GE Vernova launches advanced containerized solution for Battery Enabled Energy Storage (BESS)

- GE Vernova launches RESTORE DC Block, a modular BESS solution offering enhanced safety, efficiency, and long-term performance for utility-scale projects.
- With a capacity of 5MWh and a duration range of 2-8 hours, it offers energy providers with an enhanced energy storage solution, improved grid resilience, reduced costs, and optimized renewable energy integration.
- Flexible installation and advanced technology ensure reliable performance and scalability in various environments.

CAMBRIDGE, Mass. (September 10, 2024) – GE Vernova Inc. (NYSE: GEV) today announced the launch of its advanced containerized solution for Battery Enabled Energy Storage (BESS) - **the RESTORE DC Block** - which offers enhanced safety, efficiency, flexibility, and long-term performance. With a capacity of 5MWh and enhanced duration range of 2-8 hours, the solution offers the ability to support multiple grid use cases for utility-scale renewable and energy storage projects.

RESTORE DC Block is a core component of GE Vernova's **FLEX**RESERVOIR solution - an integrated system combining battery storage, power electronics, and advanced controls - that is designed to support seamless integration of renewable energy sources like solar and wind. By storing surplus energy during periods of high generation and releasing it when demand peaks, it ensures a more reliable and efficient grid.

"Our new RESTORE DC Block is engineered not only to meet the stringent technical requirements of modern grids but also to prioritize safety, quality, delivery, and

cost," **said Ed Torres, Business Leader, GE Vernova's Solar & Storage Solutions business**. "This solution demonstrates our ongoing commitment to driving the energy transition by offering flexible, high-performance storage solutions that enhance renewable energy integration while driving down the Levelized Cost of Storage (LCOS)."

Key features of the RESTORE DC Block include:

Safety First: Equipped with comprehensive fire protection systems, the RESTORE DC Block ensures a high standard of safety. The system is designed to mitigate potential hazards while offering defense against cyber threats, ensuring more secure and reliable operations in all environments.

Advanced Digital Technology: Integrated intelligent thermal management and high-speed edge analytics provide precise monitoring of the system's state-of-charge, state-of-health, and state-of-safety, enhancing operational efficiency and reliability. The system also features zero-touch commissioning for quick, hassle-free deployment.

Performance and Longevity: Powered by liquid-cooled LFP (Lithium Iron Phosphate) cells, the RESTORE DC Block delivers an industry-leading 93%+ round-trip efficiency (RTE), is capable of executing multiple back-to-back cycles, and is designed to offer consistent performance over a 25-year life. It operates reliably in a broad range of temperatures from -30°C to 50°C, making it suitable for diverse climates and geographies.

Flexible Installation & Augmentation: The system is designed for versatility, supporting back-to-back and side-to-side configurations to optimize space. It also features both AC and DC augmentation options, allowing for customized scalability with a usage-based capacity guarantee.

The RESTORE DC Block can empower utility companies, renewable energy developers, and grid operators by delivering greater grid resilience, reducing energy costs, and optimizing renewable energy integration, thereby accelerating the transition to a dispatchable clean energy future.

For more information about the RESTORE DC Block and how it can support energy needs, visit our website

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Notes to Editors:

Forward Looking Statements

This document contains forward-looking statements – that is, statements related to future events that by their nature address matters that are, to different degrees, uncertain. These forward-looking statements address GE Vernova's expected future business and financial performance, and the expected performance of its products, the impact of its services and the results they may generate or produce, and often contain words such as “expect,” “anticipate,” “intend,” “plan,” “believe,” “seek,” “see,” “will,” “would,” “estimate,” “forecast,” “target,” “preliminary,” or “range.” Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about planned and potential transactions, investments or projects and their expected results and the impacts of macroeconomic and market conditions and volatility on business operations, financial results and financial position and on the global supply chain and world economy.

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 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.

Learn more: GE Vernova and LinkedIn.

GE Vernova's **Solar & Storage Solutions** business provides technologies in solar energy, battery energy storage, and power plant controls to drive dispatchable and reliable renewable energy solutions and to help with the transition to a cleaner energy future.

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