

# THE VIRGINIA-CLASS

AMERICA'S NEW FAST ATTACK SUBMARINES

Using expertise from more than half a century of building submarines, **NEWPORT NEWS SHIPBUILDING** and **GENERAL DYNAMICS ELECTRIC BOAT** are constructing the newest fast attack submarines – the *Virginia*-class, the most advanced submarine in the world, ready for 21<sup>st</sup> century missions.

## TOMAHAWK MISSILES,

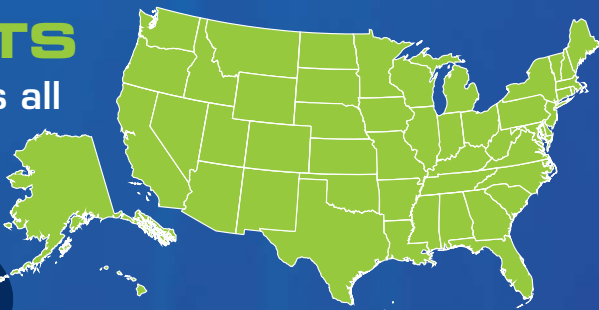
Vertical Launch tubes or large diameter payload tubes, starting on *North Dakota* (SSN 784), MK-48 torpedoes and unmanned undersea vehicles are among many of the **ADVANCED WEAPONS** of the *Virginia*-class.

## STATISTICS

REPLACES:  
LOS ANGELES-CLASS  
DISPLACEMENT:  
APPROX. 7,800 TONS  
LENGTH: 377 FEET  
BEAM: 34 FEET

The submarines have a pair of extendable **"PHOTONICS MASTS"** outside the pressure hull. Each contains high-resolution **CAMERAS** with light-intensification and infrared sensors, an infrared laser rangefinder, and more.

MILLIONS OF PARTS  
come from 5,000 Suppliers across all  
**50 STATES.**



## SILENT POWER

One **NUCLEAR REACTOR** designed to last the life of the ship quietly powers the submarine for speeds of 25+ knots (28+ mph).

**10,000**

**THOUSANDS** of shipbuilders at **NEWPORT NEWS SHIPBUILDING** and **ELECTRIC BOAT** build each frame and compartment with attention to every detail.

A versatile torpedo room can accommodate a large crew of **SPECIAL OPERATIONS FORCES**

for prolonged deployments. The class includes large lock-in/lock out chambers for divers.

## MULTI-MISSION READY

- Launches **TOMAHAWK** missiles at targets ashore
- Conducts **surveillance** on both land and sea
- Detects and destroys threats to a carrier or expeditionary strike group
- Deploys Special Forces

*Virginia*-class submarines and their crews can stay submerged for up to **THREE MONTHS** and dive in excess of **800 FEET**

## TEAMING ARRANGEMENT

**NEWPORT NEWS SHIPBUILDING** is teamed with **GENERAL DYNAMIC ELECTRIC BOAT** to build *Virginia*-class submarines. Newport News Shipbuilding builds the stern, habitability & machinery spaces, torpedo room, sail and bow. Electric Boat builds the pressure hull, engine room and control room. Newport News Shipbuilding and Electric Boat each perform work on the reactor plant as well as alternate on the final assembly, test, outfit and delivery.



## SHIPS OF THE CLASS

USS Virginia (SSN 774) \*  
USS Texas (SSN 775) \*  
USS Hawaii (SSN 776) \*  
USS North Carolina (SSN 777) \*  
USS New Hampshire (SSN 778) \*  
USS New Mexico (SSN 779) \*  
USS Missouri (SSN 780) \*  
USS California (SSN 781) \*  
USS Mississippi (SSN 782) \*  
USS Minnesota (SSN 783) \*

USS North Dakota (SSN 784) \*  
USS John Warner (SSN 785) \*  
Illinois (SSN 786)  
Washington (SSN 787)  
Colorado (SSN 788)  
Indiana (SSN 789)  
South Dakota (SSN 790)  
Delaware (SSN 791)  
Vermont (SSN 792)  
Oregon (SSN 793)

Montana (SSN 794)  
Hyman G. Rickover (SSN 795)  
New Jersey (SSN 796)  
Iowa (SSN 797)  
Massachusetts (SSN 798)  
Idaho (SSN 799)  
Arkansas (SSN 800)  
Utah (SSN 801)

\* Construction completed and delivered to the Navy



Newport News Shipbuilding  
A Division of Huntington Ingalls Industries