



OVERVIEW

Seeking advanced ESG and water treatment solutions, AquaRev Water engineers were introduced to the Turtle Bay Resort, Director of Engineering in 2021. The AquaRev Water device capabilities were presented to Engineering and Management including technology overview, patents, laboratory and performance reports. Even with the installation of new, state-of-the-art water treatment plants at the property the initiative to implement sustainable and effective cost savings solutions along with heightened compliance standards with local government water treatment and conditioning for commercial pool operations were paramount factors. A pilot program was approved and implemented.

Pre-Installation & Baselines Data:

Baselines water treatment logs, water conditions and energy use data were collected in-house by Engineering prior to the installation of the AquaRev Water devices.

Installation:

The pilot program included installation of a 2"- AquaRev Water device, one of pools with 32,000 gallons, at the property in 2021. AquaRev Water engineers also recommended pump flow reduction while maintaining US Department of Health cycle requirements and, with Engineering installed a data logging device on the pump systems.

Post-Installation & Data:

After the pilot period, the in-house data logs were collected from Engineering and compared to the pre-installation baseline data and expense invoices from 3 prior years provided by the in-house accounting staff. The property installed AquaRev Water devices for all pools and spas on the property after the pilot program.

Quantitative Cost / Use Reduction Results:

- 70%** Water Loss Reduction
- 30%** Salt Reduction
- 50%** Sodium Bicarbonate Reduction
- 43%** Acid Reduction
- 20%** Energy-Use Reduction
- 68%** Operating Cost Reduction

Turtle Bay Resort - Management published the results in the 2023 ESG Management Report.

Qualitative Results:

The property has enjoyed crystal clear, clean, softer water and operating efficiencies. Prior to AquaRev Water devices Engineering stated that it was regularly required to shut down, drain, clean, refill, pools and reheat the hot tubs on the property due to water conditions and/or guest satisfaction complaints. After installation, this procedure was no longer necessary, allowing them to keep all facilities open and operating year round without down-time. The Resort reported that service recovery compensation issued to guests due to pool/spa related incidents had been eliminated.

“Thank you again, we are still seeing savings since installing AquaRev.”
Dir. of Engineering - Turtle Bay, Oahu, HI



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