



MHPS SELECTED TO SUPPLY ADVANCED CLASS GAS TURBINE TECHNOLOGY TO CUT CARBON EMISSIONS FROM OIL SANDS BITUMEN PRODUCTION

FORT MCMURRAY, ALBERTA, CANADA, May 7, 2018 /EINPresswire.com/ -- Mitsubishi Hitachi Power Systems (MHPS) announced that Suncor Energy has issued a Letter of Intent to purchase MHPS JAC gas turbine technology.

Subject to finalization of formal agreements and final project sanction decision by Suncor, the technology would power a new, more cost-effective and carbon-efficient process for bitumen production and power production in the Canadian oil sands.

The MHPS JAC gas turbine technology was selected through a competitive bidding process. If the project is sanctioned, two JAC gas turbines will be installed with two heat recovery steam generators (HRSG) in a co-generation facility at the company's base plant oil sands mine near Fort McMurray, Alberta.

The operation will involve a proprietary process that uses natural gas to generate up to 800 megawatts (MW) of electricity using MHPS JAC gas turbine technology. Waste heat from the gas turbine is used to create steam, which heats the oil sands to separate the sand from the bitumen. This process will improve the efficiency of the existing production of approximately 350,000 barrels of bitumen per day.

In addition, MHPS will provide their digital power solution technology. This will allow MHPS to monitor the equipment and provide predictive analytics, machine learning and adaptive controls technology.

The new process is expected to result in a significant reduction in carbon dioxide emissions, the equivalent of removing 537,000 cars from the road every year. In addition, the efficiency of the energy produced will be 85% and the electricity produced will be enough to power more than 700,000 Alberta homes.

About Mitsubishi Hitachi Power Systems Americas, Inc.

Headquartered in Lake Mary, FL, MHPS Americas employs more than 2,000 people who design, build, install, monitor and service aeroderivative and heavy-duty natural gas, steam and geothermal turbines, generators, and environmental control systems throughout North and South America. MHPS Americas also collaborates with customers to deploy artificial intelligence and low carbon technologies to take the cost and carbon out of the electric power value chain. MHPS Americas is subsidiary of Mitsubishi Hitachi Power Systems, a joint venture between Mitsubishi Heavy Industries, Ltd. and Hitachi, Ltd. PWPS and MD&A are wholly owned subsidiaries of MHPS Americas. Learn more about the Revolutionary Energy of MHPS Americas by visiting www.changeinpower.com.

MHPS is a subsidiary of Mitsubishi Heavy Industries headquartered in Tokyo, Japan. (7011:JP)

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