



WASTEWATER

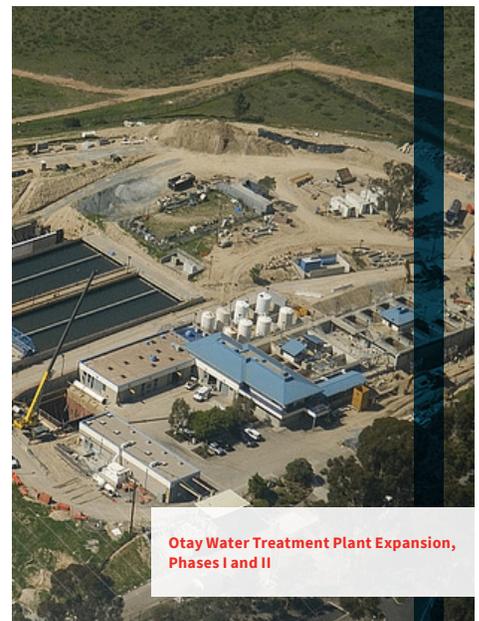
Wastewater systems must be resilient, dependable, and economical. With specialized expertise in every stage of development, Harris & Associates helps transform limited resources into solutions that check all the boxes.

Harris started in 1974 with a wastewater project. Since then, we have replaced, repaired, and rehabilitated over 300 miles of wastewater pipeline; replumbed more than 100 sewers in California; and developed over 50 trenchless alternatives. We excel at helping agencies plan, fund, implement, and promote their essential wastewater projects.

Planning to Succeed

From the beginning, Harris positions your agency to properly define and overcome its biggest challenges. Our end-to-end support includes strategic analysis, needs assessments, master planning, program management, regulatory and environmental compliance, and leadership around risk and resilience. Harris even assists with succession strategies and operational planning as senior personnel retire en masse.

Identifying problems and solutions is only one part of the puzzle. As funding for upgrades remains limited, Harris explores all options to pay for your critical infrastructure, including water rates studies, grants, state revolving fund loans for capital improvement projects, and more. Winning public support for your projects is also a priority in our planning and funding strategies.



Smart Engineering at Work

Our team has decades of experience in designing, rehabilitating, and building large conveyance systems. We continue to adapt our infrastructure solutions based on modern realities of climate change and extreme weather events.

Pipeline design, pump stations, collection system design, and chemical feed systems are just a few of Harris' engineering strategies. In alignment with the U.S. Water Alliance's One Water approach, we strive to give communities safe access to life's most essential resource.



Monterey City-Wide Pump Station and Collection Sewer Program

City of Monterey

Monterey, CA

Harris & Associates is bringing to Monterey a specialized program management team to bolster city staff for the city-wide pump station and sewer rehabilitation project. With combined design and construction management services, Harris is helping Monterey minimize disruptions and meet tight deadlines on this three-year, \$16.8 million project. The project is funded by a state revolving loan which involves the evaluation and rehabilitation of more than 70,000 feet of sewers, 431 manholes, and seven pump stations.

Easterly Wastewater Treatment Plant Tertiary Project Denitrification and Filtration Improvements

City of Vacaville

Vacaville, CA

Harris performed a biddability/constructability review for Phases 1 and 3 of the program. The team provided construction management services on both projects within the program, including a \$22.5 million construction project to prepare the plant for denitrification and a filtration process with a construction cost of \$50.5 million.

DRINKING WATER

WASTEWATER

STORMWATER

WATER REUSE

925.827.4900

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Harris partners with public agencies to enhance their communities.