TVA, Bechtel, Sargent & Lundy and GE Hitachi Plan Initial Construction and Design for Potential Clinch River SMR

- TVA selects collaborative contractors Bechtel, Sargent & Lundy and GE Hitachi to prepare a schedule and cost estimate for the potential small modular reactor (SMR) at TVA's Clinch River Nuclear site in Tennessee.
- The team will use the integrated project delivery (IPD) model that promotes integration of work processes. This model incentivizes the parties involved to stay on budget and on time.

KNOXVILLE, Tenn. — Following a rigorous selection process, the Tennessee Valley Authority (TVA) announced Thursday that it will be working with Bechtel and Sargent & Lundy along with GE Hitachi (GEH) to support initial planning and evaluation for the first small modular reactor (SMR) at TVA's Clinch River Nuclear site in Oak Ridge, Tennessee.

Unlike previous nuclear construction projects in the United States, contractors will work with GEH and TVA as a highly integrated project team to plan, design, and potentially procure, construct and commission Clinch River Unit 1. Using an integrated project delivery (IPD) approach to contracting is significantly different from traditional project delivery methods that is intended to align all parties in a unified plan.

"The integrated project delivery model is the preferred method that will make our project a true team effort," said Bob Deacy, TVA Clinch River Project, Senior Vice President. "We will actively work together toward a target budget and schedule – creating a significant advantage to drive nuclear innovation, share risks and reduce costs. This collaboration will provide our region affordable, reliable and increasingly clean power and improve America's energy security."

This model is a best practice from the construction industry. TVA's technology collaboration partner Ontario Power Generation (OPG) has also utilized the IPD model successfully for generation projects and is using the IPD model for its SMR at Darlington in

Ontario, Canada.

Bechtel and TVA have worked together on other nuclear projects over the years, most recently in completing construction of Watts Bar Unit 2 in 2016. Through the IPD, Bechtel will provide valuable insights from its breadth of experience in constructing nuclear facilities.

"Bechtel is honored to be selected by TVA for this important work and is proud to be at the forefront of new nuclear power generation," said Ahmet Tokpinar, general manager of Bechtel's Nuclear Power business unit. "We are committed to leveraging our extensive experience and expertise, utilizing new tools and innovations, to construct this project. We look forward to continuing our partnership with TVA to deliver new, clean energy."

TVA is already working closely with GE Hitachi, OPG and Synthos Green Energy through a technology collaboration agreement that will develop the standard design for the BWRX-300. As TVA continues to prepare for a potential SMR at the Clinch River site, Sargent & Lundy will lead the detailed design for the site-specific implementation of the BWRX-300 at the Clinch River Nuclear site.

"This partnership marks a major step forward for the future of clean, carbon-free nuclear energy in the United States," said Sargent & Lundy Chairman, President and CEO Victor Suchodolski. "We're eager to bring our decades of nuclear expertise to the team, continuing our 40-year relationship with TVA."

The IPD team approach is ideal for developing the potential for multiple innovative SMRs. TVA may consider constructing one or more SMR units. The IPD team scope will also provide preliminary plans with estimated cost reduction forecast as it relates to constructing multiple SMRs to identify innovations and to provide a progression of cost reduction for additional reactors.

"TVA is building a highly skilled and experienced project team to lead the way for the deployment of the BWRX-300 at Clinch River," said Sean Sexstone, Executive Vice President, Advanced Nuclear, GE Hitachi Nuclear Energy. "Together, we bring decades of expertise in the nuclear industry and major projects, and we are excited to collaborate in supporting TVA's mission to meet the increasing demand for reliable and secure energy."

Next Steps

The team is beginning the validation phase. During this phase TVA will collaborate with Bechtel, Sargent & Lundy and GE-Hitachi to jointly develop the potential Clinch River SMR's cost estimate and schedule. A future multi-party agreement is contemplated under which incentives and arrangements will be negotiated to help ensure those estimates are achieved. The validation

phase is anticipated to be completed within 1-2 years. TVA's Board has not voted to approve an SMR at the nuclear site. This approach aligns closely with TVA's structured planning process that carefully advances the Clinch River Project in phases at which the TVA Board will evaluate and consider approving any next steps.

About TVA

The Tennessee Valley Authority is the nation's largest public power supplier, delivering energy to 10 million people across seven southeastern states. TVA was established 90 years ago to serve this region and the nation by developing innovative solutions to solve complex challenges. TVA's unique mission focuses on energy, environmental stewardship, and economic development. With one of the largest, most diverse, and cleanest energy systems – including nuclear, hydro, solar, gas, and advanced technologies – TVA is a leader in our nation's drive toward a clean energy future.

TVA is a corporate agency of the United States, receiving no taxpayer funding, deriving virtually all of its revenues from sales of electricity. In addition to operating and investing its revenues in its electric system, TVA provides flood control, navigation, and land management for the Tennessee River system, and assists local power companies and state and local governments with economic development and job creation.

About GE Vernova

GE Vernova (NYSE: GEV) is purpose-built global energy company that includes Power, Wind, and Electrification segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 75,000 employees across 100+ countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future.

GE Vernova's Nuclear energy business, through its global alliance with Hitachi, is a world-leading provider of nuclear fuel bundles, services, and advanced nuclear reactor designs. Technologies include boiling water reactors and small modular reactors, such as the BWRX-300, which is one of the simplest, yet most innovative boiling water reactor designs. GE Vernova's Nuclear fuel

business, Global Nuclear Fuel (GNF), is a world-leading supplier of boiling water reactor fuel and fuel-related engineering services. GNF is a GE Vernova-led joint venture with Hitachi, Ltd. and operates primarily through Global Nuclear Fuel-Americas, LLC in Wilmington, N.C., and Global Nuclear Fuel-Japan Co., Ltd. in Kurihama, Japan.

GE Vernova's mission is embedded in its name – it retains its legacy, "GE," as an enduring and hard-earned badge of quality and ingenuity. "Ver" / "verde" signal Earth's verdant and lush ecosystems. "Nova," from the Latin "novus," nods to a new, innovative era of lower carbon energy. Learn more: GE Vernova and LinkedIn.

About Bechtel

Bechtel is a trusted engineering, construction, and project management partner to industry and government. Differentiated by the quality of our people and our relentless drive to deliver the most successful outcomes, we align our capabilities to our customers' objectives to create a lasting positive impact. Since 1898, we have helped customers complete more than 25,000 projects in 160 countries on all seven continents that have created jobs, grown economies, improved the resiliency of the world's infrastructure, increased access to energy, resources, and vital services, and made the world a safer, cleaner place.

Bechtel serves the Energy; Infrastructure; Manufacturing & Technology; Mining & Metals; and Nuclear, Security & Environmental markets. Our services span from initial planning and investment, through start-up and operations. www.bechtel.comJ

About Sargent & Lundy

Sargent & Lundy is one of the world's longest-standing full-service architect engineering firms. Founded in 1891, the firm is a global leader in power, energy and decarbonization with expertise in grid modernization, renewable energy, energy storage, nuclear power, conventional power, environmental services, carbon capture and hydrogen. Sargent & Lundy delivers comprehensive project services – from consulting, design and implementation to construction management, commissioning and operations/maintenance – with an emphasis on quality and safety. The firm serves public and private clients in the power, energy, gas distribution, industrial and government sectors. For more information, visit sargentlundy.com and follow the firm on LinkedIn.

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