

U.S. Advanced Reactor Development: The Time for Demonstration is Now

Marcia Burkey, Executive Vice President and Chief Financial Officer TerraPower, LLC

Getting to Zero

Nuclear fission: "It's the only carbon-free energy source that can reliably deliver power day and night, through every season, almost anywhere on earth, that has been proven to work on a large scale."

Bill Gates in "How to Avoid a Climate Disaster: The Solutions We Have and the Breakthroughs We Need"



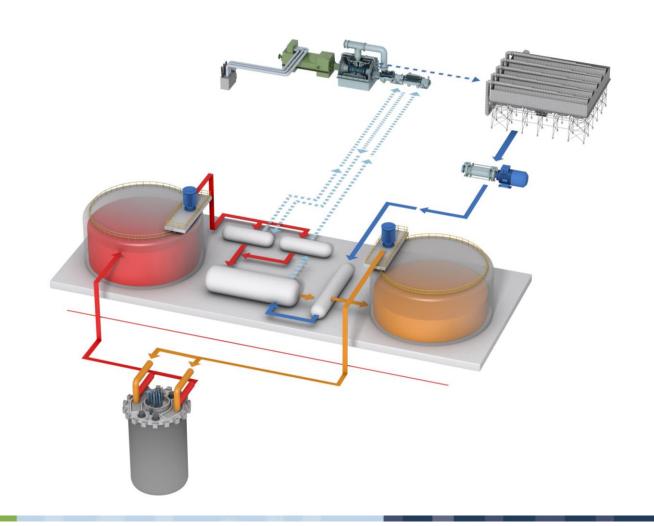
U.S. Commitment to Advanced Reactor Demonstration



- Renewing U.S. leadership in nuclear energy and climate
- Unlocking U.S. national labs' and nuclear technology companies' innovations
- Building on U.S. history of demonstration success

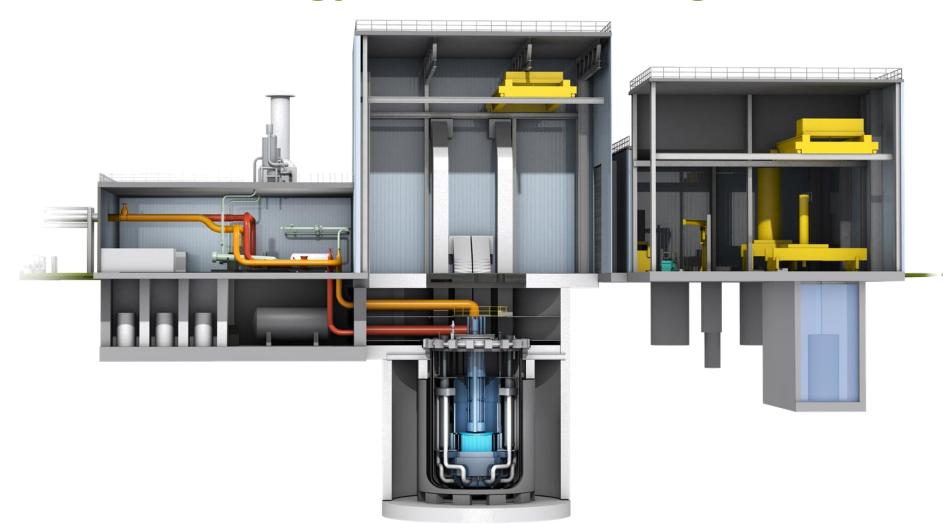
Natrium™ Technology: Flexible, Clean Energy

- Developed through close collaboration between TerraPower and GE Hitachi
- Builds on technology development at TerraPower and GE Hitachi and concentrated solar power technologies with a focus on cost competitiveness
- Integrates on and fortifies grids with high renewables penetrations
- 345 MWe reactor that can flex to 500 MWe for 5.5 hours when needed

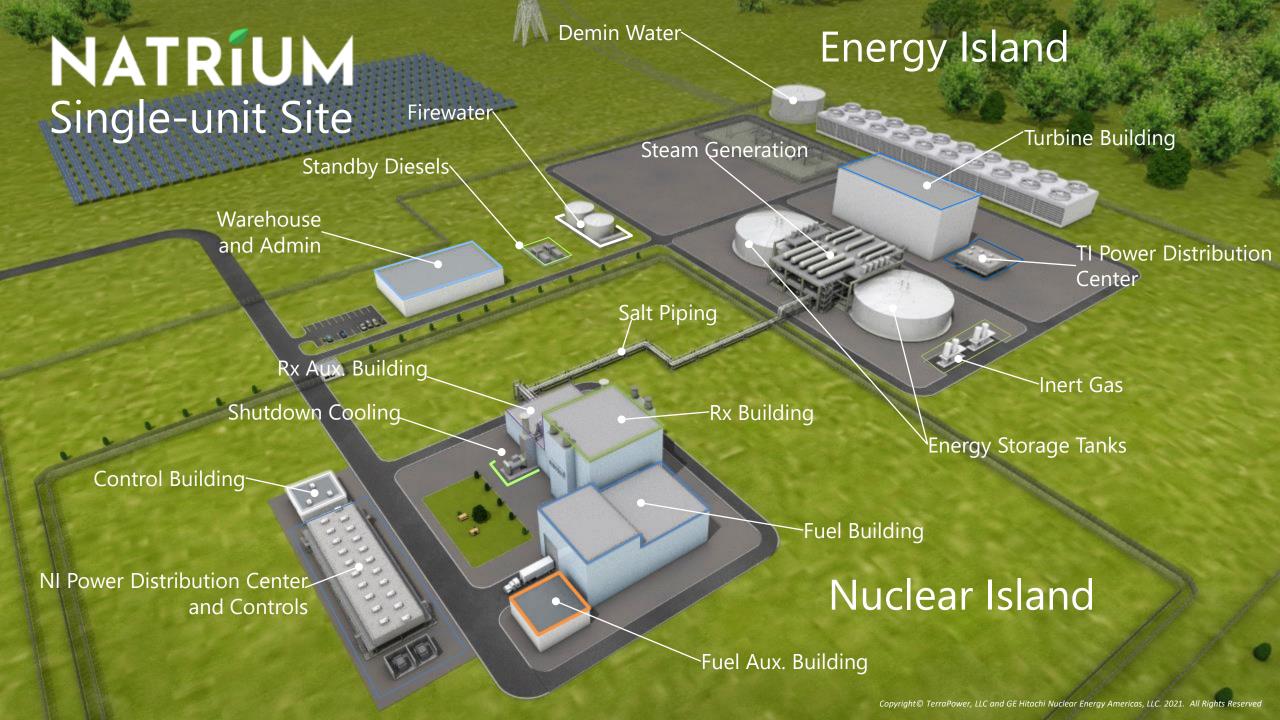




Natrium™ Technology: Reactor Building







An Expert Team with Unparalleled Expertise

TerraPower, LLC	Overall plant design, testing, licensing, design integration, procurement and project leadership and administration
GE Hitachi Nuclear Energy Americas, LLC	Plant design, testing, licensing and procurement
Bechtel Power Corporation	Plant design, licensing, procurement and construction
Energy Northwest	Operations programs, commissioning and start-up
Duke Energy Carolinas, LLC	Licensing, operations and engineering support
PacifiCorp, a subsidiary of Berkshire Hathaway Energy	Eventual plant owner and energy sales and integrated resource planning support



An Expert Team with Unparalleled Expertise continued

Global Nuclear Fuels Americas, LLC	Fuel fabrication
American Centrifuge Operating, LLC (Centrus Energy Corporation)	HALEU supply
Orano Federal Services, LLC	System design and decommissioning support
Battelle Energy Alliance, LLC (Idaho National Laboratory)	Fuel qualification testing
Argonne National Laboratory	Methods development and digital twin support
Los Alamos National Laboratory	Fuel characterization
Oak Ridge National Laboratory	Neutron irradiation testing
Pacific Northwest National Laboratory	Mechanical testing of materials
Oregon State University	Thermal hydraulic V&V testing support
University of Wisconsin	Heat exchanger testing support
North Carolina State University	Support on digital engineering for building/facility construction management





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