GE Vernova Charts a Path to a Reliable, Low-Carbon Energy Future for Germany

- New study/white paper identifies four priorities to align investment in generation, grid, and flexibility.

Berlin, 7 November 2025 - GE Vernova today offered solutions on how Germany can maintain a secure, affordable, and low-carbon electricity supply through 2035, following the Federal Ministry for Economic Affairs and Energy's (BMWE) latest *Energiewende Monitoring Report* and accompanying 10-Point Plan.

The company's new white paper finds that Germany's energy transition challenges such as renewable curtailment, grid congestion, and rising system costs cannot be solved by any single technology. Instead, they require an integrated system planning approach that links demand growth, renewable expansion, grid build-out, and dispatchable capacity into one coordinated framework.

"The Monitoring Report gets it right: Germany will need additional dispatchable capacity," said Markus Becker, Executive Director, System Economics, GE Vernova's Consulting Services. "The scale and timing, however, depend on how quickly flexibility, grid expansion, and demand evolve together. The answer is not one variable, it is how they work in concert."

Building on this analysis, GE Vernova outlines four priorities for policymakers and planners as Germany implements the findings of the BMWE report:

- Accelerate integrated system planning to align decisions on generation, transmission, and flexibility investments, ensuring reliability at the lowest total cost.
- Scale flexibility and storage by expanding battery, demand-side, and digital solutions that make electricity demand an active contributor to system

balance and help reduce renewable curtailment.
- Deploy modern, efficient gas generation alongside technology-neutral decarbonization solutions, providing fast-response backup for renewables while enabling future decarbonization of thermal assets.
- Advance market design for flexibility and adequacy by developing capacity and capability mechanisms that value firm capacity, fast response, and low-carbon flexibility together.

The paper also highlights the need for regional coordination within Europe's interconnected power market and resilient supply chains for generation equipment, transformers, and grid infrastructure. Maintaining a strong domestic and European manufacturing base is key to ensuring projects are delivered on time and within budget.

The full white paper can be accessed here.

GE Vernova has played a central role in Germany's power sector for more than 100 years. Its equipment and solutions support approximately 30 percent (46 GW) of the country's installed capacity and continue to underpin efforts to modernize and decarbonize the German grid.

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About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Electrification and Wind 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 85,000 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.

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