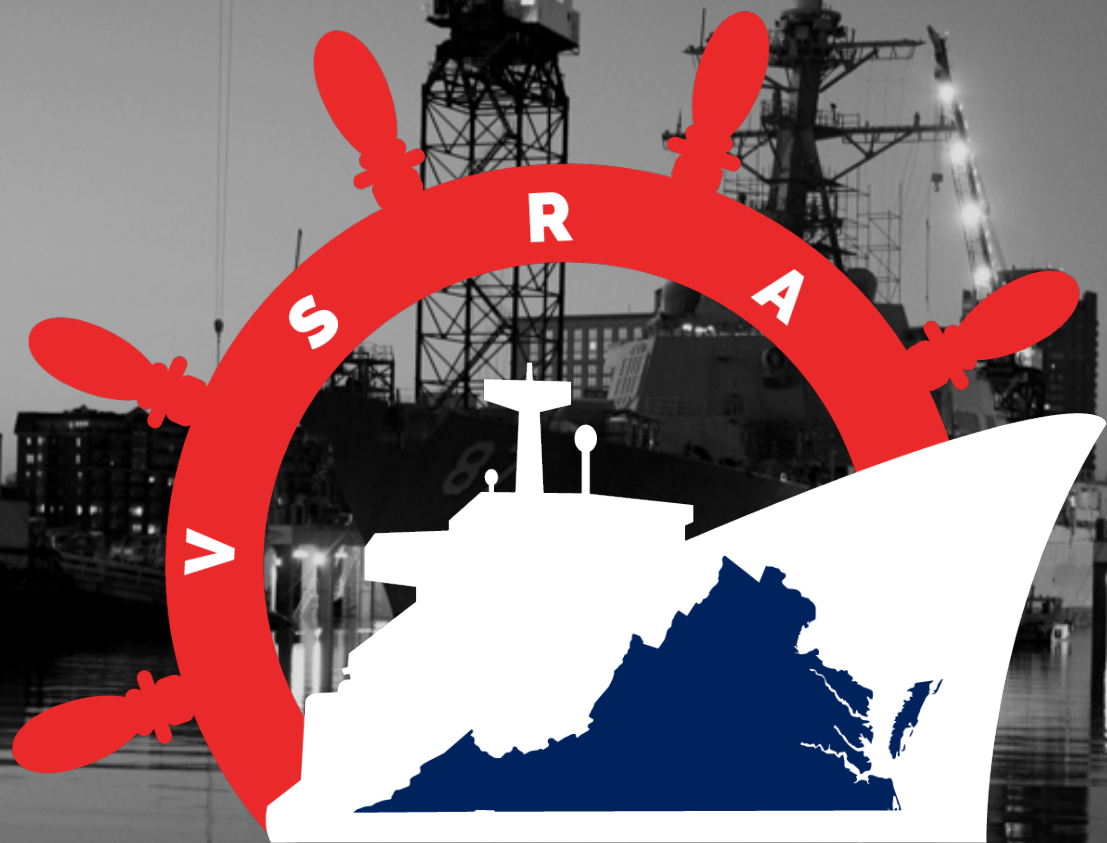


April 17, 2023

Information for:

Current US Shipbuilding &
Repair Industry and its
Workforce PANEL

Joe Frommelt,
*VSRA Development and
Programs Manager*



VIRGINIA SHIP REPAIR
A S S O C I A T I O N

Impact of Virginia's Ship Repair Industry

by the numbers:

\$8.1 B *into Virginia's economy*

60,000 *high-paying jobs*

\$3.1 B *in payroll earnings & benefits*

\$90,527 *average income*

MARAD, 2021



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Capacity & Workload Impacts

- ✓ Norfolk Dwindling Conventional ship count
 - ✓ Homeport shifts & accelerated DECOMs of CG / LSD
 - ✓ Numbers decreasing – [2021/39] [2023/29] [2026/28]
- ✓ Hampton Roads Loss of Conventional Non-nuclear Surface Ships
 - ✓ Resultant – Underutilized Naval facilities and loss of much needed private ship repair industry capacity.
 - ✓ Hampton Roads Strategic asset capacity must be maintained with upward to ensure Navy readiness!
- ✓ “Roller-coaster” Norfolk workload - Erodes stability, investment and level-upward loading to maintain a robust workforce
 - ✓ Workforce stability translates directly to Navy maintenance cost-savings
 - ✓ Lack of predictability of long-term upward workload – Stagnates investment
 - ✓ Navy cannot afford workforce & readiness deficits created by “roller-coaster” workload.

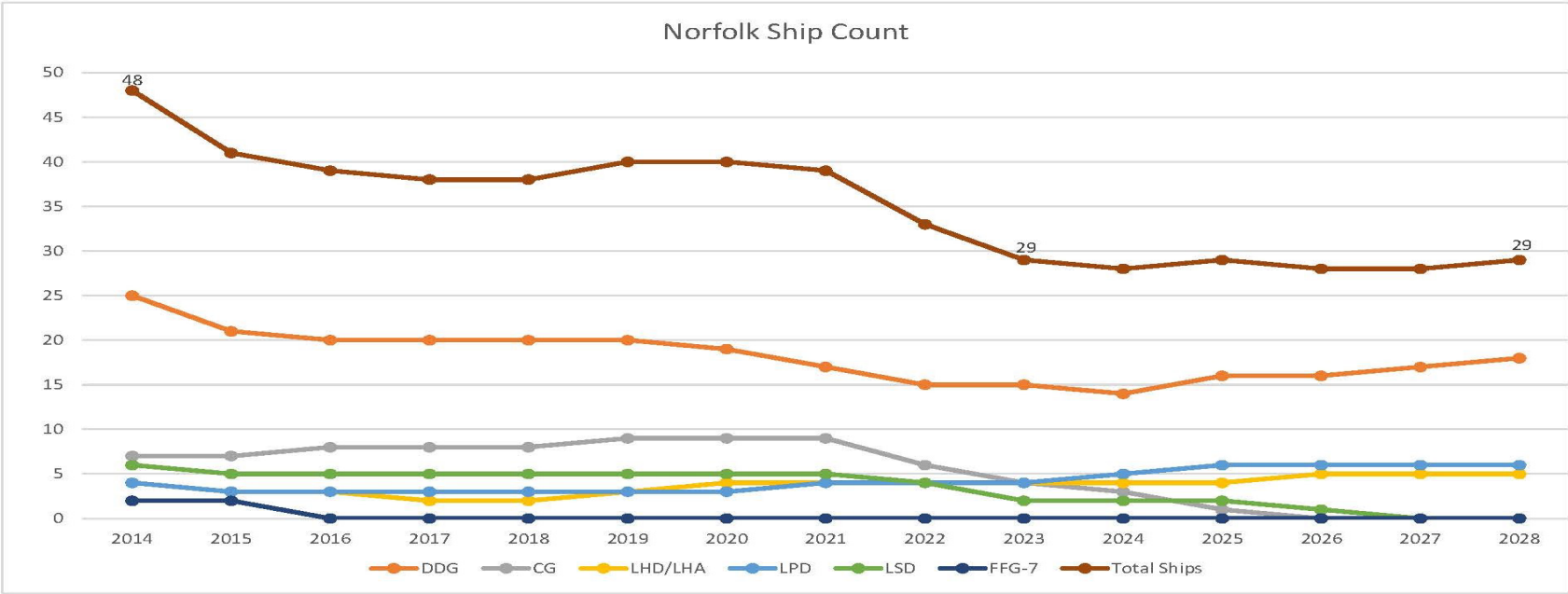
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Norfolk Ship Count

Norfolk	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
DDG	25	21	20	20	20	20	19	17	15	15	14	16	16	17	18
CG	7	7	8	8	8	9	9	9	6	4	3	1	0	0	0
LHD/LHA	4	3	3	2	2	3	4	4	4	4	4	4	5	5	5
LPD	4	3	3	3	3	3	3	4	4	4	5	6	6	6	6
LSD	6	5	5	5	5	5	5	5	4	2	2	2	1	0	0
FFG-7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ships	48	41	39	38	38	40	40	39	33	29	28	29	28	28	29



WFD Challenges

Currently ~42,000 skilled trades with a demand of **over 18,000 over the next five years.**

- ✓ Lack of established career pipelines and industry accepted certifications / credentials.
- ✓ Lack of access for under-resourced and underrepresented populations.
- ✓ Lack of qualified skilled trade instructors.
- ✓ Imminent retirement of thousands of skilled trades people.
- ✓ Stigma of skilled trade careers vs four-year college.
- ✓ Link to employment upon training completion.
- ✓ Competition in the ship repair / building industries and other industries for skilled trades.
- ✓ Work force development challenges can not be solved by simulation or academics. Hands on observation and demonstration of skills must always occur.



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VSRA WFD Partnerships & Training Initiatives

- ✓ FY19 - 25 State Funding - \$1.5M funding for VSRA Marine Trade Training (MTT) development and expansion
- ✓ 2022 - 2023 Hampton Roads Strong – \$3.5M for training 200 in VSRA MTT. Also supports ship repair MTT career pathway expansion.
- ✓ DOL Good Jobs Challenge Grant – 2022-2024 \$11M to support MTT career path development & filling jobs in Hampton Roads maritime industry.
- ✓ Named partnership with Academies of Hampton
- ✓ CTE/TCE Advisory Committee Partnerships
- ✓ Norfolk Technical Center, Norfolk Public Schools
- ✓ Choice Neighborhood Initiative with City of Newport News
- ✓ GoVA Grant - Virginia Virtual Marine Trades Training



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Marine Trade Training Program Success

HRWC / VCCS / VSRA Partnership

- ✓ 7 Courses Offered
Welding Levels 1-3, Pipefitting, Sheet Metal, Electrical, Outside Machinist, Coatings, Ship Fitter
- ✓ VSRA credentialed certifications
- ✓ Supported services provided by grants through HRWC
- ✓ Candidates given priority with member companies

2,637 students completed courses

2,371 hired & 90% retention rate

Achieved by all partners pulling in the same direction!



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Key Take-Away

Virginia's Ship Repairers...

*Are a **vital** National Security asset.*

*Capacity **must** continue to be expanded.*

*Need a **stable & increasing** workload.*

...Make Ship
Happen!

The Strength Behind the Fleet



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