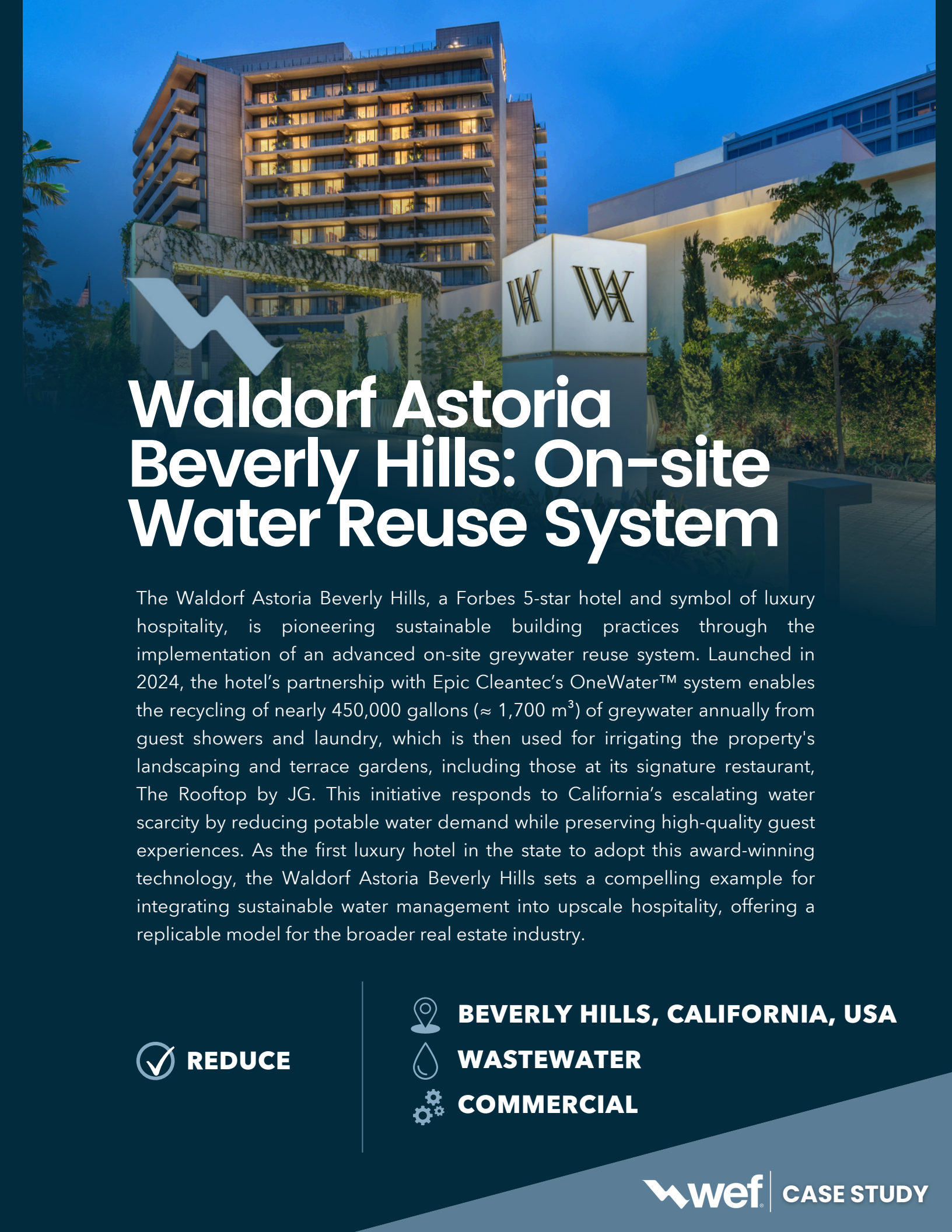




Waldorf Astoria Beverly Hills: On-site Water Reuse System

The Waldorf Astoria Beverly Hills, a Forbes 5-star hotel and symbol of luxury hospitality, is pioneering sustainable building practices through the implementation of an advanced on-site greywater reuse system. Launched in 2024, the hotel's partnership with Epic Cleantec's OneWater™ system enables the recycling of nearly 450,000 gallons ($\approx 1,700 \text{ m}^3$) of greywater annually from guest showers and laundry, which is then used for irrigating the property's landscaping and terrace gardens, including those at its signature restaurant, The Rooftop by JG. This initiative responds to California's escalating water scarcity by reducing potable water demand while preserving high-quality guest experiences. As the first luxury hotel in the state to adopt this award-winning technology, the Waldorf Astoria Beverly Hills sets a compelling example for integrating sustainable water management into upscale hospitality, offering a replicable model for the broader real estate industry.



BEVERLY HILLS, CALIFORNIA, USA



WASTEWATER



COMMERCIAL

ONE Water



CHALLENGES FACED

The implementation of the OneWater system faced several challenges, including overcoming the underperformance of a previous system with water quality issues and odors. Epic Cleantec had to rebuild trust, retrofit the new system within tight spatial constraints, and meet the hotel's high aesthetic standards by transforming the system room into a sophisticated, showcase-quality space that aligned with the brand's elevated expectations.

TECHNOLOGIES & SOLUTIONS USED

The OneWater system is designed for zero-odor operation and uses advanced multi-stage treatment, including biological stabilization, membrane filtration, and disinfection, to purify greywater from showers and laundry. The water is reused for non-potable applications like landscape and rooftop garden irrigation. With real-time sustainability metrics through the Eco-Insights Dashboard, the installation minimizes maintenance while aligning seamlessly with the hotel's operations.

IMPACT & INSIGHTS



The hotel's greywater system captures and recycles over 1,200 gallons per day from guest showers and laundry facilities, reducing reliance on potable water sources.

Key Benefits:

- Reclaimed water is used exclusively for landscape irrigation, including ground-level plantings and rooftop gardens surrounding the rooftop restaurant.
- The system offsets approximately 32% of the hotel's total non-potable irrigation demand.
- The system delivers annual utility savings projected in the five-figure range.

LESSONS LEARNED



- Engage stakeholders early, especially for retrofits, to build confidence, fix past errors, foster collaboration, and ensure shared success.
- Include engineering, operations, and marketing teams from the outset to align technical feasibility with guest experience and brand strategy.
- Early involvement of marketing and communications can elevate the system as a guest-facing sustainability feature and brand differentiator.
- Prioritize detailed room planning to reduce complexity during implementation and avoid costly redesigns.

“A truly great water reuse project is one that not only delivers lasting value to operators and owners, but also inspires guests. Achieving this requires not just robust technology, but intentional design, thoughtful storytelling, and seamless cross-functional collaboration from the very beginning.”