Company Highlights



BWXT is one of the world's most prolific nuclear technology innovation companies and the sole manufacturer of naval nuclear reactors for U.S. submarines and aircraft carriers.







6,600 highly skilled employees



300+ commercial nuclear steam generators manufactured



\$1.9 billion USD in 2019 revenues



1.5 million⁺ Canada Deuterium Uranium (CANDU) fuel bundles provided



NYSE: BWXT



12 major manufacturing facilities totaling 3.9 million square feet



15 U.S. Department of Energy laboratories, environmental cleanup projects and NASA sites



60+ years manufacturing naval nuclear components and reactors

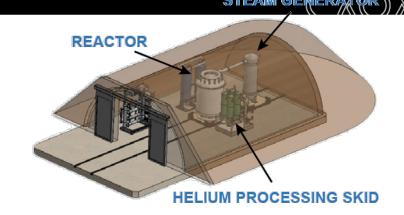


8,000+ fuel elements delivered to U.S. national laboratories, universities and international customers



BWXT Advanced Nuclear Reactor (BANR)

DOE's Advanced Reactor Demonstration Program (ARDP) provides cost share for risk reduction of lower TRL/MRL technologies to improve BANR commercialization and cut baseline cost in half.



Baseline advantages compared to current nuclear systems:

- Configurations for electricity, process heat, or both
- TRISO as accident tolerant and proliferation resistant fuel form
- Fuel form and passive cooling approach eliminates need for external power to perform safety functions and increases coping time during accident scenarios
- Modular, mobile, and factory constructed skids reduces construction time and costs
- Smaller emergency planning zone anticipated

ARDP Risk Reduction enhancements that improve commercialization:

- UN TRISO enabling higher power and/or longer core life
- Higher core outlet temperature may enable direct Brayton Cycle or Combined Cycle to increase efficiency (from 33% to 50%+)
- Incorporation of advance manufacturing technologies that will make cores faster and less expensive to build
- Incorporate in-core sensors to enable semiautonomous operation and minimize staffing

