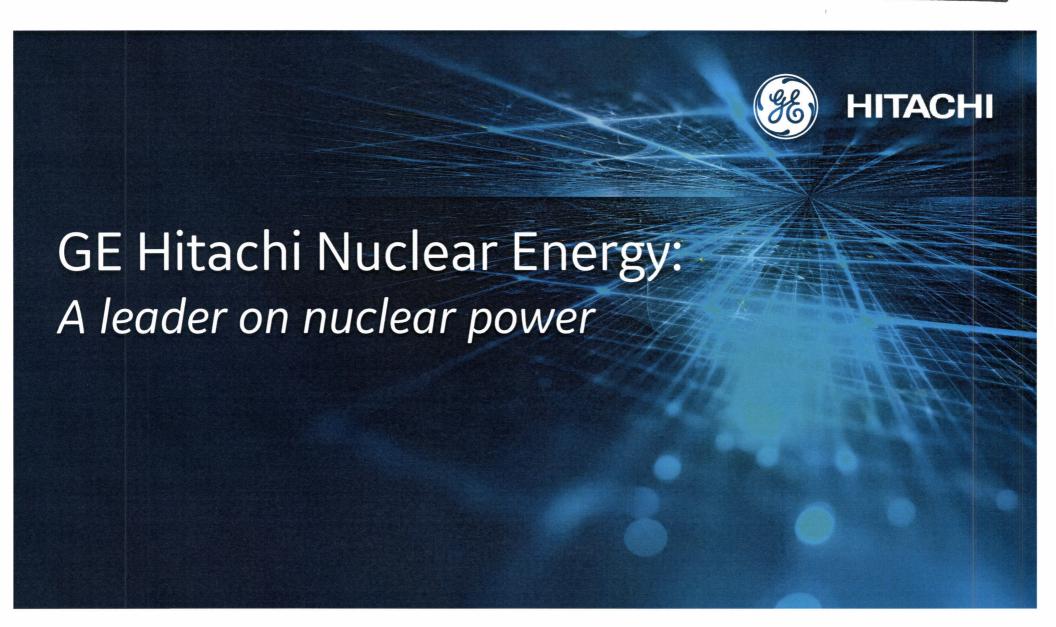
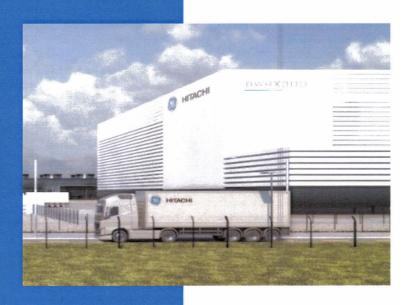
DATE 03/17/12021 SB 3



Agenda



- GE Overview
- Technology Overview
 - BWRX-300
 - Natrium
- Questions and Answers





Advanced Nuclear

Small Modular Reactor (BWRX-300) Sodium Fast Reactor (Versatile Test Reactor & Natrium)

Fuels

Advanced BWR fuel Accident Tolerant Fuel Engineering Services Uranium Management

Field Services

Outage Services
Inspections
Plant & Reactor
Modifications
Fuel Inspections
Decommissioning Services

Plant Solutions

Digital/Software Solutions
Instrumentation & Controls
Asset Enhancement Services
Mechanical Parts
Electrical/Electronic Parts
Refurbishment Services

>60 years delivering customer solutions that have modernized the world

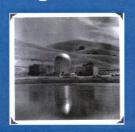
Rich history of nuclear innovation ready to support advanced reactor market



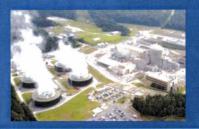
Proven success turning vision into commercial-scale reality, on time and on budget













OVER 80 YEARS OF NUCLEAR EXPERIENCE AND INNOVATION



First GE involvement in nuclear physics



GE Atomic Division established



Vallecitos BWR AEC License #1



NPD (Canada) achieves full power



25th BWR Peach Bottom 3

1986

50th BWR River Bend

1996

1st ABWR built on time on budget

2014

ESBWR NRC License



BWRX-300 launched

67 reactors licensed in 10 countries

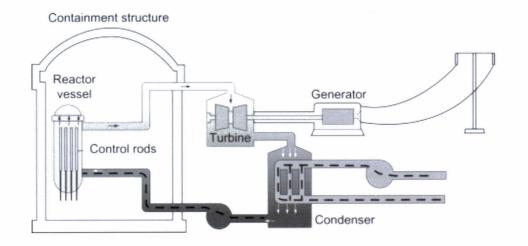


BWRX-300
Technology
Overview



Boiling Water Reactors (BWR) ... the simplest way to make steam





INHERENTLY SIMPLE REACTOR DESIGNS

- Direct cycle design with no secondary steam generator and pressurizer
- Traditional balance of plant for electricity generation
- Low enriched (3-5% U-235) oxide fuel in metal cladding
- Water coolant that also serves as "moderator" to slow down fast neutrons
- Coolant circulated through core with natural circulation (forced circulation in legacy designs)

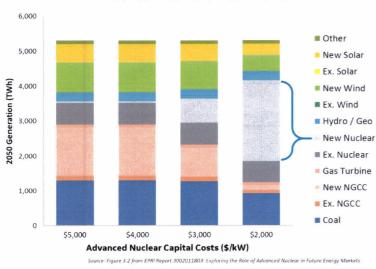
BWRX-300 Small Modular Reactor

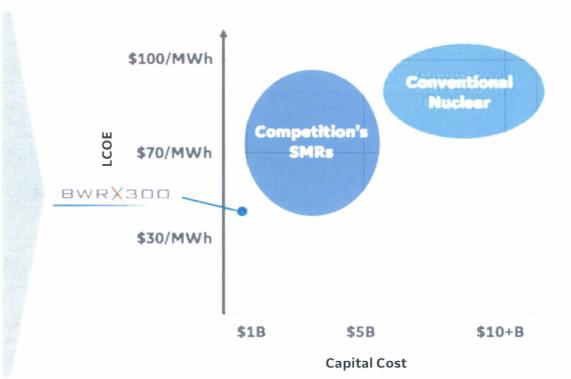
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Our competitive position in new nuclear









Competitively positioned both on cost and time to market

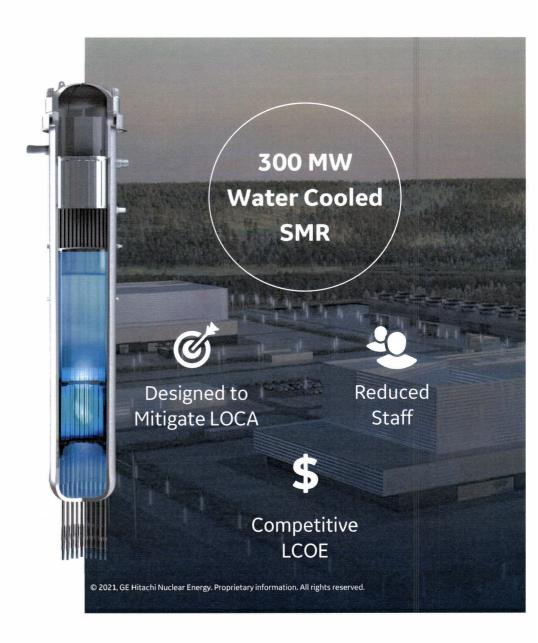
BWRX-300 Small Modular Reactor

7

BWRX-300 small modular reactor

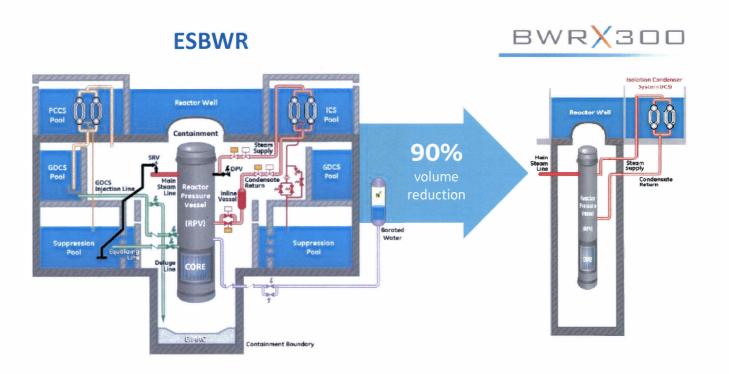
- 10th generation Boiling Water Reactor
- Scaled from U.S. NRC licensed ESBWR
- Design-to-cost approach
- Significant capital cost reduction per MW
- World class safety
- · Capable of load following
- Ideal for electricity generation and industrial applications, including hydrogen production
- · Constructability integrated into design
- Initiated licensing in the U.S. and Canada
- Operational by 2028





Simplicity drives cost reduction





Systems/components eliminated:

- Suppression Pool
- GDCS Pool
- Safety Relieve Valves & Spargers
- Depressurization Valves
- BiMac (core catcher)

Systems/components simplified:

- Passive Containment Cooling (PCCS)
- Containment (use of SC)
- Boron injection
- Security (built into design)
- Turbine
- Generator (air cooled)

>50% building volume reduction/MW >50% less concrete/MW

Utilizing proven technology



PROVEN
COMPONENTS,
PRIOR TESTING,
AND
OPERATIONAL
HISTORY
GREATLY
ACCELERATE
DEPLOYMENT

Dryer

Same features as ABWR* and ESBWR ...
Same as upgrades for existing fleet ...
Size nearly identical to KKM**

Steam separators:

Same as ABWR* and ESBWR ... Similar to others in the BWR fleet

GNF2 fuel:

>19,000 bundles delivered ... Utilized by ~70% of BWR fleet

Control rod blades:

Same as ABWR* ...
Longer than ESBWR ...
Almost identical to latest design for BWR
fleet



Reactor pressure vessel:

Same material and fabrication processes as ABWR*, ESBWR and many of the BWR fleet ...

Diameter almost identical to KKM**

Chimney:

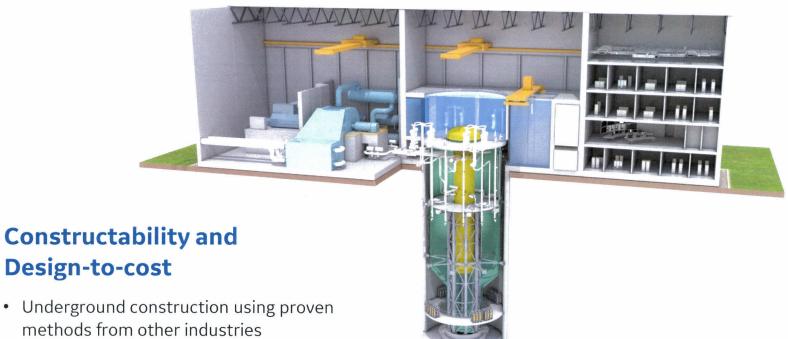
Uses ESBWR and Dodewaard*** technology ... Simplified

Fine motion control rod drives:

Same as ABWR* and ESBWR

Optimized for cost and ease of construction





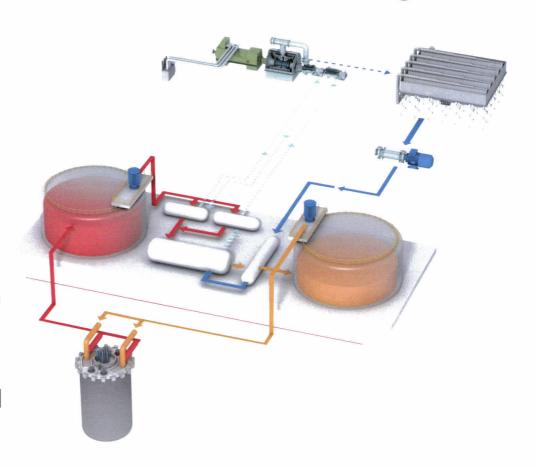
- Underground construction using proven methods from other industries
- Maximum use of catalogue items
- "Off the shelf" turbine/generator



Introducing the Natrium[™] Technology



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



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Strong Team with Complementary Expertise







- Nuclear design experience
- Involved in delivering more than 80 nuclear power plants globally
- Fuel fabricator and nuclear services provider for those plants
- Original equipment manufacturer supplier and supply chain
- Established presence in international markets
- GE corporate experience





- Nuclear design experience
- Technology development, component and system testing
- SFR fuel development and qualification
- Advanced computational tools for integrated design of nuclear reactors
- Strong mission-driven and innovation culture
- Access to partners and private capital

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Rethinking What Nuclear Can Be

Nuclear redefined

- Eliminates nuclear "sprawl"
 - Design to cost
 - Simplicity
 - Rapid construction
 - Design-specific staffing
- ~41% net thermal efficiency

Integrating with renewables

- Zero-emission, dispatchable resource
- Price follower with reactor at 100% power 24/7
- 345 MWe nominal
- Flex to 500 MWe for 5.5 hours with energy storage





