VIRTUAL TOUR OF THE ECOVOLT SOLUTION
The EQ tank normalizes the flow to the EcoVolt Reactor(s) or MBR(s) to maximize performance.
The Headworks handles process automation, enables remote operation, and optimizes energy efficiency.

The Headworks, a 40' ISO container, is designed to operate up to 6 EcoVolt reactors in parallel.

Pumps and controls housed in the Headworks distribute the wastewater to the reactors for treatment.
High-quality biogas from the reactor(s) can be used to generate renewable heat and/or electricity on site.

Each reactor is designed to process between 15,000 and 40,000 GPD.

The reactors gather real-time diagnostic data on the performance and health of the system, allowing Cambrian to maximize operational efficiency and system automation.

The **53’ X 8.5’ ECOVOLT REACTOR** is the first and only bioelectrically enhanced wastewater treatment system in the world.

**CO₂** and **CH₄ (METHANE)**

**REMOVES OVER 85% OF BOD**
If necessary, natural gas can be blended with the biogas to ensure low cost electricity production 24/7/365.

CHP units already CARB approved and need no further permitting before installation.
AN 18’ TOWER WITH A 2’ DIAMETER
DESIGNED TO FLARE OFF EXCESS BIOGAS PRODUCED BY THE ECOVOLT REACTOR(S)

The biogas flare, powered by a solar panel, is a safety measure only used in emergency situations.

RATED TO 100% SMOKELESS
OVER 98% DESTRUCTION EFFICIENCY
The 53’ x 8.5’ EcoVolt MBR is designed for low-energy aeration and ultrafiltration.

Removes over 99% of BOD and TSS.
Each reactor processes over 70,000 GPD.

After the installation’s final polishing steps, numerous water reuse applications are available.
FLEXIBLE LAYOUT
SMALL FOOTPRINT
ALL ECOVOLT PRODUCTS ARE MODULAR, STACKABLE, AND MOVEABLE
BEAR REPUBLIC BREWING CO.
ECOVOlt INSTALLATION

1X EQ TANK
1X ECOVOLT HEADWORKS
1X BIOGAS FLARE
1X HEAT RECOVERY UNIT
1X 30KW MICROTURBINE
1X 65KW MICROTURBINE
2X ECOVOLT REACTORS
LAGUNITAS BREWING CO.
ECOVOLT INSTALLATION

2X EQ TANKS
1X BIOGAS FLARE
1X ECOVOLT FLARE
2X 65 KW MICROTURBINES
3X ECOVOLT REACTORS
2X ECOVOLT MBRs*
1X ECOVOLT REUSE TANK

*At full capacity there will be 3x EcoVolt MBRs