

ENERGYOUT™



Often, plants are looking to increase their steam boiler efficiency but do not have a sufficient capital equipment budget for a new Reverse Osmosis (RO) system. To meet this need, Kurita America has created EnergyOUT, a complete integrated solution available through an operating lease. This alternative solution includes equipment, standard service, and chemicals (including consumables) for a set, monthly cost.

KURITA AMERICA ADVANTAGE



ENERGYOUT RO PRE-TREATMENT PLATFORM INCLUDES

- A complete, custom sized RO
- Carbon filtration & prefilters to protect the RO membranes
- RO product water storage tank with level controls and forwarding pump
- Built to accommodate softened water bypass with automatic controls, if necessary
- Planned maintenance and warranted repairs
- pH adjustment of the RO permeate to prevent corrosion
- RO built with a VFD controlled pump and with low energy membranes to reduce electric consumption

TARGETED INDUSTRIES

- Automotive
- Commercial & Institutional
- Food & Beverage
- General Manufacturing
- Healthcare

Direct Energy Savings

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Enhance Sustainability

In addition to fuel savings, Kurita America's EnergyOUT program lowers a facility's freshwater demand, energy utilization, chemical consumption and carbon footprint. As many companies seek to lower their environmental impact and promote sustainability, EnergyOUT is an easy first step towards reaching these goals.

Improve Steam Quality

With steam boilers using RO permeate as makeup water, the risk of solids carryover from the boiler system into the steam distribution piping is greatly decreased. Combined with the additional benefits of lower chemical consumption and increased boiler water quality, the EnergyOUT program increases steam purity throughout the plant.

Reduced Maintenance & Expenses

Standard with the EnergyOUT program, all routine maintenance and repairs are included. This means no unexpected costly repair expenses to limited maintenance staff availability or trouble locating needed parts. Our regular field visits and annual system audits provide peace of mind to you, your operators and staff.

HOW MUCH COULD ENERGYOUT SAVE YOU?

EnergyOUT enhances plant sustainability by lowering fuel demand, carbon emissions, chemical use and water discharge.

- **Average total savings per year: \$43,637**
- **Average gallons of boiler MU water saved per year: 3,619,816**
- **Average fuel savings per year: \$29,355**
- **Average MMBTU saved per year: 5,427**
- **Average CO₂ reduction per year: 543,142 Tons**

