



BWRX-300 Small Modular Reactor

Innovation drives simplification

The global need for low cost, on demand, carbon-free power is greater than ever. It's a challenge many are working to solve, and the stakes are too high to bet on risky or unproven ideas. The patented breakthrough innovation of the BWRX-300 small modular reactor (SMR) reduces complexity and cost. As the tenth evolution of the boiling water reactor (BWR), the BWRX-300 represents the simplest, yet most innovative BWR design since GE began developing nuclear reactors in 1950's.



Increase speed-to-market with reduced project risk ... simplified approach

- Based on licensed reactor technology representing our tenth generation BWR, incorporating decades of learnings and enhancements
 - Licensed fuel operating in reactors today – avoids up to a 10+ year design and licensing process
 - Proven reactor components and established supply chains increase project certainty
- Forecasted to be deployable by 2028



Lower cost through innovation ... simplified design

- Patented breakthrough innovation dramatically simplifies the design
 - Estimated 50% less construction material per MW as compared to large reactors
 - Passive cooling and natural circulation – increased safety of design
 - Elimination of unnecessary systems – fewer components needed
 - Game-changing cost reduction – competitive with other generation sources



Deliver on time and on budget ... simplified execution

- Innovative construction techniques, modularization - reduces on-site work
- Vertical shaft construction - eliminates as much as one million cubic yards of excavation and costly engineered backfill
- Decades of experience delivering new nuclear projects



Our groundbreaking BWRX-300 SMR is built on 60 years of design and operating experience. It revolutionizes what's possible when it comes to generating reliable carbon-free power. The BWRX-300 is simple, based on proven technology, and ready to be deployed faster than any other advanced reactor solution...and we have the know-how and experience to make it happen.

Learn more at nuclear.gepower.com