

Global Nuclear Fuel introduces next generation fuel product

WILMINGTON, North Carolina (October 6, 2025) – Global Nuclear Fuel (GNF, a GE Vernova-led alliance with Hitachi, Ltd.) today announced the introduction of GNF4, a next generation nuclear fuel product built on a 60-year legacy of boiling water reactor (BWR) fuel design innovation and performance.

The 11x11 GNF4 product builds upon the operating history of GNF2 and GNF3 and features two advanced components that are licensed by the U.S. Nuclear Regulatory Commission: Ziron cladding and aluminosilicate doped uranium dioxide pellets.

Ziron cladding was developed to better resist corrosion, ensuring that fuel remains safe and reliable and is an enhancement to the Zircaloy 2 cladding that has been utilized in more than 175,000 GNF fuel assemblies worldwide. Aluminosilicate doped uranium dioxide pellets add an extra layer of reliability. GNF4 will also utilize GNF's proprietary NSF channel material and Defender+ debris filter.

"GNF4 is engineered to provide plant operators with lower fuel costs per megawatt hour through increased performance and reliability," said Craig Ranson, Installed Base CEO, GE Vernova Hitachi Nuclear Energy. "Our engineering and supply chain teams are leveraging their BWR expertise to introduce this next generation fuel."

GNF4 is being fabricated at GNF's manufacturing facility in Wilmington, NC. The first lead use assemblies of GNF4 are contracted for deployment in 2026 and full reload quantities are expected to be available in 2030.

GNF provides a wide range of services to support nuclear power plants including expert core and fuel cycle engineering, reload licensing and core management services, predictive reports and fuel reliability risk assessments, cyber-secure core monitoring and fleet analytics, fuel examination services and consulting on reactor operations and long-term fuel storage.



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About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a 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 approximately 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.

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.,



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