

PRIME PERFORMANCE ENERGY SERVICES AGREEMENT (ESA)

Energy Recovery's Performance Promise at Zero Upfront Cost*

Energy Recovery's Prime Performance ESA is the only product on the market that allows customers to upgrade their RO high-pressure pumping and energy recovery systems virtually risk free with no upfront capital*, promising actual efficiency savings in one all-inclusive solution.

What do you get with the Prime Performance ESA?

- PX® Pressure Exchanger® – designed to be the most efficient, durable and reliable energy recovery device on the market
- A comprehensive “turn-key” solution, customized to maximize plant savings – can include pumps, piping, ancillary equipment (flowmeters, valves, etc.)
- Energy Recovery's performance promise – solution paid for with actual efficiency savings
- Includes all routine maintenance and installation costs* – parts and labor
- A true partner – Energy Recovery will be with you for the life of the energy service agreement term

Total Savings

Customers pay for the solution with a portion of the actual efficiency savings generated by the Prime Performance ESA. Savings can include:



Operational Savings


- Reduced plant-specific energy consumption
- Reduced maintenance and repair costs
- Reduction in CO₂ emissions
- Productivity improvements such as increased uptime and increased plant throughput



Financial Savings

- Avoidance of CAPEX investment costs and associated depreciation expense
- Principle and interest
- Taxes

*Customer is only responsible for site preparation for efficiency solution



What are the advantages of Prime Performance ESA?

- ESA payments treated as an operating expense – no balance sheet impact
- Zero upfront capital cost* so customers can invest capital in their core business
- Routine equipment maintenance and upgrades included
- Access to the next generation of PX technology

Leveraging Energy Recovery's Technical Expertise:

Energy Recovery will ensure the optimal energy recovery and pumping solutions are seamlessly integrated into your plant, including:

- Design of fully-integrated solution (energy recovery, pumps and ancillary equipment designed to maximize efficiency savings and performance)
- Projections for and measurement of total actual savings
- Sourcing all required equipment for “turn-key” solution
- Scheduling and fulfillment of maintenance and repairs

Tap into Energy Recovery's decades of RO desalination expertise to deliver maximum performance to your plant throughout the length of the energy service agreement term.

PX Prime™ – The Industry's Best Energy Recovery Solution

The PX Prime is the latest advancement in Energy Recovery's award-winning PX Pressure Exchanger line, and it is the most advanced energy recovery device for desalination available on the market. Available through the Prime Performance ESA, the PX Prime has been engineered to perform with enhancements across a variety of factors to generate optimal savings.

PX Pressure Exchanger Benefits

- Less Fluid Mixing – Projected salinity increase at the membranes of 1%
- Greater Capacity – Maximum allowable flow through the PX device of 330gpm
- Industry-Leading Efficiency – PX Prime achieves the above improvements with 98% peak hydraulic efficiency