



Program & Construction Management

Recent Experience - Water

PMCM Recent Experience

Stantec Program Management and Construction Management offers clients customized, proven approaches to deliver consistency, control, governance, and transparency across the entire program lifecycle—saving time and money.

For over 40 years, we have delivered on thousands of complex major capital and operational projects in a diverse range of sectors.

Water

Global experience scaled to meet your global community's water needs.

Cities are facing increasing demands from growing populations, aging infrastructure, regulatory drivers, and climate change. Large water programs and mega projects are becoming more and more critical and common to address these needs. As utilities and organizations manage increases in infrastructure spending, they must also deliver projects and initiatives within tight schedules and budgets.

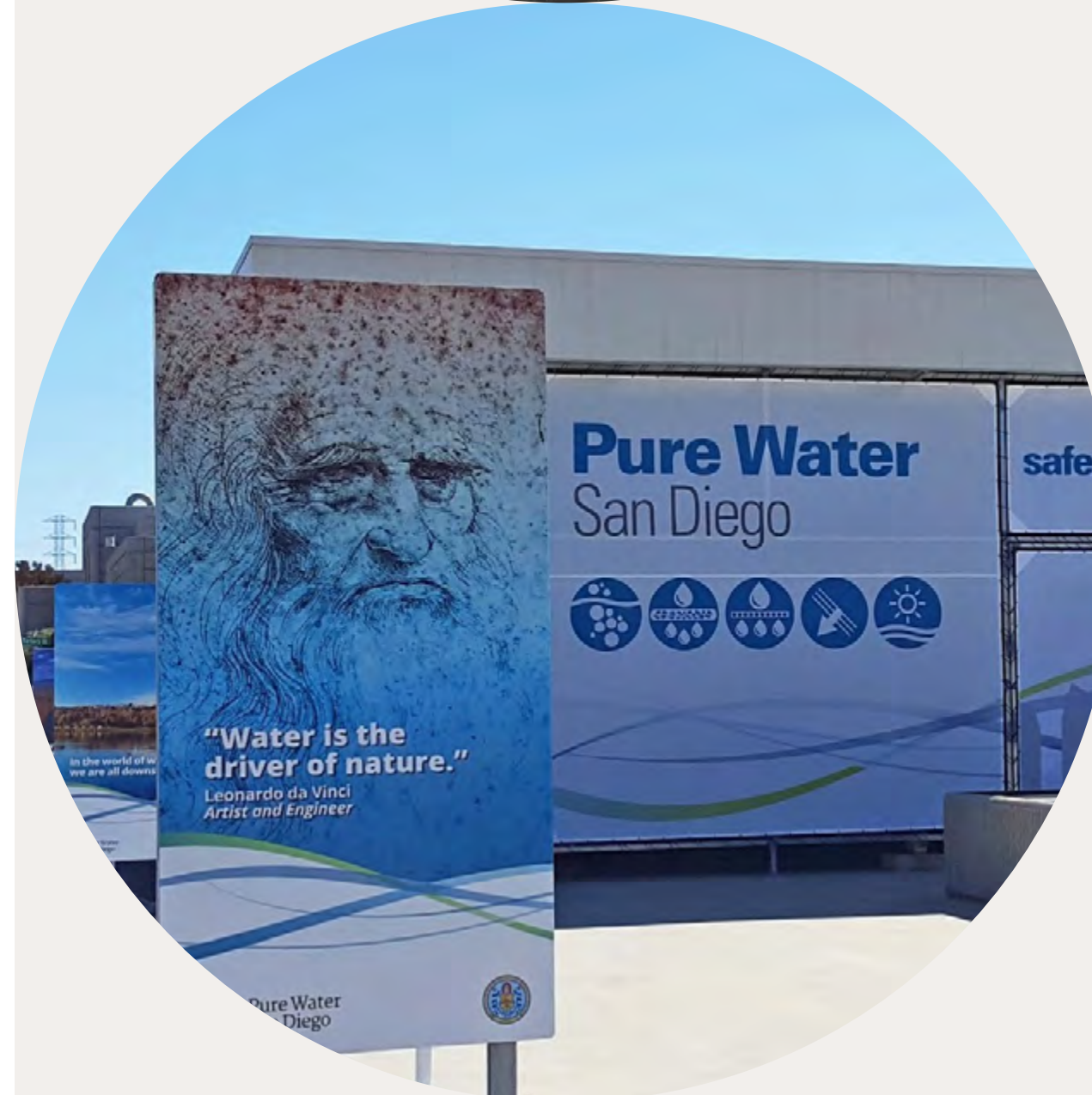


Pure Water San Diego Program

City of San Diego
San Diego, California

Increasing San Diego’s resilience and water reliability via the first potable reuse surface water augmentation project in California.

The City retained Stantec to provide program management services for the multi-billion-dollar multi-year phased program that uses proven technology to produce a safe, reliable, and cost-effective water supply for the City. The Program will help the City overcome its water challenges by transforming the City’s water system into a complete water cycle that maximizes use and reuse of the City’s water supply. At full implementation, the Program will provide up to one-half of San Diego’s water supply locally while reducing the City’s ocean wastewater discharges. The Pure Water Program has gained acclaim as one of the most significant, effective water reuse programs today—the Program and its leadership have been recipients of more than 15 state, national and global awards.



Willamette Water Supply Program (WWSP)

Tualatin Valley Water District/City of Hillsboro/
City of Beaverton (the Partners), Oregon

Delivering a new water supply system to serve over 300,000 residents and some of Oregon’s largest employers for the next 100 years.

Since 2015, Stantec has been providing program and construction management services for the Willamette Water Supply Program (WWSP) in Oregon. WWSP will provide a new, earthquake-resilient water supply by 2026 to the Tualatin Valley Water District, and the cities of Hillsboro and Beaverton, OR (WWSP Partners.) The program includes approximately 30 miles of 48-inch to 66-inch steel water transmission lines, turnout connections to distribution systems, a new water treatment plant with an initial capacity of 60 MGD, and an initial 15 MG of storage.

Stantec’s program services for WWSP include program management, risk management, procurement and contract administration, quality assurance, program controls and document management, design management, construction management and inspection, safety and security management, facility testing and commissioning support, permitting, and public outreach support. Stantec’s construction management and inspection services include more than 20 separate construction projects located in seven jurisdictions. Stantec helped the WWSP Partners receive nearly \$640M of Water Infrastructure Finance and Innovation Act (WIFIA) financing and continues to provide reporting as required by the Environmental Protection Agency (EPA).



San José-Santa Clara Regional Wastewater Facility CIP Program

City of San José Environmental Services Department
San José, California

Addressing rehabilitation needs and increasing operational capacity at one of the largest regional wastewater treatment facilities in the western United States.

The City retained the Stantec Team to support planning and management of their Capital Improvement Plan (CIP), which involves extensive rehabilitation to their regional wastewater facility, as well as the development of new processes and improvements for portions of the existing plant. Our team completed a 120-day rapid mobilization effort, including over 80 workshops and meetings, to set-up needed program tools and processes, forecast resources, and validate 120 CIP projects identified in a prior plant master plan. At present, the co-located Stantec and City integrated team has helped grow delivery of the CIP from less than \$20 million to over \$150 million per year.



Program Management Services Team (PMST)

Department of Watershed Management (DWM),
City of Atlanta, Georgia

Supporting Atlanta's program delivery efforts for over two decades, achieving on-time completion of over 1,100 Consent Decree (CD) milestones and fostering 40% local/small business enterprise participation.

In 2001, the Stantec Team was selected as program manager for the Clean Water Atlanta Program—one the highest-profile CD-driven environmental remediation programs of its kind in the nation. Stantec assisted the DWM in utilizing a risk-based assessment approach to prioritize the rehab and capacity relief projects, reducing CD costs by \$670 million through regulatory negotiations, technical innovation, and efficient project delivery. In 2014, our team added resources to expand our support beyond Clean Water Atlanta to also include program management services for the DWM's overall water, wastewater, and stormwater Capital Improvement Program (CIP) and strategic initiatives, further supporting DWM's goal of becoming a Utility of the Future.

Capital Program Management & Program Controls

Metropolitan Sewer District of Greater Cincinnati (MSD)
Cincinnati, Ohio

Helping successfully deliver one of the largest public works programs in the history of Cincinnati—greatly reducing sewer overflows and their impact on the community.

After successfully serving as construction manager for phase 1 of the Wet Weather Improvement Program (WWIP) to reduce sewer overflows across Cincinnati, Stantec was retained to provide program management and program controls services for Phase 2A and subsequent phases of the WWIP. Our team completed the mobilization and start-up of the Program including the stand-up of an integrated program management office within MSD’s wastewater engineering department— including migrating nearly 185 active capital projects into a new e-Builder based PMIS platform for project delivery. The program is underway with continued emphasis on program delivery and meeting project delivery performance KPIs.



Iona Island Wastewater Treatment Plant (IIWWTP) Program

Metro Vancouver
Vancouver, British Columbia

Improving both water quality and the surrounding marine environment as part of the largest capital program ever undertaken by Metro Vancouver.

The \$9.9 billion (CAD) multi-year program includes construction of a new 500ML/day (132 MGD) tertiary treatment facility together with a range of ecological restoration and off-site works projects that will improve the connection between infrastructure, the community, and the environment. Stantec provides a multi-disciplinary team of resources to deliver a broad range of program management and technical support services. Our team is integrated with Metro Vancouver staff, working together collaboratively to manage the development and implementation of the Program. With a focus on sustainable resource recovery, the upgraded plant will integrate with surrounding ecological restoration efforts and provide economic opportunities for First Nation entities.



Stantec is a global leader in sustainable architecture, engineering, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.

Connect with us

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