

Stackable EcoVolt Reactors use a bioelectrically enhanced treatment system to clean over 20,000 GPD of high-strength spent brewing water each while generating high-quality, renewable biogas

High-quality, renewable biogas is scrubbed of contaminants and burned in microturbines to produce clean electricity and clean heat

Equalization tanks normalize the flow, pH, temperature, and concentration of the high-strength spent brewing water prior to the Headworks

A biogas flare is used as a safety measure in emergency situations

The EcoVolt Headworks houses integrated controls for the whole system, conditions the spent brewing water, handles process automation, and enables remote operation

The hot water tank holds the hot water heated by the microturbines while the other tank mixes low-strength spent brewing water from the brewery with EcoVolt Reactor effluent and normalizes flow before the Reuse System

The EcoVolt MBRs, designed to be the most energy efficient membrane bioreactors on the market, process over 70,000 GPD each, further polishing the water

The EcoVolt Reuse Container houses a high-efficiency reverse osmosis (RO) skid, power distribution for the Reuse System, and integrated controls for the whole system

THE ECOVOLT SOLUTION...

- » Removes >99.9% of Contaminants in the Spent Brewing Water
- » Cuts the Facility's Total Water Demand by >40%
- » Reduces the Facility's Total Water Discharge Volume by >70%
- » Supplies Energy to Run Itself and Sends Excess to the Brewery
 - » EcoVolt Reactors Generate 15% of the Brewery's Electrical Demand
 - » EcoVolt Reactors Generate 7% of the Brewery's Heat Demand
- » Eliminates Over 1,600 Metric Tons of CO₂ per Year



Scan this QR code with your phone or tablet for a more detailed look at the EcoVolt Solution

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