownership.**

*The Transportation Institute, 2019*





## Boats Registered in the U.S.



**In 2018, 11.9 million boats were registered in the U.S., 27.5% of which were in the Great Lakes region.**

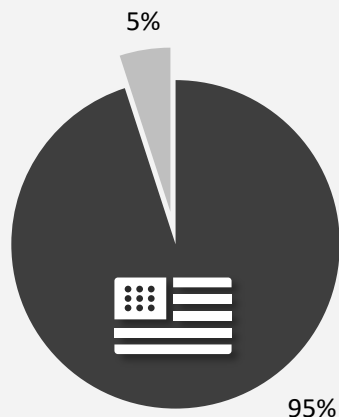
*National Marine Manufacturers Association, 2019*



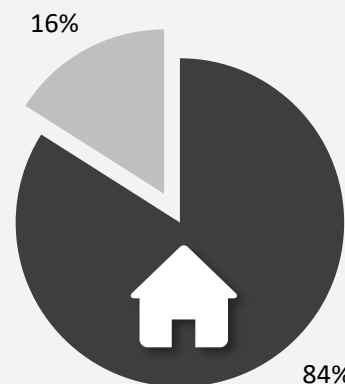
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## Boat Manufacturer Data



**95% of boats sold in the U.S. are manufactured in the U.S.**



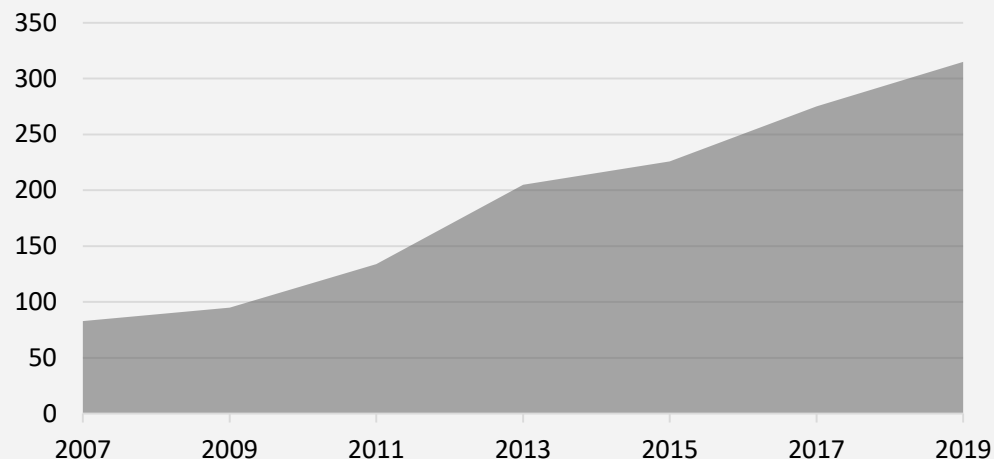
**84% of U.S. boat manufacturers are small businesses.**

*National Marine Manufacturers Association, 2019*



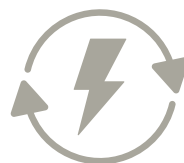


## Voluntary Participation in Green Marine Program



**The Green Marine program is an environmental certification program for North American ship owners, port authorities, and others addressing air, land, and water pollution issues. Between 2007 and 2019, membership grew from 83 to 315 participants.**

*Green Marine, 2018*

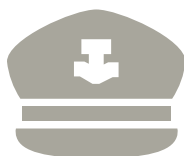


## Diesel Emissions Reduction Act Grant Funds Awarded Solely to Port Projects



**Since 2008, a total of 152 clean diesel grants have been awarded to port specific projects, totaling \$148 million.**

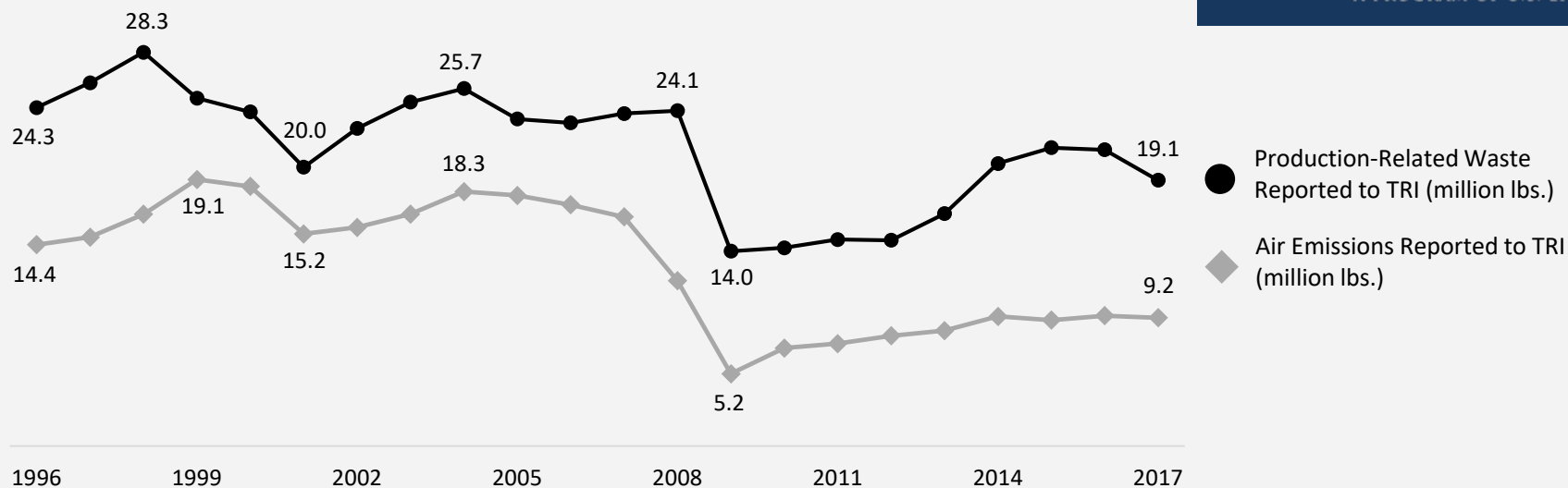
*U.S. EPA, 2019*



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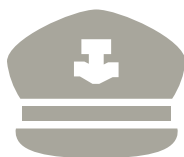


## TRI Reporting from Ship and Boat Building Activities



**Between 1996 and 2017, air emissions reported to TRI decreased from 14.4 to 9.2 million pounds, and production-related waste reported to TRI decreased from 24.3 to 19.1 million pounds.**

*U.S. EPA, Toxics Release Inventory, 2019*



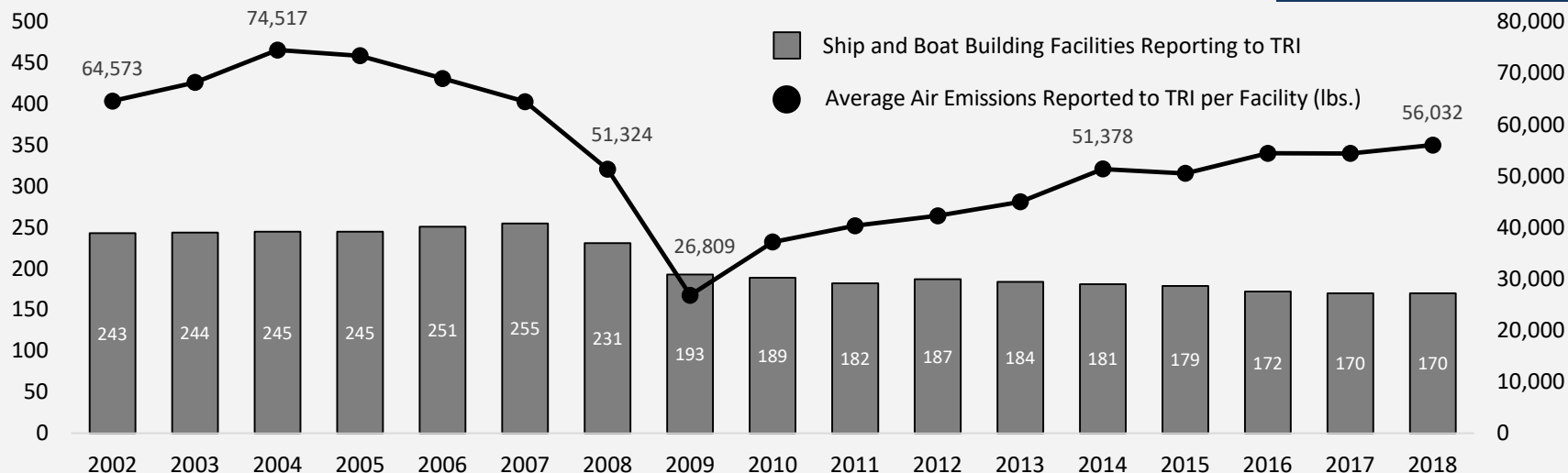


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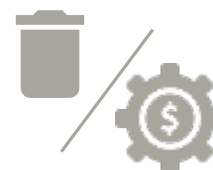
## Ship and Boat Building Sector Air Emissions Reported to TRI vs. Number of Facilities Reporting to TRI

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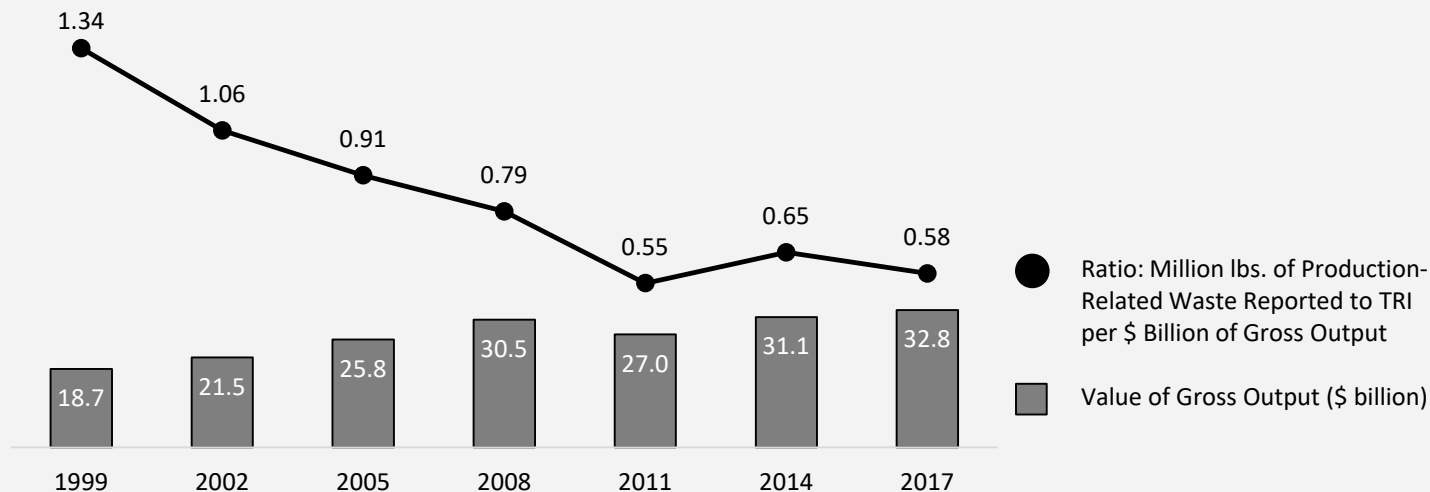


**Between 2002 and 2018, the average air emissions reported to TRI per facility decreased from 64,573 pounds to 56,032 pounds.**

*U.S. EPA, Toxics Release Inventory, 2019*



## Ship and Boat Building Sector Production-Related Waste Reported to TRI vs. Value of Gross Output



**Between 1999 and 2017, the ratio of production-related waste reported to TRI to the value of gross output for the ship and boat building sector decreased from 1.34 to 0.58.**

*U.S. EPA, Toxics Release Inventory, 2019; Bureau of Economic Analysis, 2018*



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The ports and maritime transportation sector includes ship and boat building (NAICS 33661), ports and harbor operations (NAICS 48831), and marine cargo handling (48832).

Ship and boat building establishments construct watercraft ranging from small boats to large seafaring vessels. Businesses in ports and harbor operations are involved in the operation and maintenance of facilities at ports, docks, piers, and canals, while marine cargo handling businesses are involved in the transfer of cargo between ships and barges, trucks, trains, pipelines, or wharfs.

For more information about the EPA Smart Sectors program, visit: [epa.gov/smartsectors](https://epa.gov/smartsectors).

For more information about the ports and maritime transportation sector, visit:

- [U.S. EPA Ports Initiative](#)
- [U.S. Census Bureau, NAICS 33661](#)
- [U.S. Census Bureau, NAICS 48831](#)
- [U.S. Census Bureau, NAICS 48832](#)
- [U.S. Maritime Administration](#)