

Energy Recovery Unveils Next Generation Pressure Exchanger Designed for the World's Leading Desalination Plants

- New PX Q650 delivers the highest capacity and best performance of any energy recovery device on the market, enabling the lowest specific energy consumption, fewer devices, and smaller footprint for large-scale seawater desalination projects
- Industry-leading warranty enhancements double performance and durability coverage across Energy Recovery's high-pressure PX® Pressure Exchanger® (PX) models

SAN LEANDRO, Calif.--(BUSINESS WIRE)-- Energy Recovery (Nasdaq: ERII), a global leader in energy-efficient technology enabling affordable, reliable water and reduced emissions, today announced the launch of the [PX Q650 Pressure Exchanger](#), a next-generation energy recovery device (ERD) designed to meet the scale, efficiency, and reliability requirements of the desalination industry. The Q650 represents the next evolution of Energy Recovery's PX Pressure Exchanger, delivering higher flow capacity and efficiency with lower mixing, all while maintaining the durability and reliability customers know and trust.

Like all PXs, the Q650 is based on Energy Recovery's proven isobaric design, featuring only one moving part made from highly durable alumina ceramic. This simple design has a 30-year design life, requires no scheduled maintenance, delivers an exceptionally low lifecycle cost, and can reduce a plant's reverse osmosis energy use by up to 60%. [Published performance data](#) show that PX Pressure Exchangers deliver the highest uptime of any ERD in large-scale desalination plants.

PX Q650 Benefits

- **Highest Capacity on the Market:** Flow range from 250 to 650 gallons per minute (gpm), representing a 63% increase in peak flow capacity versus the PX Q400 and enabling fewer devices per train and a smaller ERD array footprint.
- **Ultra-High Efficiency and Ultra-Low Mixing:** Peak efficiency of up to 99% and volumetric mixing as low as 2%, resulting in the lowest specific energy consumption on the market.
- **Wide Operating Flexibility:** The highest turndown ratio available.

"The PX Q650 sets a new performance standard for large-scale desalination," said Rodney Clemente, Senior Vice President of Water at Energy Recovery. "It builds on decades of proven pressure exchanger performance while delivering the capacity, efficiency, and reliability today's large projects demand. With the Q650, customers have a highly scalable energy recovery solution that reduces operating costs and long-term project risk."

Warranty Program Enhancement

Alongside the launch of the PX Q650, Energy Recovery is enhancing its product assurance program by doubling ceramic component and performance warranties for [high-pressure desalination pressure exchangers](#) sold and shipped on or after March 9, 2026. Enabled by the PX's simple design and long operating life, these enhancements provide additional assurance for desalination plants using high pressure PXs.

Under the expanded program:

- Ceramic components are now backed by a 10-year industry-leading warranty
- PX device performance is now backed by a 4-year industry-leading warranty (from shipment)

PX Q650 product specifications are available in [Power Model Pro](#), Energy Recovery's configuration tool to help designers plan and select products for their reverse osmosis systems.

About Energy Recovery

Energy Recovery (Nasdaq: ERII) designs and manufactures world-class energy-saving technology for critical infrastructure that communities rely on every day, driving a more resilient and sustainable future. Grounded in more than 30 years of leadership in the desalination industry, today we use our proprietary pressure exchanger technology to help customers in multiple industries improve their operations and lower their emissions. Headquartered in the San Francisco Bay Area, we operate manufacturing and R&D facilities throughout California, with sales and on-site technical support available globally. For more information, please visit energyrecovery.com.

Forward Looking Statements

Certain matters discussed in this press release are "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These forward-looking statements are based on information currently available to us and on management's beliefs, assumptions, estimates, or projections and are not guarantees of future events or results. Potential risks and uncertainties and any other factors that may have been discussed herein regarding the risks and uncertainties of the Company's business, and the risks discussed under "Risk Factors" in the Company's Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC") for the year ended December 31, 2025, as well as other reports filed by the Company with the SEC from time to time. Because such forward-looking statements involve risks and uncertainties, the Company's actual results may differ materially from the predictions in these forward-looking statements. All forward-looking statements are made as of today, and the Company assumes no obligation to update such statements.

View source version on businesswire.com:

<https://www.businesswire.com/news/home/20260309891390/en/>

Press Inquiries

pr@energyrecovery.com

Investor Inquiries

ir@energyrecovery.com

Source: Energy Recovery