

GE Secures Order for Six LM2500XPRESS* Gas Turbine Packages to Boost Grid Stability in Taiwan

- *Taiwan Power Company (TPC) ordered six of GE's advanced LM2500XPRESS power packages for its Tung Hsiao Power Plant Renewal Project to provide fast, reliable and flexible power*
- *TPC's 175-megawatt (MW) plant will help manage power shortages, stabilize the grid, and support renewables growth in Taiwan*
- *GE's compact LM2500XPRESS power package, built using GE's proven LM2500 aeroderivative gas turbine technology is 95% factory assembled into simplified modules for faster and easier site installation*

Taiwan April 11, 2022 — General Electric International, Inc. (NYSE: GE) today announced an order from Taiwan Power Company (TPC) for six of its advanced LM2500XPRESS gas turbine packages aiming to provide a rapid, highly modular technology that can quickly bridge the power gap during blackouts, or energy shortages. TPC's 175 megawatt (MW) Tung Hsiao Power Plant Renewal Project gas plant is expected to be built by GE in less than 10 months from the order, with a targeted official dispatch date expected before December 31, 2022. GE's LM2500XPRESS power plant is 95 percent factory assembled into simplified modules and provides a "plug and play" concept that is ideal to bring fast power to the grid, when needed. The six units will support the flexibility needed as renewables penetration continues to grow in Taiwan, in alignment with Taiwan's target of achieving net-zero emissions by 2050.

Taiwan is currently targeting a 25% share of renewables in its power mix in 2025, compared with 5.4% last year. Gas power generation plays a critical role in facilitating Taiwan's transition to a lower carbon future and supporting the reliable, affordable growth of sustainable energy.

Each of GE's [LM2500XPRESS](#) power package comprises of a GE LM2500 aeroderivative gas turbine modular package, and emissions control system, . With the capability to start in 5 minutes or even less from cold iron, these units derived



from the aviation industry can perform daily starts and stops without impacting its maintenance cycles or costs and will help TPC better integrate and compensate renewable energy sources.

“Taiwan’s rapidly changing energy mix from reduced coal and nuclear to an increase in renewables is creating opportunities for Taiwan to diversify into fast, flexible, more efficient gas technologies that will help balance the electricity grid and meet future demand. GE’s LM2500XPRESS will enable TPC to support the increased use of renewable solar and wind power,” said Ramesh Singaram, President & CEO GE Gas Power. “With units that are responsive and able to fill gaps to help ensure the reliability of the energy system, we will be able to support TPC making an important contribution towards the security of power supply in Taiwan”.

GE’s LM2500XPRESS is built on GE’s proven LM2500* aeroderivative gas turbine technology. With more than 2,500 units sold and more than 100 million operating hours, GE’s LM2500 is available in both simple and combined cycle configuration, for 50 and 60 Hz utility providers. In simple cycle configuration, it delivers up to 34 MW and achieves up to 39,5 percent of efficiency. In a combined cycle configuration, it delivers up to 47 MW with up to 54,4 percent of efficiency. LM2500 units have averaged reliability of more than 99% and availability higher than 98% over a 20-year period.

The compact LM2500XPRESS units for this project will be assembled at GE Gas Power’s Manufacturing Excellence Center in Veresegyhaz, Hungary.

*Trademark of General Electric Company

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