



FOR IMMEDIATE RELEASE

**LINDEN COGENERATION AND PHILLIPS 66 BAYWAY REFINERY COMPLETE
HYDROGEN BLENDING COMMISSIONING**

—Hydrogen blending technology has been successfully commercialized—

LINDEN, NJ – June 6, 2023 – Linden Cogeneration (Linden Cogen) has successfully completed the commissioning process of its hydrogen blending initiative which stands to curb CO₂ emissions by reducing the amount of natural gas used for power and steam generation.

After such modifications, including PSM’s FlameSheet™ system, Linden Cogen is now taking refinery off gas containing hydrogen produced by the Phillips 66 (NYSE: PSX) Bayway Refinery and blending it with natural gas to fuel the unit 6 gas turbine. The project is improving overall refinery and Linden Cogen operational efficiency and reducing CO₂ emissions, primarily by using refinery off gas and improving flare efficiencies.

“We successfully implemented the new technologies and commercialized the operations,” said Todd Kerschbaum, Chief Technical Officer for JERA Americas, asset manager and half owner of Linden Cogen. “Actual reductions will be based on how much hydrogen is used at any given time of plant operation, but the joint project is expected to reduce overall CO₂ emissions by approximately 10% of annual CO₂ emissions from the unit 6, while staying within the gas turbine’s stringent NO_x emission requirements.”

“At Phillips 66, we are committed to playing a meaningful role in the energy transition and pursuing lower-carbon opportunities. This joint project with Linden Cogen, located within the Bayway Complex, is a great example of our commitment. We are very pleased with the project’s anticipated improved energy efficiency and reduced CO₂ emissions,” said Donald Susanen, Bayway Refinery General Manager.

LINDEN COGENERATION

Linden Cogen is a 972 MW natural gas-fueled thermal cogeneration plant located in Linden, New Jersey. Power and steam produced from the power generation facility is supplied for industrial use under long-term contracts and most of the electricity is also sold into the New York Independent System Operator and PJM power markets. The facility, which began

operating in 1992, has six gas turbines and three steam turbines. Linden Cogen is owned by JERA Americas (50%), EGCO (28%), DBJ (12%), GS-Platform Partners (10%). Unit 6 has been modified to use blended hydrogen.

JERA AMERICAS

JERA Americas is supporting an energy transition in an environmentally and socially responsible manner. The Company is a subsidiary of Tokyo-based JERA, which stands for Japan's Energy for a New Era, and produces about 30% of all electricity in Japan. JERA is committed to achieving net zero CO2 emissions from its domestic and overseas businesses by 2050 and is contributing to the development of a sustainable society. For more information you may follow JERA Americas on [LinkedIn](#) or visit <https://www.jera.co.jp/en/corporate>.

PHILLIPS 66

Phillips 66 (NYSE: PSX) manufactures, transports and markets products that drive the global economy. The diversified energy company's portfolio includes Midstream, Chemicals, Refining, and Marketing and Specialties businesses. Headquartered in Houston, Phillips 66 has employees around the globe who are committed to safely and reliably providing energy and improving lives while pursuing a lower-carbon future. For more information, visit phillips66.com or follow @Phillips66Co on [LinkedIn](#) or [Twitter](#).

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