



PROTECT THE PRESIDENT'S BUDGET REQUEST FOR SUBMARINES

COLUMBIA Class Ballistic Missile Submarine & VIRGINIA Class Attack Submarine

FUNDING LINE	FY23 AMOUNT	ANTICIPATED PB24 AMOUNT	FY24 REQUEST
Columbia Class SSBN			
Navy SCN, Line 1, Columbia Class Submarine	\$3079.2M	\$2440.264M	\$2440.264M
Navy SCN, Line 2, Columbia Class Submarine AP	\$2778.5M	\$3374.988M	\$3374.988M* (\$400M for Industrial Base)
Navy RDTE, Line 53, PE 0603595N, SSBN New Design, BA4	\$344.9M	\$253.754M	\$253.754M
Navy RDTE, Line 48, PE 0603570N, Advanced Nuclear Power Systems, BA4, project #3219	\$56.7M	\$54.230M	\$54.230M
DOE, Columbia Class reactor systems development	\$53.9M	\$52.9M	\$52.9M
Virginia Class and Follow on SSN			
Navy SCN, Line 5, Virginia Class Submarine	\$4534.1M	\$5391.359M	\$5391.359M
Navy SCN, Line 6, Virginia Class Submarine AP	\$2025.6M	\$2943.495M	\$2943.495M
Navy SCN, Cost to Complete, Virginia	\$305M	\$TBD	\$TBD
Navy RDTE, Line 136, PE 0604558N, New Design SSN, BA5	\$316.0M	\$272.911M	\$272.911M
Navy RDTE, Line 154, PE 0604850N, SSN(X), BA5	\$133.9M	\$344.916M	\$344.916M
Submarine Industrial Base Workforce			
Defense Wide RDTE, line 200, PE: 0607210D8Z, Industrial Base Analysis and Sustainment Support, BA7	\$588M (\$207 for Sub Workforce)	\$636.406M	\$636.406M (\$244M for Sub Workforce)

Columbia Class Submarine Program

Maintain Funding and Authorization for the Most Survivable Leg of the Nuclear Triad

The Columbia Class ballistic missile submarine (SSBN) program is the Defense Department's #1 priority. It will deliver a minimum of 12 submarines to replace the current Ohio Class fleet and provide strategic deterrence into the 2080s. Construction of the first submarine officially began in October 2020 with the most mature design in our Navy's submarine shipbuilding history. At the start of construction, design maturity was greater than 90% complete. The Columbia program has an aggressive construction and delivery

schedule; thus it is critical to maintain full funding for the program to reduce the risk of construction delays and prevent a gap in U.S. deterrent capabilities when the Ohio Class SSBNs begin to retire. The first Columbia Class SSBN must be delivered to the Navy in 2027 to make its first strategic deterrent patrol in 2030.

In 2024, requested funding will be used for the construction of the SSBN827 (second ship in class), material procurement for all 12 ships in the class, and continuing design maturity on the program. Columbia Class funding in 2024 will also support enterprise efforts to revitalize the nation's submarine workforce and industrial base.



PROTECT THE PRESIDENT'S BUDGET REQUEST FOR SUBMARINES

COLUMBIA Class Ballistic Missile Submarine & VIRGINIA Class Attack Submarine

Virginia Class Attack Submarine Program

Maintain the Two Virginia Class Submarine Annual Build Rate and Continue Funding the Subsea Seabed Warfare Program

The Virginia class attack submarine remains the most agile, versatile, and adaptable platform within the United States' undersea warfare inventory, able to evolve throughout the program to meet current and future threats. The U.S. currently has 49 fast attack submarines, including 21 Virginia Class submarines. However, the April 2022 Long Range Navy Shipbuilding Plan calls for a Future Fleet Architecture range of 58-70 fast attack submarines by 2052, which would include a composition of traditional Virginia platforms, in addition to Virginia Payload Module (VPM) and Subsea and Seabed Warfare (SSW) capable hulls. While numerous challenges have impacted the Virginia Program in recent years, the criticality of consistent, stable 2 per-year production cannot be overstated.

In 2024, requested funding will be used for construction of two Virginia Class Block V ships, long lead time material procurement for Block V and Block VI ships, as well as critical design efforts for new capabilities such as the Subsea and Seabed Warfare platform.

Submarine Workforce and Industrial Base

Maintain Funding for Revitalizing the Nation's Submarine Workforce and Manufacturing Capacity

SUPPLIER DEVELOPMENT

More than two decades of low-rate submarine production has resulted in a fragile industrial base with many single or sole source suppliers. Congressional support of workforce and supplier development funding cannot be overstated, as this provides critical support to continue to build up the submarine enterprise. To support these efforts, Congress has authorized and appropriated \$615M of funding in FY19 through FY22 which provided flexible authorities to support industrial base expansion and

stability initiatives. The success of this funding has been realized through risk reduction by expanding the number of suppliers and capabilities of the submarine industrial base. The funding authorized and appropriated by Congress for the industrial base has supported over 180 suppliers in 30 states (including FY18 advance procurement funding to stabilize existing suppliers).

The submarine industrial base is comprised of 2,812 first-tier suppliers across nearly all 50 states and must expand to meet the demands of the submarine enterprise. This expansion supports tens of thousands of high-skill, high-wage manufacturing jobs across the country and enables sustained excellence in domestic capability.

WORKFORCE DEVELOPMENT

As recently stated by Vice Admiral Galinis, hiring and retaining skilled shipyard workers remains the "No. 1 strategic challenge across the enterprise," and is an area in which continued congressional funding is critical. In recent years, workforce development funding has specifically been used for the development and refinement of trade training pipeline programs, enabling the acceleration of requisite hiring and proficiency development efforts.

To enable the construction of one COLUMBIA and two VIRGINIA class submarines per year, it is estimated the submarine industrial base will need to hire 100,000 employees over the next decade to meet this demand. Thus, workforce development funding could not be more critical for the continued health and stability of submarine manufacturing.

Funding for the submarine workforce and industrial base development is provided via the "Columbia Class SCN" and the "Submarine Industrial Base Workforce RDT&E" lines. In 2024, requested funding will be used to increase the capacity and capability of suppliers, as well as to attract, train and retain personnel supporting submarine manufacturing across the nation.