BWRX-300 small modular reactor down selected by Vattenfall

WILMINGTON, North Carolina (August 21, 2025) – The GE Vernova Hitachi Nuclear Energy (GVH) BWRX-300 small modular reactor (SMR) has been down selected by Vattenfall as it evaluates the construction of new reactors adjacent to its Ringhals plant site on the Värö Peninsula in Sweden.

“We are excited with Vattenfall’s decision, which follows a thorough evaluation process,” said **Maví Zingoni, CEO, Power, GE Vernova**. “As the only small modular reactor under construction in the Western world, the BWRX-300 is strongly positioned to help Sweden meet its expanding energy needs and net zero ambitions.”

“We have a long history of supporting the nuclear industry in the Nordics and are ready to be a key collaborator in Vattenfall’s new nuclear program,” said **Jason Cooper, Advanced Nuclear CEO for GVH**. “In addition to being available to deploy in a timeframe that makes a difference for Sweden’s plans, this technology uses licensed fuel and is designed to reduce construction and operating costs.”

Momentum around the BWRX-300 continues to build globally. Construction of the first BWRX-300 is underway at Ontario Power Generation’s (OPG) Darlington site near Toronto. A total of four units are planned for the site. The U.S. Nuclear Regulatory Commission has accepted and is reviewing Tennessee Valley Authority’s (TVA) application to construct the first BWRX-300 in the U.S., at the utility’s Clinch River site in Oak Ridge, Tennessee. OPG, TVA, Duke Energy and Synthos Green Energy in Poland are investing in the standard design of the BWRX-300. These developments support GVH’s progress and leadership in scaling and deploying SMRs commercially to customers around the globe.

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About GE Vernova Hitachi Nuclear Energy

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. HITACHI is a trademark of Hitachi, Ltd. used under trademark license. GE is a trademark of General Electric Company used under trademark license.

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