

SENEDIA Tech Talk - Insights on Electric Boat Workforce and Growth Outlook – 7 April 2020

Presentation By:

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Top 5 – Messages from EB

1. The Navy's increasing demand for submarine shipbuilding and fleet maintenance and modernization are driving expansion at Electric Boat (EB) including regional facilities footprint, and high-tech workforce for trades and industrial skills.
2. EB employs 17,500 people (highest in 25 years): 12,200 in CT; 4,350 at Quonset Point; and 950 at shipyards and Navy facilities around the United States.
3. In 2020 Electric Boat hired; 567 people for Quonset Point Operations; and 154 people for Groton Operations, Engineering, and support. In 2021 EB expects to hire 1,300 people for Quonset Point Operations, and 300 people for Groton Operations, Engineering, and Support.
4. EB has over 2000 suppliers and spent over \$18.4 billion in materials, over the last 5 years. CT, RI and NH companies have received over \$100 million per state.
5. EB peak hiring is expected in 2029; today's third graders are future EB employees; EB is invoking multifaceted regional partnerships involving schools, higher educational institutions, and SENEDIA, to ensure a constant flow of skilled employees who are trained in submarine shipbuilding skills, trades, and professions.

Summary:

- Overview of Electric Boat's Business
 - The days of submarine shipbuilder with 30-40 years of shipyard experience are gone.
 - Current workforce is younger, diverse, and more trained; EB is building new teams.
- EB has four principal lines of business:
 - Virginia Class Shipbuilding
 - Columbia Class Shipbuilding – Trident Replacement,
 - Maintenance and Modernization for US Navy Submarine Fleet
 - Post Shakedown Abilities
 - Maintenance Overhauls of Los Angeles Class
 - Tech refresh of ships systems
 - Submarine Engineering Design
- Submarine Products - (Ships are getting bigger – Columbia is the size of the Washington Monument)
 - Virginia Class – 18 Ships Have Been delivered
 - Ten more VA Class to be delivered between now and 2024.

- Total VA Class is going to be 58 ships.
 - Block 5 VA subs add large hull sections.
 - EB is expanding Quonset facilities and transportation services to handle much larger submarine hull construction/sections (for VA and Columbia classes).
 - EB is investing over \$700 million in Quonset facilities for Virginia and Columbia Class Subs
 - This investment is largest RI construction program in the past 6 years.
 - Columbia Class SSBN - EB is the prime contractor for a 12 Ship Program.
 - Navy awarded EB a \$10 billion contract in November 2020 for 2 Columbia submarines.
 - EB investing over \$500 million in Groton Facilities expansion.
- Workforce Development
 - Partnerships are key to successful hiring and training.
 - 333 Employees trained in 2020 - >1000 to be trained in 2021.
 - RI Partnerships include NE Tech, CCRI, RIOPC WEC, Thielsch Engineering
 - CT Partnerships include – Three Rivers Community College, SENEDIA, Connecticut Technical High Schools, Labor Dept, Ella Grasso HS.
 - SENEDIA brings together regional organizations, institutions, and the submarine shipbuilding supply chain to develop and hire a regional trained workforce to support submarine shipbuilding.
 - Submarine Shipbuilding is a career.
 - EB Apprenticeship programs currently enroll 300 and is growing to 500 people.
 - EB conducts Deckplate Leader Development – Intensive programs taking front line leaders and developing a team/crew to build skills.
 - EB has hired 17k people over past 7 years.
 - Will hire 17k people over next 7 years.
 - Attracting diverse workforce; for example, Boat for Women introduces opportunities in trades that have typically been male.