

## **GE Vernova secures four gas turbines orders to help boost China's Greater Bay Area's Coal-to-Gas transition**

- *Royal Golden Eagle (RGE) Group's subsidiary East Asia Power (Yangjiang) Co., Ltd. and Beijing Energy International Holding Co., Ltd. (BJEI) each ordered two GE 6F.03 units respectively for their two new cogeneration power plants*
- *F-Class gas turbines will support the production of reliable electricity for Yangjiang City, Guangdong Province, in alignment with policy in the Greater Bay Area focused on the coal-to-gas energy transition*
- *Once operational in early 2025, the two plants are expected to deliver heat and up to 480 MW of electricity to the grid*

**Yangjiang City, Guangdong, China - August 22, 2023** - GE Vernova's Gas Power business (NYSE:GE) today announced two orders for four GE 6F.03 gas turbines which are expected to deliver reliable power and heat to Yangjiang City, in the Guangdong-Hong Kong-Macao Greater Bay Area in China and help boost the megapolis' transition from coal to gas power generation to lower emissions. The first order for two units was signed with Royal Golden Eagle Group (RGE)'s East Asia Power (Yangjiang) Co., Ltd. for its Yangjiang High-Tech Zone Natural Gas Combined Heat and Power (CHP) Plant, and two additional other two units were purchased by Beijing Energy International Holding Co., Ltd. (BJEI) for the Yangjiang Yangxi Natural Gas CHP Project. The four units are expected to deliver 480 megawatts (MW) of electricity in total once operational in early 2025.

“With these two orders we are continuing to build solid cooperation with the power generation energy industry in Yangjiang City” said **Robert Huang, Director of Industrial Gas Turbine Sales, GE Vernova's Gas Power China**. “We are delighted our robust technology was selected for these projects. We're committed to supplying our advanced power generation equipment in alignment with China's national emissions reduction goals and its commitment to building a lower-carbon, and more efficient energy system to support a more sustainable growth of the Greater Bay Area.”

China aims to achieve a carbon emissions peak by 2030 and achieve carbon neutrality by 2060. Driven by these [goals](#), the country is committed to reduce coal's share of its energy mix and expedite the building of highly efficient gas-powered Combined Heat and Power (CHP) plants such as these power projects. Natural gas-fired generators have the lowest carbon dioxide (CO<sub>2</sub>) emissions of all fossil power generation fuels—a natural gas-fired combined cycle plant has roughly 50% of the CO<sub>2</sub> emissions of a similarly sized coal plant, and lower emissions levels for other pollutants such as mercury, NO<sub>x</sub>, SO<sub>x</sub> and particulate matter.

### **Yangjiang High-Tech Zone Natural Gas CHP Project**

[RGE](#) is a global integrated industrial group, operating in the paper, palm oil, viscose, property and asset management construction and power generation industry. RGE is developing a [liquefied natural gas \(LNG\) receiving terminal](#) in Yangjiang which will receive up to 2.8 million tons of LNG annually. Here the new plant, powered by two GE 6F.03 gas turbines, is expected to support Yangjiang High-Tech Zone Natural Gas business hub energy needs while helping to reduce the area's reliance on coal power. The first unit is planned to achieve commercial operation in December 2024, while the second in the first quarter of 2025. The contract signed with GE Vernova includes a service agreement to help ensure continued reliable operation of the power plant for the next 15 years.

“The new plant is highly valued by both the municipality and the Guangdong Province as it is expected to improve the energy system of the area and provide a leap forward in the access to natural gas, while helping to meet both power and heat demands from local enterprises,” said the spokesperson of Yangjiang High-Tech Zone Natural Gas CHP Project. “This agreement marks the first-time collaboration between GE Vernova and RGE and we look forward to a productive relationship on this project.”

### **Yangjiang Yangxi Natural Gas Cogeneration project**

BJEI, an international energy investment company, ordered two GE 6F.03 gas turbines for its Yangjiang Yangxi Natural Gas Cogeneration project. The new cogeneration plant will supply up to 240 MW of electricity which will help accelerate



the construction of the [Zhongshan Torch \(Yangxhi\) Industrial Transfer Park](#) of Yangjiang. For the project, BJEI will also support the construction of a heating pipe network of about 10 kilometers.

“We trust GE Vernova’s gas power advanced technology will help us meet the energy and heating needs of our communities in Yangjiang City,” said a spokesperson of Yangjiang Yangxi Natural Gas CCHP Project. “The use of district heating and cooling systems will help us reduce carbon emissions, relative to the impact of individual heating and air-conditioning systems in line with the expansion of densely populated communities and business and contribute to the early realization of the dual carbon management goals in the Guangdong Province.”

GE’s 6F.03 gas turbine is well-known for its advanced performance, high reliability, and flexibility. It is widely used in cogeneration power generation, industrial power plants and district heating supply. As of 2023, over 260 of GE’s 6F.03 gas turbines are installed globally with a total of more than 14.1 million operating hours as of April 2023, including 48 units which are operating across mainland China.

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### **About GE Vernova’s Gas Power business**

GE Vernova’s Gas Power business is a world leader in natural gas power technology, services, and solutions. Through relentless innovation and continuous collaboration with our customers, we are providing more advanced, cleaner and efficient power that people depend on today and building the energy technologies of the future. With the world’s largest installed base of gas turbines and more than 670 million operating hours across GE’s installed fleet, we offer advanced technology and a level of experience that’s unmatched in the industry to build, operate, and maintain leading gas power plants. For more information, visit the company's [website](#). Follow GE Power on [Twitter](#) and [LinkedIn](#).

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