

November

20
23

ECONOMIC IMPACTS OF

Washington's Maritime Industry 2022



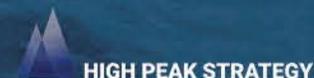
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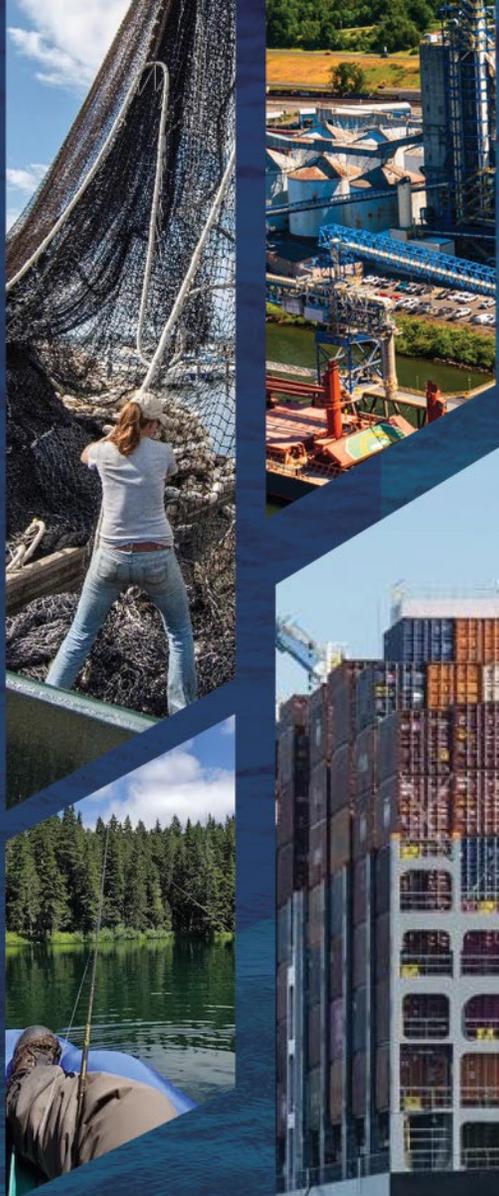


PREPARED BY



IN ASSOCIATION WITH





McKinley Research Group

- Research and consulting since 1972
- Offices in Juneau, Anchorage, Bellingham
- Economic Analysis, Community Economic Planning, Business Development, Survey Research and others
- Conducted 100+ economic impact studies
- PNW Maritime studies include...
 - Economic impact of the Ballard Locks
 - Modernization of the North Pacific Fishing Fleet
 - Lewis Clark Valley Riverboat Market Assessment
 - Anacortes Marina Economic Impact Analysis
 - Port of Kalama Harbor Improvement Scheme

Study Sponsors

Gold Sponsor

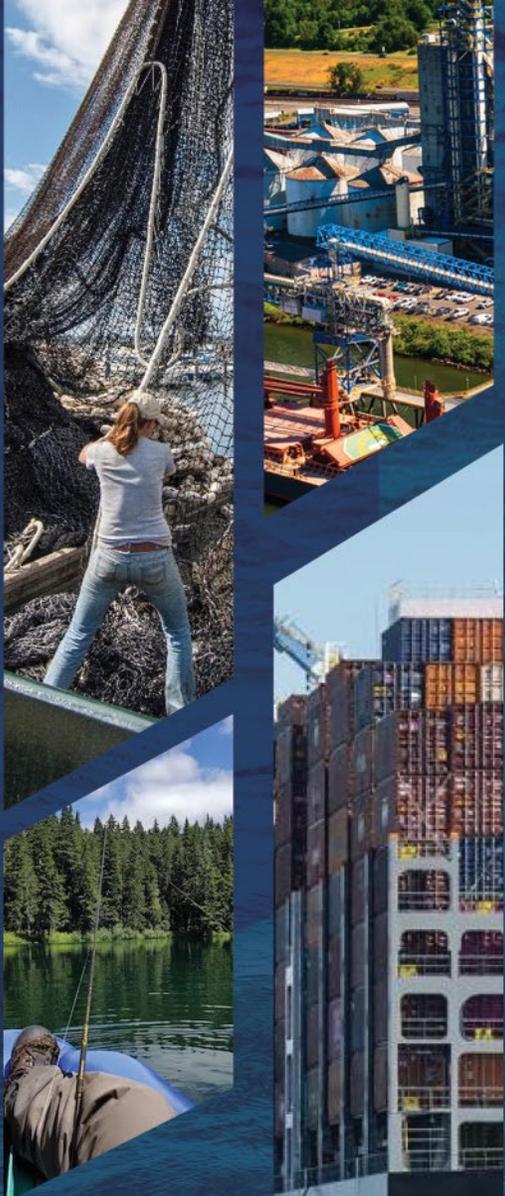


Silver Sponsors



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Methodology

Data Sources

- U.S. Bureau of Labor Statistics, ESD, DOR, ADF&G, WSDF&W, NOAA, Census

Industry Sources

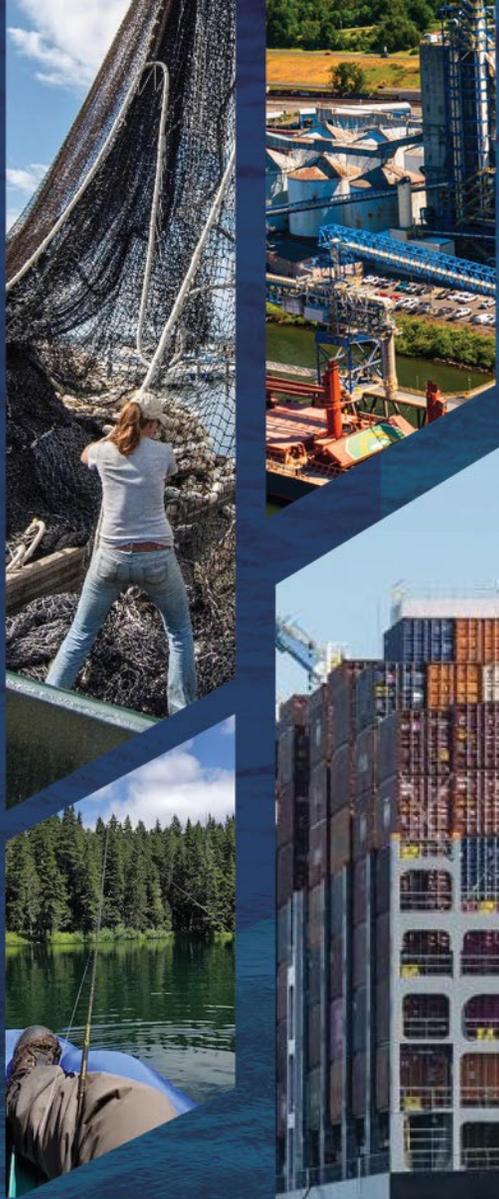
- WMF board members, seafood companies, workforce development programs, industry associations, ports, maritime support firms

Study Year

- 2022 had unique challenges: supply chain issues, labor negotiations, geopolitical factors, continued recovery from COVID.

Comparison with 2017 report (referring to 2015 data)

- Methodology updated for three out of six subsectors: commercial fishing/seafood, recreational boating, maritime support

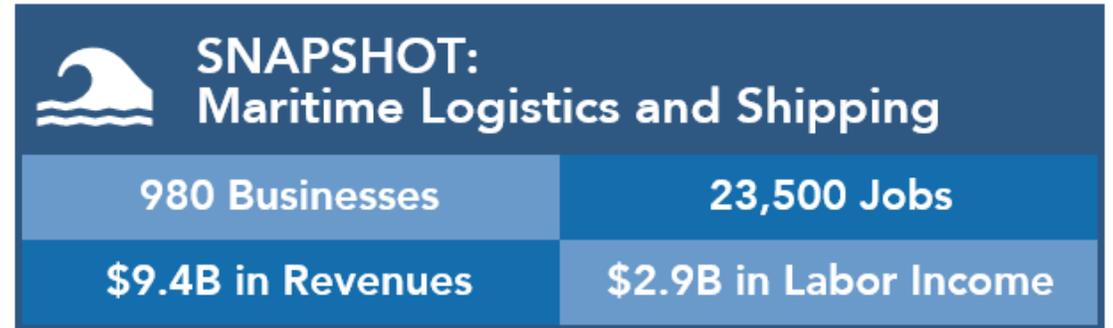


Maritime Sectors

- **Maritime Logistics and Shipping**
- **Shipbuilding, Repair, and Maintenance**
- **Commercial Fishing and Seafood Production**
- **Recreational Boating**
- **Passenger Water Transportation**
- **Maritime Support Services**

Maritime Logistics and Shipping

- Freight transportation, port and harbor operations, tugs/pilotage, cargo handling, warehousing/storage, trucking, rail
- **11** deep-draft sea and river ports
- Northwest Seaport Alliance: **4th largest** container gateway in North America
- **16 billion tons** of containerized cargo
- **56 billion tons** of non-containerized cargo



Source: Port of Seattle.

Shipbuilding, Repair, and Maintenance

- Commercial, recreational, government
- **61** commercial shipyards/boatyards
- Puget Sound Naval Shipyard: **14,000** workers
- 2022 exports: **\$91 million**
- 2022 US DOD contracts: **\$377 million**
- Shipyard/boatyard communities: Seattle, Tacoma, Everett, Port Angeles, Anacortes, Bremerton, Bellingham, Vancouver, La Conner, Colville, Clarkston, Port Townsend



SNAPSHOT: Shipbuilding, Repair, & Maintenance

145 Businesses

18,500 Jobs

\$8.2B in Revenues

\$2.3B in Labor Income



Source: Dakota Creek Industries.

Commercial Fishing and Seafood Production

- Fishermen, crew members, aquaculture workers, processor workers (onboard and shoreside)
- **More than half** of employment in seafood production preparation and packaging
- **More than half** of North Pacific fishing fleet homeport in Washington State (>58')
- **\$1.5 billion** in seafood exported from Seattle customs district



SNAPSHOT: Commercial Fishing & Seafood Production

780 Businesses

8,300 Jobs

\$3.8B in Revenues

\$825M in Labor Income



Source: Port of Seattle.

Recreational Boating

- Sportfishing, charter fishing, yachting, sightseeing cruises, etc.
- Boat purchases, maintenance, equipment, licenses, fuel, provisions
- **\$6 billion:** Value of recreational fleet
- **\$456 million:** Upkeep and maintenance
- **1.3 million:** Sportfishing licenses sold



SNAPSHOT: Recreational Boating

470 Businesses

2,500 Jobs

\$1.2B in Revenues

\$134M in Labor Income



Source: Washington State Department of Fish & Wildlife.

Passenger Water Transportation

- Ferries, cruise ships, riverboats
- Washington State Ferries: Nation's largest ferry system
- **17 million:** Number of WSF passengers, 2022
- Port of Seattle: gateway for ~**40%** of Alaska cruise passengers
- **1.3 million:** Number of Port of Seattle cruise passengers, 2022
- **74%:** Increase in cruise passengers, 2014-2023

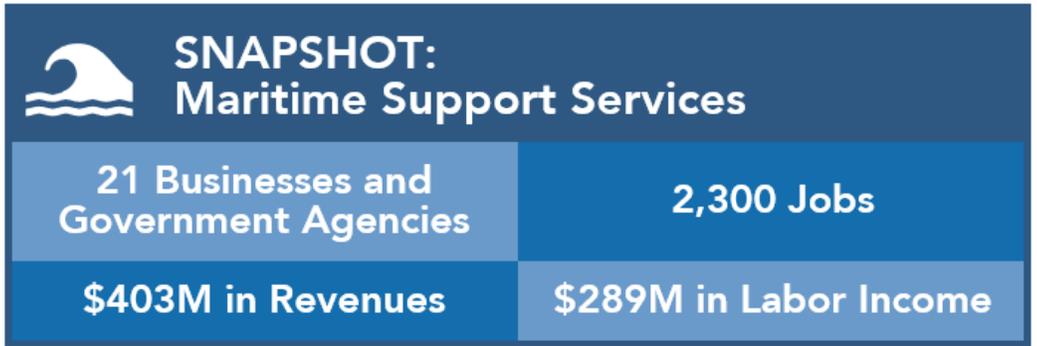
 SNAPSHOT: Passenger Water Transportation	
63 Businesses and Government Agencies	4,600 Jobs
\$529M in Revenues	\$397M in Labor Income



Source: Port of Seattle.

Maritime Support Services

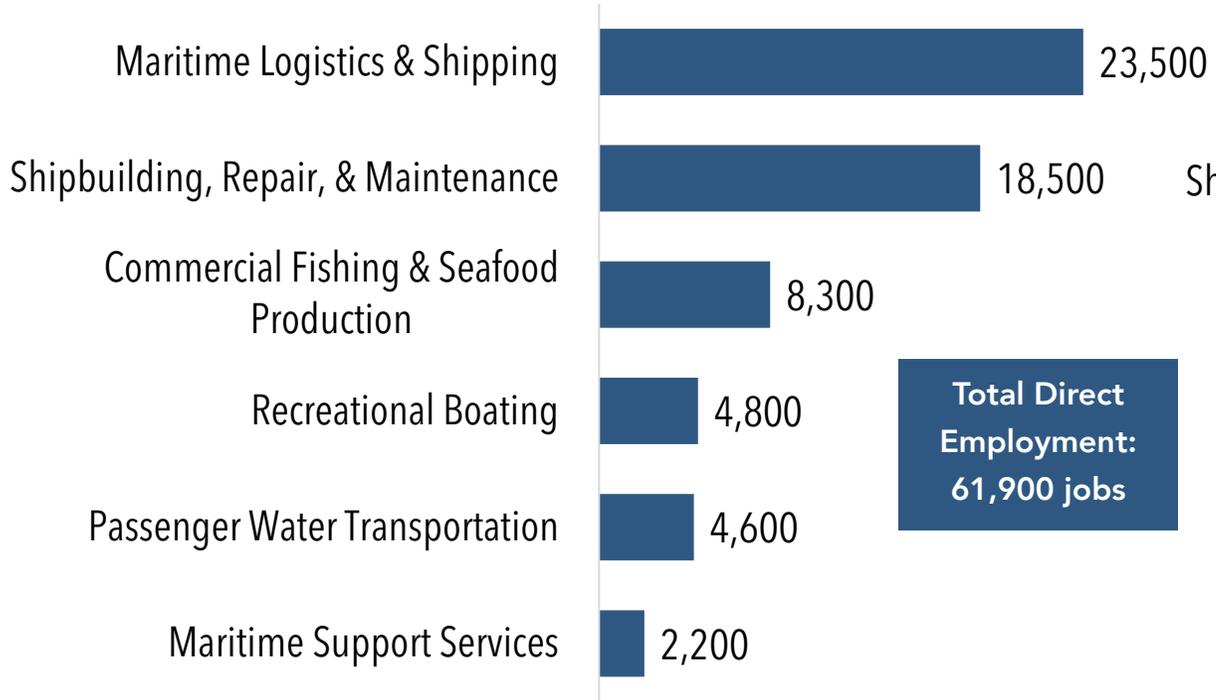
- Law, insurance, accounting, construction, naval architecture, educational institutions, research, public agencies, non-profits



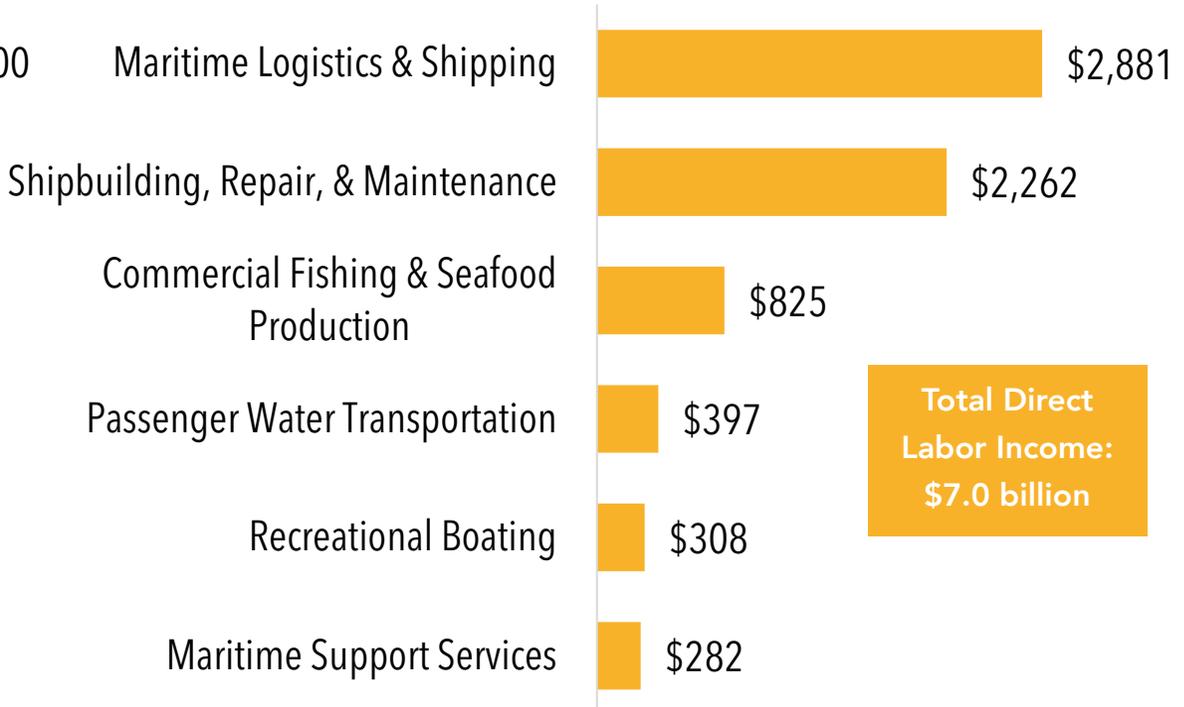
Source: Skagit Valley College.

Direct Impacts by Sector

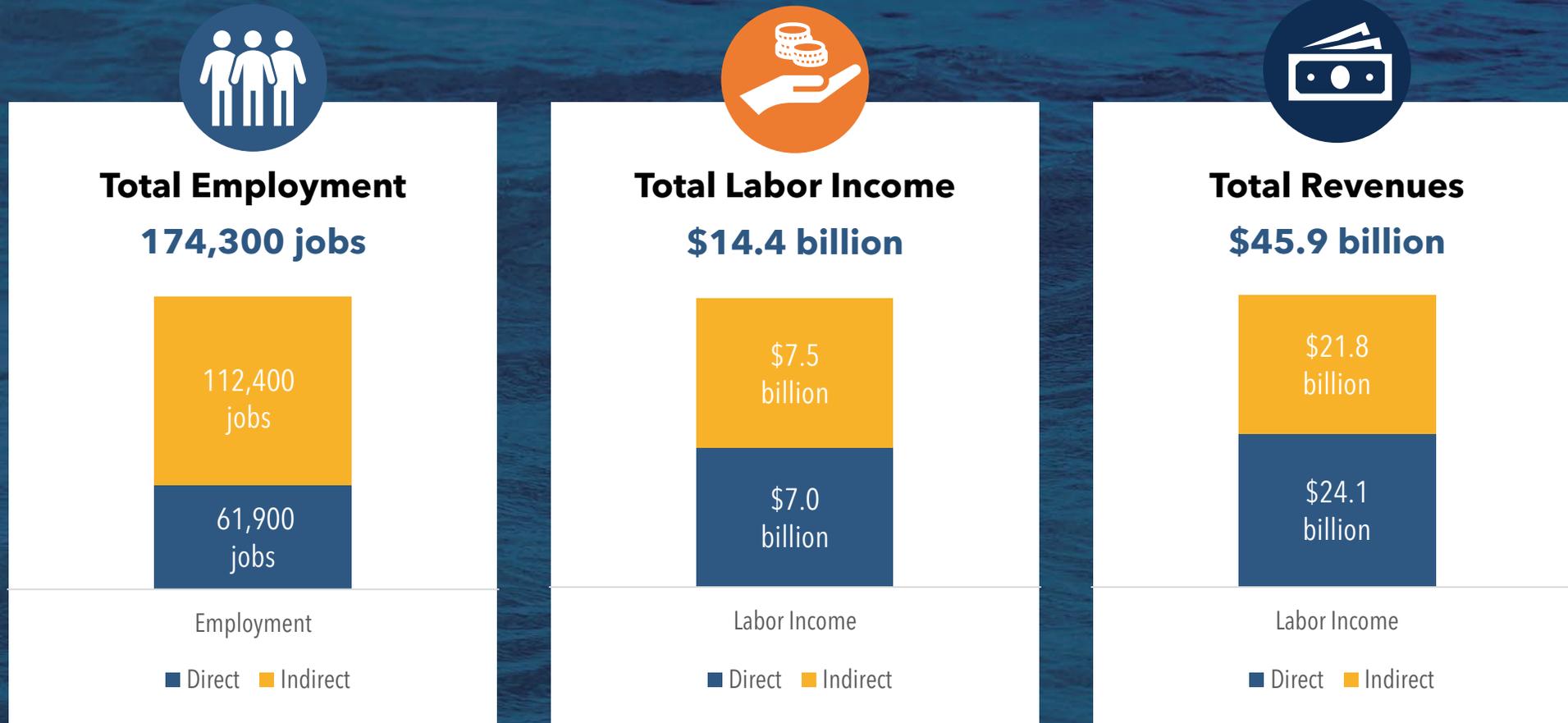
Direct Employment, by Sector



Direct Labor Income, by Sector (\$Millions)

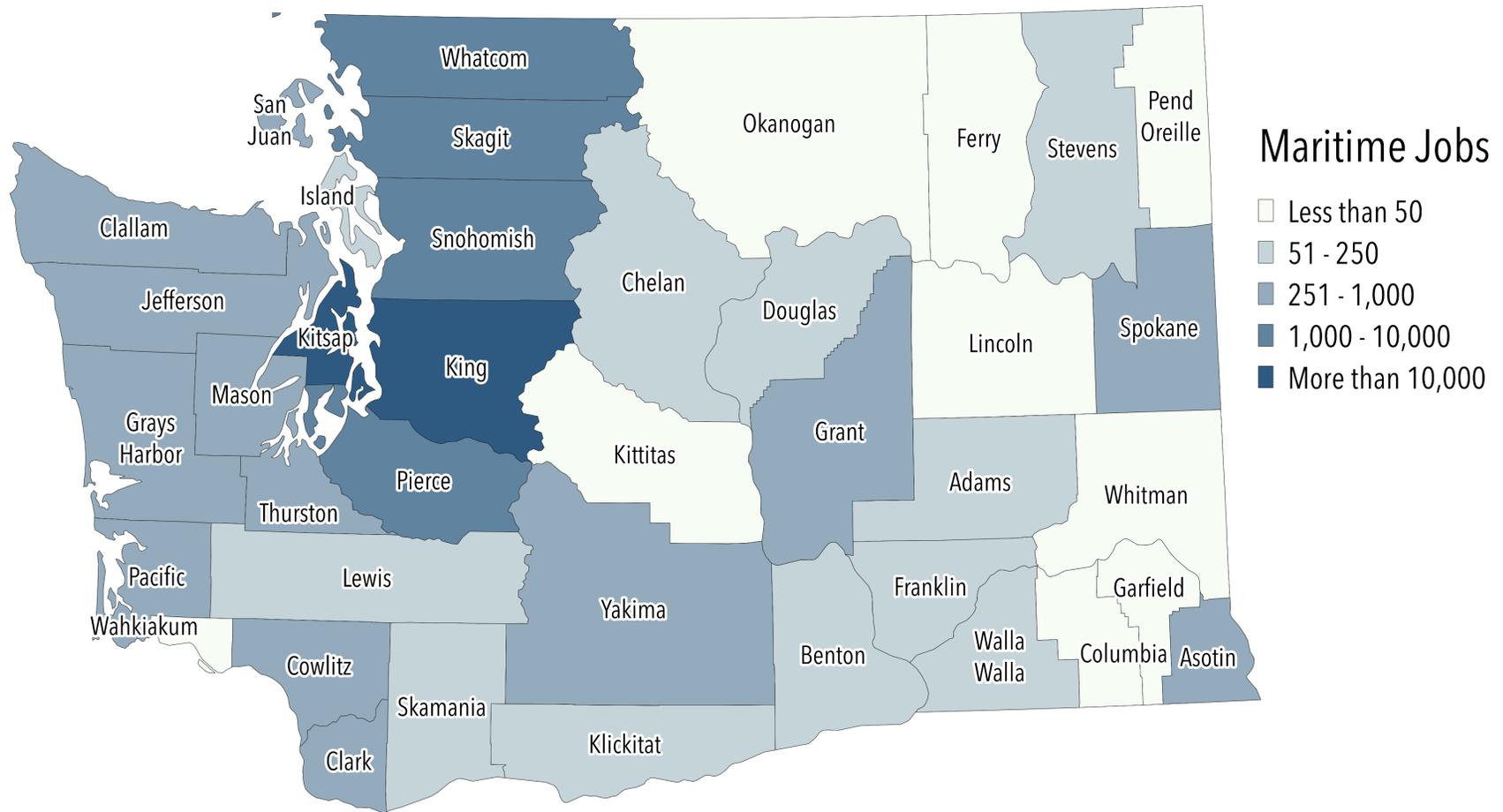


Total Economic Impacts, 2022



**State Government Revenues:
\$382 million including direct and indirect impacts**

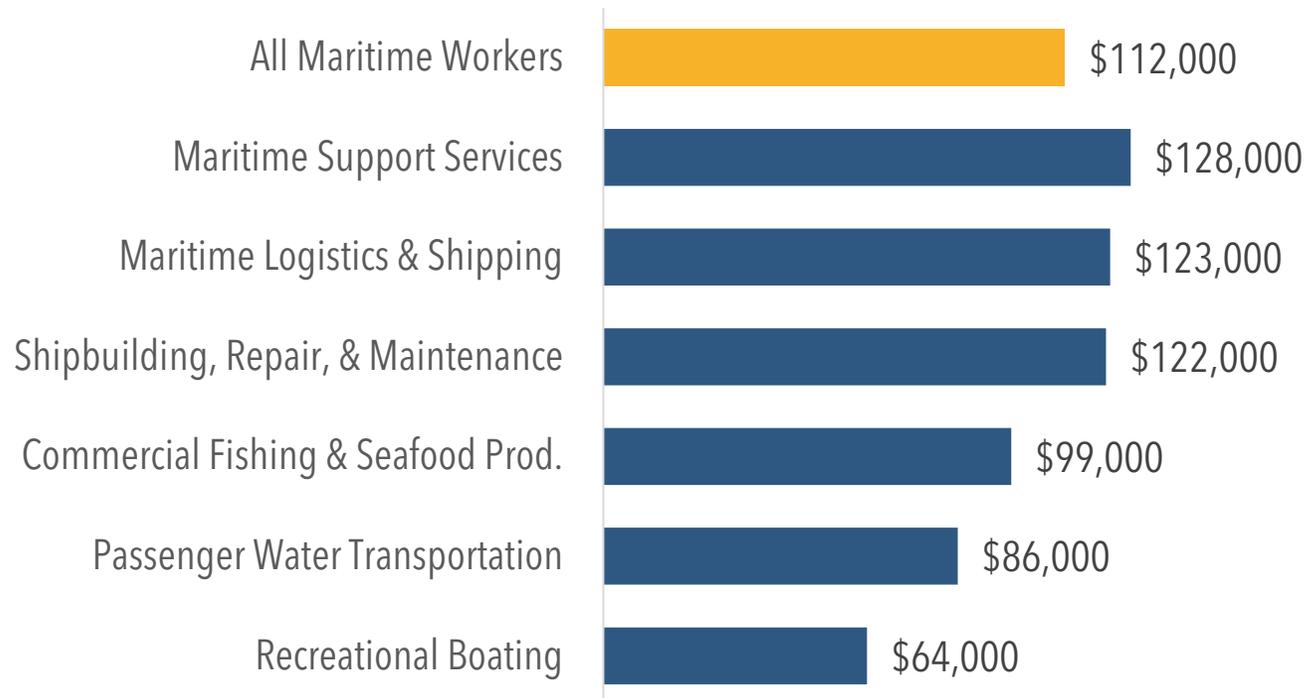
Maritime Employment by County



Sources: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages, 2023; Washington State Employment Security Department, 2023; State of Alaska Department of Fish and Game, 2023.

Washington Maritime Worker Earnings

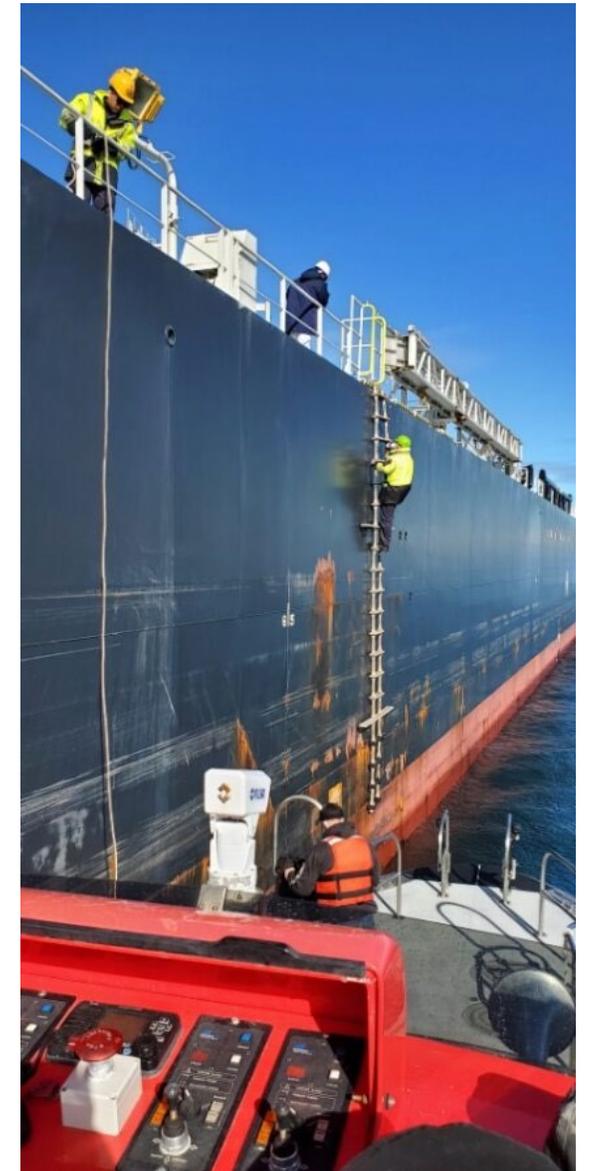
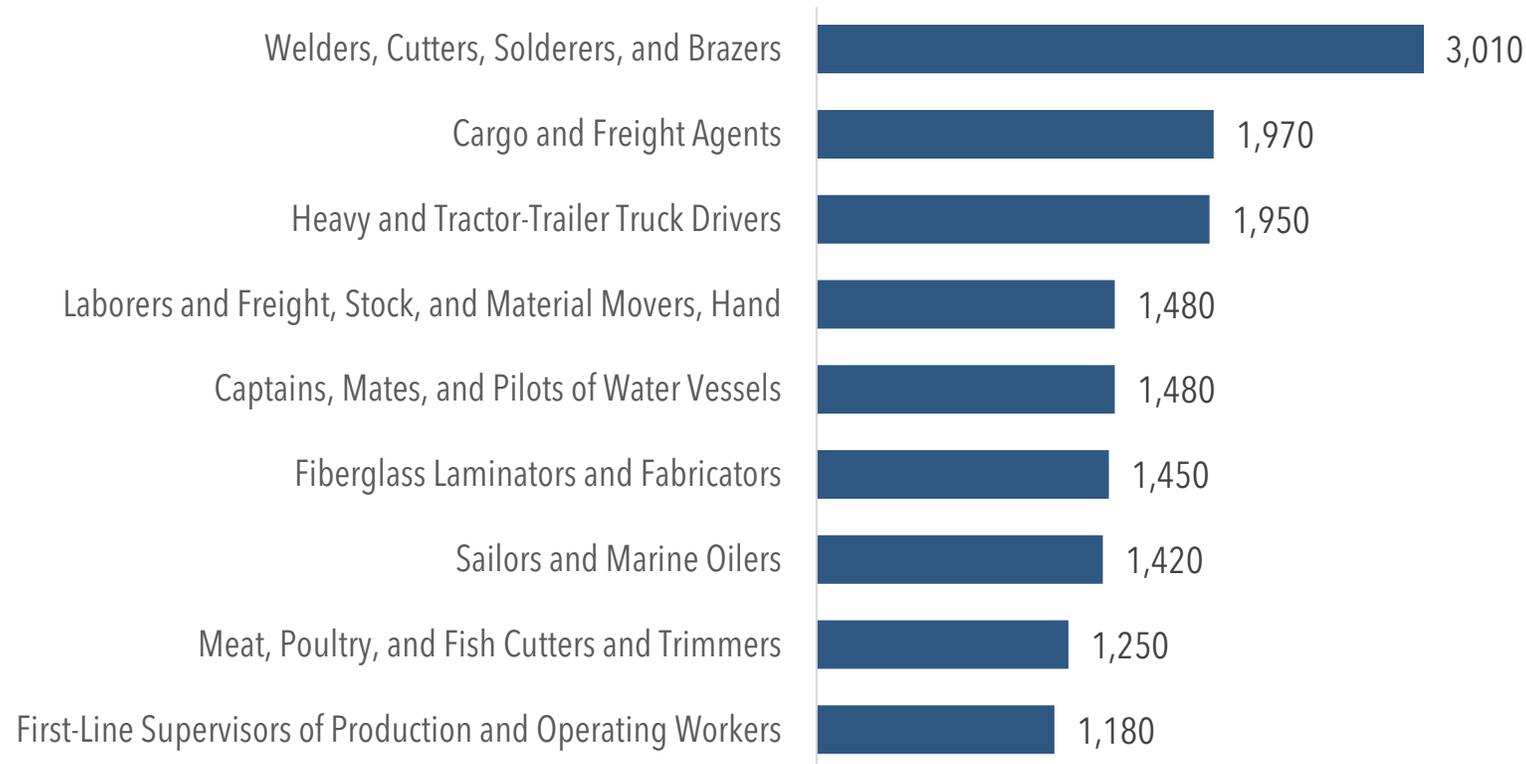
Average Earnings, 2022
(including benefits)



Source: Port of Seattle.

Washington Maritime Industry Occupations

Most Common Maritime Industry Occupations, 2022 (1,000+ workers)



Source: Puget Sound Pilots.



Telling the Maritime Story

- **The Columbia-Snake River System**
- **The Alaska Seafood Connection**
- **Agricultural Ties**
- **Maritime Innovation**
- **Workforce Development**
- **Environmental Stewardship**

Maritime Innovation

- Washington Maritime Blue:
 - 50+ companies and organizations
 - \$400 million+ raised
 - 400+ jobs created
 - Business incubators/accelerators
- Example startups: recycling used fishing gear, kelp snacks, low-emission vessel construction, logistics platform for tug and barge, ballast water treatment systems
- WAV-C (WA Autonomous Vehicle Cluster)
- Pacific NW Tech Bridge



Source: Net Your Problem.

Environmental Stewardship

- New ship designs improve fuel efficiency
- Better voyage planning
- Cleaner engines; alternative fuels
- Ballast water treatment improvements
- Safer routing distances
- Reduced noise impacts
- Fishing: vessel and gear innovations, recycling used fishing gear
- Cruise: “Maritime Green Corridor”; shore power at Port of Seattle
- Green Marine: 10x increase in membership



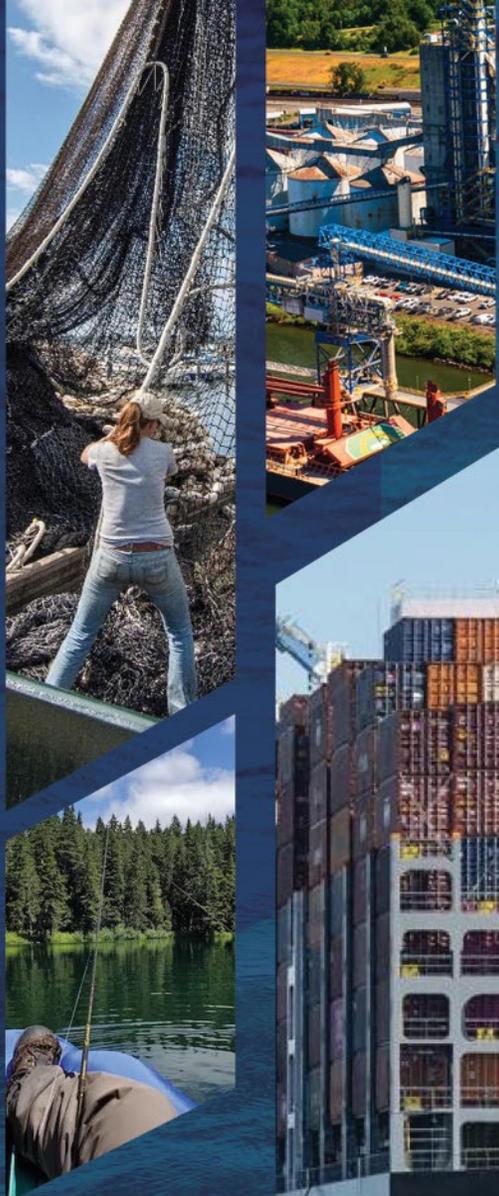
Source: Green Marine.

Workforce Development

- Challenges: aging workforce, tight labor market, limited awareness
- Maritime High School
- Northwest Maritime Apprenticeship Program (Whatcom, Skagit, Island Counties)
- Port of Seattle Youth Career Launch
- Youth Marine Foundation (Tacoma)
- Center of Excellence for Marine Manufacturing & Technology:
 - 100+ stakeholders
 - Identification of highest needs and programs to scale up



Source: Northwest Maritime Center.



Resources

Report and handout:

www.maritimefederation.com

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Thank you!

