

GE's Aeroderivative Technology Will Help Wheat Starch and Gluten Producer Manildra Reduce Carbon Emissions

- *GE's LM2500* will help Manildra Group's Shoalhaven Starches industrial process transition from coal-fired boilers to natural gas-fueled operations, expected to reduce CO2 emissions by up to 40%*
- *GE's turnkey solution for the Shoalhaven Starches cogeneration plant is projected to be operational by early 2023, with the arrival of equipment on site on 15 June 2022*

South Coast, NSW Australia - June 20, 2022 – GE (NYSE: GE) today announced the arrival of the first shipment of GE's aeroderivative turbine at Manildra Group's cogeneration power plant at its world-class Shoalhaven Starches wheat gluten and starch site, in Bomaderry, New South Wales, Australia. The remaining equipment will subsequently be delivered, and plant is expected to be operational by early 2023. GE will provide two LM2500+ aeroderivative gas turbines, two Heat Recovery Steam Generators (HRSG) with fresh air firing and associated Balance of Plant to deliver up to 54 megawatts (MW) of electricity and 210 tons per hour (TPH) of steam on a continuous basis to Manildra Group's Shoalhaven Starches' site operations. The new equipment will help transition Manildra Group's energy supply from existing coal-fired boilers to natural gas-fueled operations, reducing CO2 emissions by up to 40%.

Australian family-owned Manildra Group produces a range of Australian-grown and made food and industrial products, including wheat flours, bakery mixes, ethanol, starches, syrups, stockfeed and more. Shoalhaven Starches is the largest wheat starch and gluten plant of its kind in the world. The integrated sustainable manufacturing process at Shoalhaven Starches uses the entire wheat grain, relying on heat (from steam) production to power the site, day-in, day-out, 365 days a year.

The Shoalhaven Starches site requires continuous availability of large amounts of electricity and a significant volume of steam. Manildra Group turned to GE to

deliver security of supply of both electricity and steam. Currently, electricity is purchased from the national grid and steam delivered through existing gas and coal-fired boilers. As part of the energy transition in Australia, Manildra Group needed to retire current boilers as well as become self-sufficient in supplying electricity without relying on the national grid. GE technology offered a turnkey solution for the complete cogeneration plant.

“We recognise that more sustainable, stable, reliable, and affordable energy is critical to our manufacturing process, **which is why we are delighted to employ GE’s advanced power and steam generating technology to provide cleaner and more reliable electricity and heat,**” said Manildra Group Managing Director John Honan. “This scale of investment in energy transition, generation and infrastructure cements our commitment to a more sustainable, and cleaner fuel powered site, and GE’s LM2500 turnkey power plant solutions will support us in continuing to produce the highest-quality Australian-grown and made food and industrial products.”

“Manildra’s transition from carbon-intensive processes will help the state of New South Wales drive further progress in emissions reductions. With more than 150 million operating hours acquired over the last 45 years, GE’s aeroderivative turbines are well-established for their flexibility and speed. We are confident that Manildra’s investment in our aeroderivative technology enables fast, economical and efficient power to help achieve its decarbonization commitments,” said Aman Joshi, General Manager, GE Aeroderivatives, during his visit to Australia early June.

In addition to providing the technology for the cogeneration power plant, GE also signed an eight-year contractual service agreement.

“GE is pleased to have been selected as the cogeneration power plant technology provider for the project’s requirements and timeline,” commented Sam Maresh, President of GE Australia. “The Manildra cogeneration plant demonstrates how GE technology can enable lower operational and maintenance costs which will help the Australian industry be more competitive while reducing carbon emissions.”



*** Trademark of General Electric Company.**

About GE Gas Power

GE Gas Power is a world leader in natural gas power technology, services, and solutions. Through relentless innovation and continuous partnership 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, please visit www.ge.com/power/gas and follow GE's gas power businesses on Twitter and LinkedIn.

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