Sustainable Water is committed to changing the landscape of water resource management through on-site reclamation and reuse. Our commercial-scale water recycling systems (WaterHubs) reduce water supply risk, save millions of dollars in utility costs, and improve environmental stewardship. Through innovative performance financing, our turn-key projects can be designed, built and operated at no upfront capital expense to our clients.

From industrial parks to college campuses, custom WaterHub systems are suitable for any wastewater treatment or reuse application. Through ecological design, Sustainable Water develops highly efficient wastewater recycling systems tailored to each client’s unique site, design, flow and water quality requirements. With flexible site integration and an aesthetically-pleasing, odorless design, the WaterHub provides a sustainable water management solution for any industry or setting – urban or rural, off the grid or on.

Hydropic systems involve a series of interconnected bio-reactors with lush vegetation growing above them. Plant roots extend into the reactors to provide a natural habitat for fixed-film biological growth. The fill and drain process naturally creates anaerobic, anoxic and aerobic environments that help break down waste through controlled microbial processes, such as nitrification and denitrification. By mimicking tidal principles (bio-mimicry), these systems achieve the lowest energy footprint of any engineered wetland system capable of producing reclaimed water quality.
HEAT & POWER: Large steam and power plants require extensive water demands for boiler makeup and cooling.

COOLING TOWERS: Cooling towers evaporate large volumes of water for commercial air conditioning needs, accounting for as much as 60% of a building’s total water footprint.

IRRIGATION & LANDSCAPE: Universities and large campuses can use up to 30% of their total water footprint on irrigation and landscaping.

TOILET FLUSHING: Nearly 1/3 of all water used indoors goes to toilet flushing in commercial spaces.

RESILIENCE THROUGH REUSE

• Redundant (N+1) water supply for non-potable demands
• Back-up water storage, holding capacity
• Consistent, alternative water supply for drought resilience

RISK MITIGATION

• Decrease water and sewer costs
• Reduce effluent (high strength wastewater) surcharges
• Insulate against rising water and sewer rates
• Reduce operational costs of existing wastewater treatment operations

FINANCIAL SAVINGS

• Energy-efficient ecological treatment technologies
• Eliminate wastewater discharge, net zero discharge
• Decrease clean water diversion from sensitive ecosystems
• Reduce groundwater withdrawals

ENVIRONMENTAL RESPONSIBILITY

• Protect stressed community water supplies
• Reduce impact on public water and sewer infrastructure
• Opportunity for immersion learning, research and outreach

SOCIAL RESPONSIBILITY

• Decrease water and sewer costs
• Reduce effluent (high strength wastewater) surcharges
• Insulate against rising water and sewer rates
• Reduce operational costs of existing wastewater treatment operations

POTABLE WATER TREATMENT PLANT

WATER TREATMENT PLANT

Treated reclaimed water is reused for non-potable demands such as utility operations and irrigation, minimizing potable water use on-site.

Water is mined directly out of the existing sewer network, reducing the amount of wastewater sent to receiving conveyance and treatment infrastructure.

Reduced effluent helps natural waterways by contributing fewer pollutants to streams, waterways and the environment.

www.sustainablewater.com
WATER PURCHASE AGREEMENT
Sustainable Water offers turn-key project financing opportunities through a Water Purchase Agreement (WPA). Similar to a Power Purchase Agreement, a WPA is a financing vehicle that allows Sustainable Water to fully construct and operate water reclamation systems at no capital expense or development risk to the end user. Under a WPA, Sustainable Water assumes all maintenance and operational responsibilities as well as all permitting requirements, bonding, construction risk and performance liabilities. Water savings produced by the project are used to pay off the cost of the facility over time; meanwhile, the end-user receives substantial guaranteed savings beginning Year-1 of operations. The agreement is highly flexible and can be tailored to any client’s financing criteria.

1. FEASIBILITY & PLANNING
2. ENGINEERING & DESIGN
3. CONSTRUCTION
4. COMMISSIONING & START-UP
5. FACILITY OPERATIONS

WATER PURCHASE AGREEMENT
- Assumes all Development & Construction Risk
- Includes all Operating Expenses
- Guaranteed Cost Savings Year-1
- Millions of Dollars in Lifecycle Savings

ZEROCAPITAL EXPENSE AND DEVELOPMENT RISK T O T H E E N D U S E R

INNOVATIVE PERFORMANCE FINANCING
NATURE’S IDEA. OUR SCIENCE.

Sustainable Water is a leading provider of commercial-scale water reclamation and reuse solutions across the United States. Our ecologically-driven solutions bring together teams of experts who have built hundreds of high-profile, innovative, multi-million dollar projects. Sustainable Water provides impactful water management solutions that minimize risk, maximize financial savings and enhance environmental stewardship. Utilizing innovative performance financing vehicles, we provide turn-key project development services at no capital cost to our clients.

Sustainable Water’s team has over 75 years of combined experience in biological and process water treatment, water-based heat transfer, and central utility plant operations. Our diverse team of engineers, planners and technology specialists has first-hand knowledge of impactful water and energy management strategies. Sustainable Water is changing the paradigm for water and wastewater management – expanding sustainable and impactful water conservation and reuse solutions to new markets.