

Energy Recovery Technology Remains Critical to the Success of U.S. Military's Mobile Desalination Units in Combat and Disaster Relief Efforts

Turbocharger Energy Recovery Devices Integrated into Global Defense Technology & Systems Tactical Water Purification Systems to Quickly and Energy-Efficiently Produce Potable Water

SAN LEANDRO, Calif.--(BUSINESS WIRE)-- Energy Recovery Inc (NASDAQ:ERII), a leader in the design and development of energy recovery devices for desalination, today announced that its Pump Engineering(TM) division has entered the fifth year of a mutually successful partnership with [Global Defense Technology & Systems, Inc.](#) (NASDAQ:GTEC) to provide essential desalination components for GTEC's Tactical Water Purification System (TWPS). The rugged, transportable TWPS is used by the U.S. military to supply fresh, clean water from any non-potable water source. Pump Engineering's HTCII-50 Turbocharger technology enables efficient, cost-effective reverse osmosis desalination to help the military activate the TWPS during combat, disaster relief efforts or in other scenarios in which fresh water is not readily available.

The GTEC TWPS units purify, store and dispense potable water from any source and are capable of producing up to 1,500 gallons per hour from lakes and rivers and up to 1,200 gallons per hour from seawater. Designed to meet the exact specifications of each branch of the U.S. military, TWPS units can supply enough potable water for more than 12,000 people per day and are frequently deployed to quickly supply water in emergency response situations, including as part of the 2010 earthquake relief efforts in Haiti.

Pump Engineering's hydraulic Turbochargers are custom-designed to reduce energy consumption and increase efficiency in specific process conditions, including seawater reverse osmosis (SWRO) desalination and liquid processing. Like Energy Recovery's portfolio of PX(TM) energy recovery devices, the Turbochargers are durable and simple to operate. More than 10,000 of Energy Recovery's devices are deployed or under contract to be installed for various applications across the globe. In total, they save more than 900 MW of energy and reduce CO₂ emissions by more than 4.7 million tons per year worldwide.

"Our Turbochargers have an established reputation at SWRO and BWRO plants across the globe, and the TWPS application illustrates the flexibility of our technologies for almost any use," said Lindsay Reau, international sales manager at Pump Engineering. "The integration of the HTCII-50 Turbochargers into the TWPS mobile desalination units is a great example of the human benefit our technology provides. We look forward to continuing our successful partnership with Global Defense Technology & Systems to help the U.S. military quickly and efficiently produce potable water for combat, disaster relief or any other scenario."

About Energy Recovery Inc

Energy Recovery Inc (NASDAQ:ERII) designs and develops energy recovery devices that help make desalination affordable by significantly reducing energy consumption. Energy Recovery technologies include the PX Pressure Exchanger(TM) (PX(TM)) device for desalination and the Turbocharger hydraulic turbine energy recovery device and pumps for desalination, gas and liquid processing applications. In total, Energy Recovery helps reduce CO₂ emissions by more than 4.7 million tons per year and produce 1.6 billion gallons of potable water per day. The company is headquartered in the San Francisco Bay Area with offices in Detroit and in key desalination centers worldwide, including Madrid, Shanghai and the United Arab Emirates. For more information about Energy Recovery Inc, please visit www.energyrecovery.com.

Source: Energy Recovery, Inc.