China’s Huizhou CHP Plant starts commercial operation, powered by GE Vernova’s hydrogen-ready H-Class equipment

- GE Vernova and Harbin Electric Corporation provided two hydrogen-ready 9HA.01 combined-cycle units for Guangdong Huizhou combined heat and power plant operated by the Guangdong Energy Group Co. Ltd
- New power plant is expected to deliver up to 1.34 gigawatts (GW) to the grid and steam for the industrial process of the chemical complex present in Huizhou
- Project marks first GE 9HA.01 gas turbine manufactured by the GE Harbin Electric HDGT Joint Venture in Qinhuangdao

HUIZHOU, GUANGDONG PROVINCE, CHINA (July 2, 2024) – GE Vernova Inc. (NYSE: GEV) today announced that Guangdong Huizhou Combined Heat and Power (CHP) plant powered by two GE Vernova hydrogen- ready 9HA.01 combined-cycle power generation equipment achieved the successfully commercial operation. The Chinese state-owned power utility Guangdong Energy Group Co., Ltd.’s CHP plant is expected to inject up to 1.34 gigawatts (GW) of electricity into the grid and steam for the industrial process of the chemical complex present in Huizhou, a city in southeast Guangdong Province, China, north of Hong Kong. GE Vernova’s gas turbines are expected to burn up to 10 percent by volume of hydrogen blended with natural gas within the next two years.

“Hydrogen energy will play an important role in the future energy system in Guandong Province, an agglomeration of cities aiming to strengthen international cooperation and promote lower-carbon, inclusive, coordinated and more sustainable development,” said a representative from **Guangdong Energy Group** . “GE Vernova has long been our company of choice when transitioning our power

plants from coal to natural gas, and we trust GE Vernova advanced H-Class gas turbines will help promote the use of hydrogen blending in power generation across other provinces, as aligned to China's Medium and Long-term Plan for the Development of Hydrogen Energy Industry (2021–2035) objectives."

Although hydrogen supply in Guangdong Province is still highly dependent on the gray hydrogen production method, which is mainly based on the production of hydrogen from industrial byproducts and coal power, the national and provincial energy plans encourage the development of renewable energy for hydrogen production.

"GE Vernova believes that the Guangdong Huizhou project could serve as a model to develop hydrogen-blended H-class natural gas power generation across other provinces" said **Xu Xin, President of GE Vernova China Gas Power Services**. "In Guangdong, we focus on helping to address the growing electricity and steam needs while reducing carbon emissions. China's Medium and Long-term Plan for the Development of Hydrogen Energy Industry proposes an accelerated conversion towards efficient hydrogen production from renewable energy, and we are proud Huizhou plant is expected to become the first hydrogen-blended natural gas facility to use GE Vernova's gas turbines in China."

GE Vernova has over 120 units worldwide that have run fully or partially on hydrogen and accumulated over 8.5 million operating hours.

Guangdong Huizhou project marks the first localized 9HA.01 manufactured by General Harbin Electric Gas Turbine (Qinhuangdao) Co., Ltd. in China. This joint venture was formed in 2019 between GE and Harbin Electric as a joint effort to focus on heavy duty gas turbine localization, aiming to deliver more efficient and reliable support for China gas power plants, including those that operate on blends of natural gas and hydrogen. Harbin Electric also provided steam turbine, generator and balance-of-plant equipment for the power plant.

GE and Harbin Electric have been suppliers for Guangdong Energy Group ("GEG") for many years. GEG selected two GE Vernova 9F.05 gas turbines for Xinhui Power

Plant, which achieved the successful commercial operation in 2018. Additionally, GE Vernova is currently supporting the plant operator's transition from coal-to-gas at its Dongguan Ningzhou power plant. GEG selected three GE Vernova 9HA.02 gas turbines and Harbin Electric's steam turbines, generators and other auxiliary equipment for the Dongguan Ningzhou combined cycle power plant in Guangdong province, also in the Greater Bay Area.

Operating in China for over 40 years, GE Vernova has been delivering innovative products and services that create significant value for its power generation customers, and now helps power plant operators in addressing the energy transition challenge. GE Vernova serves around 110 customers and more than 240 gas turbines in China, with an installed power capacity of 50 gigawatts (GW).

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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 often address GE Vernova's expected future business and financial performance and financial condition, 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 the Company's business operations, financial results and financial position and on the global supply chain and world economy.

About GE Vernova

GE Vernova (NYSE: GEV) is 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 more than 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. **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 gas power plant technologies and services with the industry's largest installed base of approximately 7,000 gas turbines.

GE Vernova's mission is embedded in its name – it retains its legacy, "GE," as an enduring and hard-earned badge of quality and ingenuity. "Ver" / "verde" signal Earth's verdant and lush ecosystems. "Nova," from the Latin "novus," nods to a new, innovative era of lower carbon energy. Learn more: GE Vernova and LinkedIn.

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