

## **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 expected to significantly improve licensing certainty in new countries
  - Proven reactor components and established supply chains increase project certainty



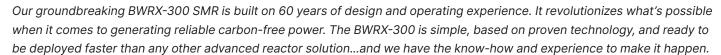
#### Lower cost through innovation ... simplified design

- 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



#### Learn more at gevernova.com/nuclear



