

EVERPURE®

GO GREEN AND REDUCE COSTS BY CONTROLLING WATER QUALITY

The Link Between Water and Utility Costs

A foodservice location uses a significant amount of water, which can directly result in increased utility costs. Water bills and electricity bills are actually linked expenses. Water quality, specifically high levels of hardness and TDS, can cause inefficiencies in equipment that either heats or cools water.



This image shows the heating element inside a boiler-based steam oven. As little as a 1/4" of scale buildup can decrease energy efficiency by nearly 40%. Imagine a typical combi oven that costs \$1,500 a year in electricity: a 30% reduction in efficiency, due to poor water quality, could mean up to \$450 in wasted electricity annually on one piece of equipment. Furthermore, it's not just the oven that may be increasing costs, but inefficiencies in coffee, espresso and ice equipment as well.

SCALE THICKNESS	INCREASE ENERGY CONSUMPTION
1/32"	8.5%
1/16"	12.4%
1/8"	25.0%
1/4"	40.0%



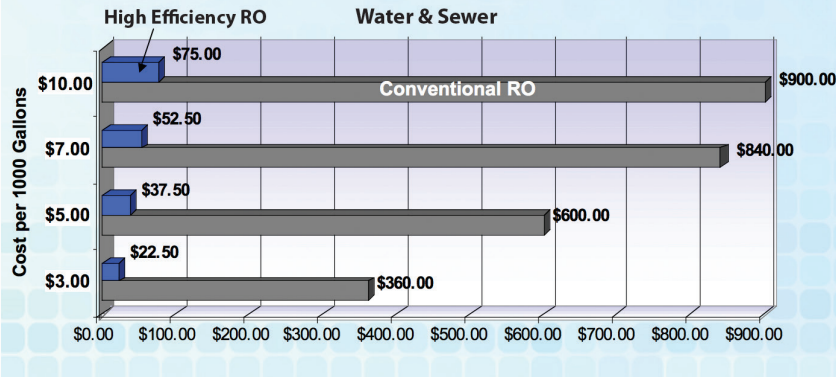
Water Footprint and Reverse Osmosis

Reverse Osmosis (RO) is an excellent technology for controlling water quality. By using RO, a chain operation can ensure consistent drink quality over many locations, or nearly eliminate the potential for scale buildup on equipment that either heats or cools water.

However, traditional RO systems can also have a downside: water waste. In order to ensure the best quality water is delivered to the appliance, the RO has what is termed "reject water." The ratio of reject water can be as high as 4 gallons for every 1 gallon of usable water.

This waste not only affects a company's water bill, it also affects the sewage bill. Although seemingly small when looking at a price per gallon, a company's waste water costs can quickly rise when compared over a year of operation. A store that uses 500 gallons of RO water per day can save hundreds, if not thousands, over the course of a year by considering a high-efficiency RO solution.

MONEY DOWN THE DRAIN



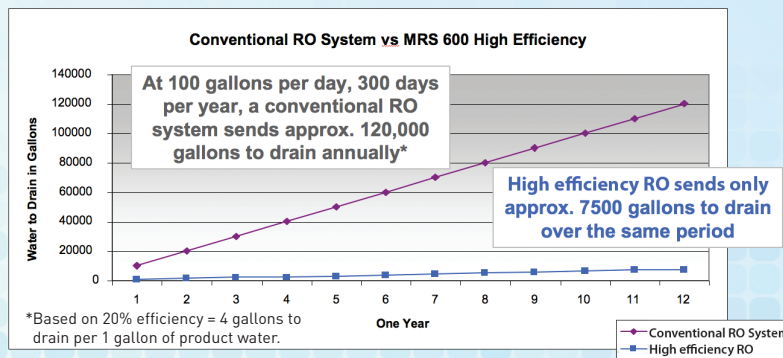
At a water and sewer charge of \$5.00 per 1,000 gallons, a store would save approximately \$562.50 annually.

Key Lessons

1. Water is a significant portion of the carbon footprint equation.
2. Controlling water quality minimizes energy usage.
3. Using RO may be needlessly wasting water.

To learn more about the business benefits of improving water quality, contact Pentair Everpure.

WATER SAVINGS ADD UP



WATER QUALITY SYSTEMS

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