



BANYAN WATER®

CASE STUDY

HP Inc.'s Palo Alto campus saves millions of gallons of water with Banyan Water's Irrigation Insight[®]

Silicon Valley leader taps into smart water technology to reclaim value from recycled resources

HP Inc.'s (HP) vision is to create technology that makes life better for everyone, everywhere. A Silicon Valley original located in the heart of Palo Alto, California, HP makes it a priority to reduce the environmental impact of its business. According to the company's [2018 Sustainable Impact Report](#), "a growing number of [HP's] customers, consumers and employees are passionate about the environment and social justice, and they expect companies like [HP] to lead with purpose." In the same report, HP details its three-pronged sustainable impact strategy that aims to "create lasting, positive change for the planet, [its] people and communities" and a series of robust goals that include a focus on reducing GHG emissions intensity, achieving zero deforestation associated with HP brand paper and paper-based product packaging, and increasing the use of recycled materials in its products.

HP has also set high standards for utilizing renewable and recycled resources. This includes a goal to "reduce potable water consumption in global operations by 15% by 2025."

In HP's search to meet its water reduction goals, the company found Banyan Water's Irrigation Insight[®] solution. The software's predictive analytics, significant savings and comprehensive monitoring capabilities not only supported HP's reduction strategy, but also nimbly adapted to HP's water reclamation system operated by Stantec, a leading global design and engineering firm.

15 percent

HP's reduction goal for potable water consumption by 2025

Property Details:

- Located in Palo Alto, California
- 450,000 square feet of turf
- 3 unique water sources





Irrigation Insight® Enables Comprehensive Water Monitoring Across Three Sources

Banyan Water's unique, IoT-based Irrigation Insight® software optimizes HP's irrigation usage from three sources: City of Palo Alto irrigation water, City of Palo Alto domestic water and onsite reclaimed water. Banyan's data-driven software monitors water usage from each source daily to maximize available recycled water and to minimize domestic water costs, which can reach upwards of four times the cost of recycled water.

By implementing IoT technology into Stantec's onsite recycling facility—which enables HP to pull significantly cheaper groundwater into its facility-wide water system—Banyan's software regulates and manages tank levels to ensure that low-cost recycled water is utilized first, followed by irrigation water, then domestic. If water levels in the reclaimed tank diminish, Banyan's predictive analytics will identify irrigation actions (such as foregoing an overnight watering session) that enable the tank to refill without compromising HP's landscaping.

RESULTS: MILLIONS OF GALLONS OF SAVINGS

Since the implementation of Banyan's total water management software in 2017, HP has saved more than three million gallons of irrigation water on its Palo Alto campus, a 42% reduction compared to prior usage. Banyan's real-time leak detection capabilities have also detected more than 20 leaks on HP's campus, preventing millions of gallons of additional water waste.

HP's opening remarks in the company's 2018 Sustainable Impact Report state that "...together with [its] partners, [HP] will lead a sustainability revolution fueled by technology." Through its work on HP's Palo Alto campus, Banyan Water has contributed to HP reaching 40% of its global potable water consumption reduction goal in 2018.

Interested in learning more about Banyan's total water management technology? Contact us [here](#).

“Water is a crucial component of HP’s sustainability roadmap. We needed a tool that could do more than simply track and monitor utility costs. We sought a solution that could maximize our available water resources while delivering clear, measurable savings. Banyan Water provides our facility management team with real-time water usage data and immediately puts it into action. Together we’ve saved millions of gallons and significantly advanced our global water reduction goals.”

—Lisa Prosch, facilities manager at HP Inc.

3 million
Gallons of water saved

20+
Leaks detected and prevented