

# 2019



## Year in Review Report

The City of San Diego's Pure Water Program started pre-construction activities this year and continues to make great strides in operator readiness, research and building community awareness. This report provides a snapshot of Pure Water's accomplishments and activities that took place in 2019.





# Program Milestones

## January 2019

Nearly 150 people attend the Pure Water San Diego Contractor EXPO to learn about how to bid on Phase 1 contracts.

## February 2019

The Bureau of Reclamation awards the City of San Diego a \$9 million grant through the WaterSMART Program.

## June 2019

Pre-construction activities start at the North City Water Reclamation Plant and future North City Pure Water Facility site.

## June 2019

More than 350 community members attend the third Pure Water Day Open House.

## July 2019

The City of San Diego receives a letter of approval from the Division of Drinking Water confirming that Pure Water can be used as a source for drinking water supply.

## September 2019

Bird Rock Coffee Roasters serves coffee brewed with Pure Water at the WaterReuse Symposium in San Diego.

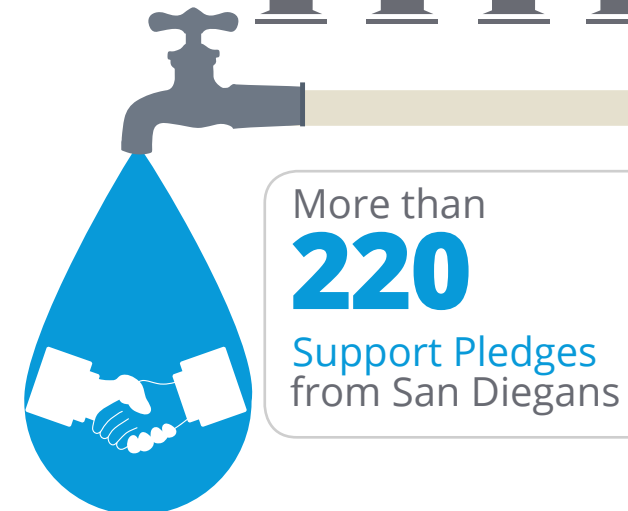
## September 2019

National water organizations recognize the City of San Diego Public Utilities Department as a "Utility of the Future Today" for Pure Water's public outreach efforts.

## December 2019

The Metropolitan Water District board votes to provide up to \$285.6 million in incentives to the Pure Water Program.

## 2019 Public Outreach Program Highlights







## Phase 1 Project Outreach

The Public Utilities Department continued to engage and inform Phase 1 Working Group (WG) members in 2019. Two WG meetings were held to provide community members an update on construction bid specifications. The Pure Water team also met with businesses near the North City Water Reclamation Plant and North City Pure Water Facility site to inform them of the early site work.

### Pure Water San Diego Contractor EXPO

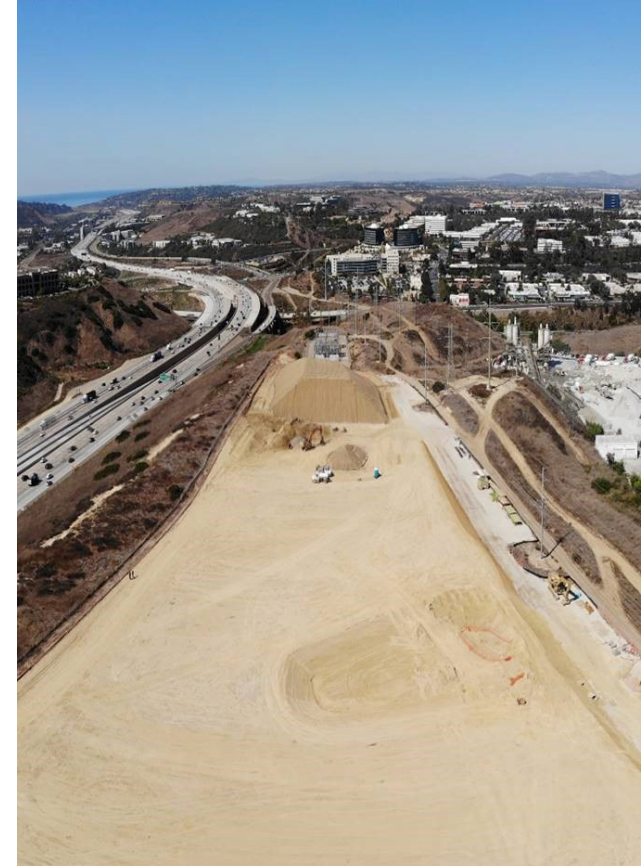
Nearly 150 contractors and consultants attended the Pure Water San Diego Contractor EXPO on Jan. 31 at the Balboa Park Recital Hall to learn about upcoming Phase 1 contracts and network with other contractors. Presentations were given on how to bid on upcoming Pure Water contracts and how Phase 1 projects will be implemented. Attendees also had the opportunity to network and develop partnerships with other contractors interested in forming teams. City staff and project team members were stationed at informational booths to answer questions about each of the projects.

## Pre-Construction Activities Begin

Pre-construction activities began at the North City Water Reclamation Plant (NCWRP) and future North City Pure Water Facility (NCPWF) site in June.

As part of the Pure Water Program, the NCWRP will be expanded from producing 30 million gallons per day (mgd) to 52 mgd so the City can continue to provide recycled water to its commercial customers, as well as provide recycled water to the future NCPWF, which will produce 30 mgd of purified water to be sent to the Miramar Reservoir.

Pre-construction activities at the NCWRP include utility relocations, infrastructure improvements, relocation of some of the components of the Pure Water Demonstration Facility and installation of electrical infrastructure.







# Pure Water Day Open House

On June 22, the City of San Diego hosted the third Pure Water Day Open House at the North City Water Reclamation Plant. With construction on the Phase 1 projects beginning, the Pure Water team provided a fun, family-friendly event to engage the community to learn how the Pure Water Program will benefit all San Diegans.

More than 350 community members toured the Pure Water Demonstration Facility, tasted the purified water, visited informational booths and explored the Kid Zone. A scavenger hunt map encouraged attendees to explore different areas of the event. City engineers informed and engaged attendees about the upcoming Pure Water Phase 1 pipelines and facilities that will be constructed.



# Operator Readiness

Pure Water San Diego is on the front lines of preparing operators for the new Advanced Water Treatment (AWT) certification.

The City of San Diego partnered with Trussell Technologies to develop a training program to prepare current drinking water and wastewater operators for the certification exam allowing them to work at AWT facilities.

Pure Water's Operations Supervisor, John Carroll, recently became one of the first operators to earn his certification and has been active in helping train staff.







## Miramar Reservoir Tracer Study

The Pure Water team conducted a tracer study at Miramar Reservoir in July 2019 to validate the performance of a hydrodynamic model used to show how water moves throughout the reservoir. The model is used to demonstrate regulatory compliance and public health protection and has also informed the design of the Pure Water Phase 1 projects. Initial results show that the model used is valid. Additionally, the 2019 tracer study allowed the City to gain practical experience for additional tracer studies that will be conducted as part of implementing Phase 1 of the Pure Water Program.



## Bird Rock Coffee Roasters Partnership

As part of the WaterReuse Symposium, the Pure Water team partnered with Bird Rock Coffee Roasters, a local chain committed to sustainability and fair trade, to serve coffee brewed with purified recycled water produced at the Demonstration Facility. Both hot and cold brew coffee were served to more than 150 people at the WaterReuse Symposium on Sept. 10. This partnership marked the first time potable reuse coffee was served at an industry conference. Fox 5 San Diego covered the partnership.



## Pure Brew San Diego Competition

As part of the WaterReuse Symposium, the Pure Water team hosted the second Pure Brew San Diego competition at the Maritime Museum on Sept. 10. Homebrewers belonging to the Quality Ale and Fermentation Fraternity (QUAFF) brewed ten beers using water from the Demonstration Facility. 300 people attended the competition to sample the beers and voted for their favorites. The WaterReuse Association awarded the first, second and third place winners with cash prizes. The first-place winner, a specialty IPA, received 100 votes. CBS 8 and NBC 7/39 both covered the event.







## Media Coverage

Pure Water was featured in mainstream and industry media for training, partnerships and programmatic accomplishments. The Pure Water team had the pleasure of hosting an international press delegation reporting on potable reuse. Newsline Magazine, a Pakistani media outlet, published an article outlining the innovative ways that California is addressing its water challenges and discussed Pure Water's advanced water purification process.

Deputy Director Amy Dorman was interviewed by Municipal Water Leader to discuss the Pure Water Program in their October issue. The article explained the need for potable reuse programs and how Pure Water factors into the reliability of San Diego's future water supply. Civil Engineering Magazine discussed how the Phase 1 projects will be built as part of a profile on water reuse projects around the nation.

## Recognition and Industry Presence

The City of San Diego received the Utility of the Future Today recognition for forward-thinking practices providing sustainable, efficient, and value-added services, as well as the Award of Excellence from the Public Relations Society of America San Diego/Imperial Counties Chapter for the comprehensive public outreach efforts with the Phase 1 Community Working Groups.

Presentations about the Pure Water Program were given at six conferences focusing on the challenges of managing implementation of a potable reuse program and the program's successful outreach efforts.

This year, the national WaterReuse Symposium was held in San Diego from Sept. 8 to 11. A five-member panel consisting of City staff and consultants presented about the strategies and tactics utilized for the Pure Water Program involving regulations, stakeholder engagement, Pure Water Demonstration Facility research, operator readiness and getting into construction. Nearly 100 people attended the presentation.







# Pure Water San Diego

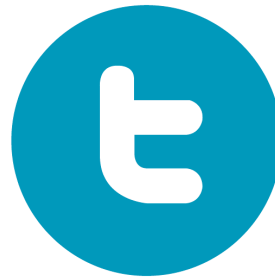
Pure Water San Diego Program  
9192 Topaz Way  
San Diego, CA 92123  
purewatersd@sandiego.gov  
619-533-7572



PureWaterSD



PureWaterSD

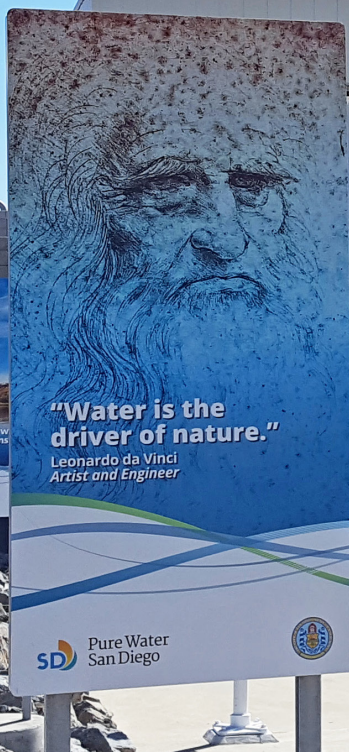


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Visit [www.purewatersd.org](http://www.purewatersd.org) and sign up for a free tour of the Pure Water Demonstration Facility.



**Pure Water**  
San Diego



safe, reliable, **sustainable**

**Goal:**

producing  
**1/3** of our  
water supply