

Energy Recovery Inc PX(TM) Technology to Significantly Reduce Lifecycle Costs at Massive Desalination Plant in Qingdao, China

Isobaric Energy Recovery Devices to Substantially Decrease Energy Consumption and Operational Costs of 100,000 m³ (26.4 Million Gallons) Seawater Desalination Plant to Serve More Than 500,000 People

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 industry-leading PX Pressure Exchanger(TM) (PX(TM)) isobaric energy recovery devices will be implemented at the large seawater reverse osmosis (SWRO) desalination facility to be built by Befesa in Qingdao, China.

Energy Recovery's PX devices will significantly reduce the energy consumed by the reverse osmosis (RO) process in the Qingdao plant by enabling cost-effective, energy-efficient delivery of 100,000 m³ (26.4 million gallons) of potable water per day to more than 500,000 people. The Qingdao plant is Befesa's seventh massive RO plant to incorporate Energy Recovery's technology, as PX devices are currently implemented at facilities in Chennai, India, Bajo Almanzora, Spain, and four major plants in Algeria.

"While desalination represents a long-term solution to global water scarcity, the water produced must be affordable for it to be a viable, sustainable option. That is why Befesa continues to work with Energy Recovery Inc to implement its innovative PX devices to significantly reduce the lifecycle costs of the desalination process," said Carlos Cosin, international director with Befesa. "We have worked with Energy Recovery on several global mega-projects, and continue to be impressed with the reliability, efficiency and overall performance of its PX technology. We anticipate similar success in the Qingdao facility and look forward to continuing our partnership with Energy Recovery to meet the increasing worldwide demand for desalination."

The Qingdao desalination plant is expected to be operational by the end of 2012, and will save more than 2,000 kW of energy and offset more than 10,000 tons of CO₂ annually with Energy Recovery's PX devices. It will be the second large-scale potable water facility in China to include PX technology. Energy Recovery's solutions are in the majority of small to medium-sized RO plants throughout China.

"Befesa has constructed many impressive RO desalination facilities throughout the world, and Energy Recovery's PX devices continue to help these plants affordably deliver potable water," said Borja Blanco, executive vice president of Energy Recovery Inc. "We look forward to working with Befesa on the Qingdao project as part of our continued success in

China as the country ramps up construction of RO desalination facilities."

ERI's PX devices operate at up to 98 percent efficiency and reduce the energy consumption of SWRO systems by up to 60 percent, making desalination a cost-effective solution for clean water supply. PX devices also reduce the carbon footprint of desalination, saving more than 970 MW of energy and reducing CO₂ emissions by more than 5.2 million tons per year worldwide. More than 8,600 PX devices are currently deployed or under contract to be installed at desalination plants around the globe. For more information about Energy Recovery's PX Pressure Exchanger technology, visit www.energyrecovery.com or send an email to info@energyrecovery.com.

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. The company is headquartered in the San Francisco Bay Area with offices in Detroit and 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