GE Vernova’s H-Class gas turbine fleet accumulates three million operating hours

- Industry leading technology continues to grow with a fleet of 116 units in operation, providing 67 gigawatts of electricity, which is the equivalent capacity needed to power more than 50 million U.S. homes

- Company expanding capacity to help meet growing power generation demand, including more than $160 million investment in Greenville facility

- The fleet is the most responsive and flexible in the industry enabling grid operators to dispatch power quickly and a great complement to intermittent renewable sources

ATLANTA, GA (March 6, 2025) – GE Vernova Inc. (NYSE: GEV) today announced that its industry leading H-Class gas turbine technology has amassed more than 3 million commercial operating hours across 116 units globally, the equivalent capacity needed to power more than 50 million U.S. homes. In addition to benefitting customers to provide efficient, dispatchable baseload power and supporting the energy transition, the growing fleet of operating HA gas turbines can provide significant value for GE Vernova through long-term maintenance and services contracts.

Since the first HA unit launched in commercial operations in 2016 with record-setting combined cycle efficiency, the HA fleet has generated more than 67 gigawatts (GW) of power, equal to one of these turbines running for 342 years, The fleet has helped power plant operators provide efficient electricity, reduce emissions, increase efficiency, retire coal-fired facilities, and integrate greater levels of renewable energy.

“This is an exciting milestone for the industry’s largest HA fleet,” said Eric Gray, President & CEO, GE Vernova’s Gas Power business. “Thanks to the strong collaboration with our customers, we are able to help them meet electrification and decarbonization goals with powerful and efficient technologies like the HA gas turbine. As more HA turbines come online, these milestones will only accelerate, while driving significant services for GE Vernova for decades to come and bringing greater reliability and operating performance for our customers.”

In addition to electrification, GE Vernova’s HA gas turbines have a pathway to decarbonization—both pre-combustion with hydrogen, with a current capability to burn up to 50% by volume of hydrogen when blended with natural gas, and post-combustion with carbon capture and sequestration. For example, at the new Net Zero Teesside Power project in the U.K., GE Vernova will supply a 9HA.02 turbine to power the world’s first commercial scale gas-fired power station with carbon capture.

In addition to traditional power generation and decarbonization, GE Vernova’s HA gas turbines are also well positioned for the growing need for more and larger, energy-intensive data centers. Recent agreements with Chevron and NRG and Kiewit are testaments to our commitment to accelerating new generation capacity to support demand growth and of the fleet’s broad appeal.

The International Energy Agency (IEA) estimates that data centers have the potential to double their energy usage by 2026. The rise of AI computational demand, along with the investment supercycle in electric power sector, has moved the IEA to raise its growth forecasts for global power. In its latest report, released in February, the IEA reported global electricity demand is expected to rise at a faster rate over the next three years, growing by an average of 3.4% annually through 2026. — one of the strongest sustained growth trajectories in many years.

To help meet this growing demand, GE Vernova announced more than $160 million investment in its Greenville, South Carolina, facility earlier this year. GE Vernova’s world-class manufacturing and services facility in Greenville will continue to represent the company’s largest gas turbine manufacturing plant and the HA

Repairs Center of Excellence for the Americas Region, with the most powerful off-grid gas turbine validation facility in the world. This investment is focused on increasing capacity to help meet market needs, including plans to produce 70 to 80 heavy-duty gas turbines per year beginning in the second half of 2026 and shipping approximately 20 gigawatts annually starting in 2027.

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GE Vernova's **Gas Power** business engineers advanced, efficient natural gas-powered technologies and services, along with decarbonization solutions that aim to help electrify a lower carbon future. It is a global leader in gas turbines and power plant technologies and services with the industry's largest installed base.

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GE Vernova

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