# GE Vernova secures H-class gas turbine order to convert aged coal-fired power plant in South Korea

- GE Vernova's 7HA.02 gas turbine, which is already capable to operate with blends of hydrogen and natural gas, has been selected to power Korea Western Power Co., Ltd's Gongju-si power plant in Chungcheongnam
- The new H-Class gas turbine power plant is expected to support coal-fired power phase out while enhancing the reliability and stability of the Korean electricity grid
- GE Vernova's advanced 7HA.02 gas turbines will be fueled initially by natural gas, with the targeted fuel switch to blends of hydrogen when available

**Seoul, South Korea: April 8, 2024** - GE Vernova's Gas Power business (NYSE: GEV) today announced it has secured an order from Korea Western Power Co.,Ltd (KOWEPO),a subsidiary of Korea Electric Power Corporation (KEPCO), to provide a GE Vernova 7HA.02 gas turbine and a H65 generator for KOWEPO's power station in Gongju-si, Chungcheongnam-do Republic of Korea. For the project GE Vernova is part of an international consortium, including the Korean engineering, procurement and construction (EPC) company Daewoo E&C.

KOWEPO's aged coal-fired plant is expected to be replaced with Gongju-si natural gas power generation, expected to reach an output of 500 Megawatts, while enabling future fuel mix combustion of up to 30 percent by volume of hydrogen, subject to the development of a hydrogen manufacturing industry of an appropriate size and scale.

"*This power plant will add new capacity, expected to increase power supply security in South Korea while continuing to phase out coal power generation. In*

*addition, it will help expand a more reliable deployment of renewable energy resources in our country as we'll be more capable to dispatch power quickly in response to grid fluctuations*," said a **representative from KOWEPO**. "*The new power plant will be capable to operate on up to 30% hydrogen by volume, in line with the national goal to deploy renewables and green hydrogen at large scale and achieve carbon neutrality by 2050*."

The new power plant targets to begin operation in 2027. Switching from a coal plant to its gas equivalent can alone reduce carbon emissions by as much 60 percent, and lower emissions levels for other pollutants such as mercury, NOx, SOx and particulate matter, when using one of the most advanced of GE Vernova's HA gas turbines.

"*In a country with an increasing power demand due to planned coal-fired power plant retirements, we are proud to support a lower-carbon future in Korea*," said **Ramesh Singaram, President and CEO GE Vernova's Gas Power in Asia**. "*We are committed to providing KOWEPO with our advanced gas turbine technology to accelerate coal phase-out and support an increase in the share of renewables as we work towards lower-carbon gas-based power generation with hydrogen. Once in operation, Gongju-si power plant is expected to be among the most efficient and flexible power plants in the country."*

GE Vernova is a major player in power generation in South Korea. GE Vernova 's gas turbines (simple and combined cycle) in the country have the capacity to generate more than 14 Gigawatts of electricity with an installed base of over 78 units. The company has been present in South Korea since 1976, working closely with local companies to support the country's growth in the energy sector. In 2015, GE Vernova undertook a large-scale manufacturing plant investment in Changwon, South Korea, by acquiring Doosan's HRSG business.

*###*

**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.

© 2024 GE Vernova and/or its affiliates. All rights reserved.</br>
GE is a trademark of General Electric Company and is used under trademark license

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.

https://www.gevernova.com/
GE Vernova

# Media inquiries

**Laura Aresi**

GE Vernova | Media Relations Leader, Power
laura.aresi@gevernova.com

**Zatalini Zulkiply**

GE Vernova | Regional Communications Leader, Asia
zatalini.zulkiply@gevernova.com
+60 17 224 5752