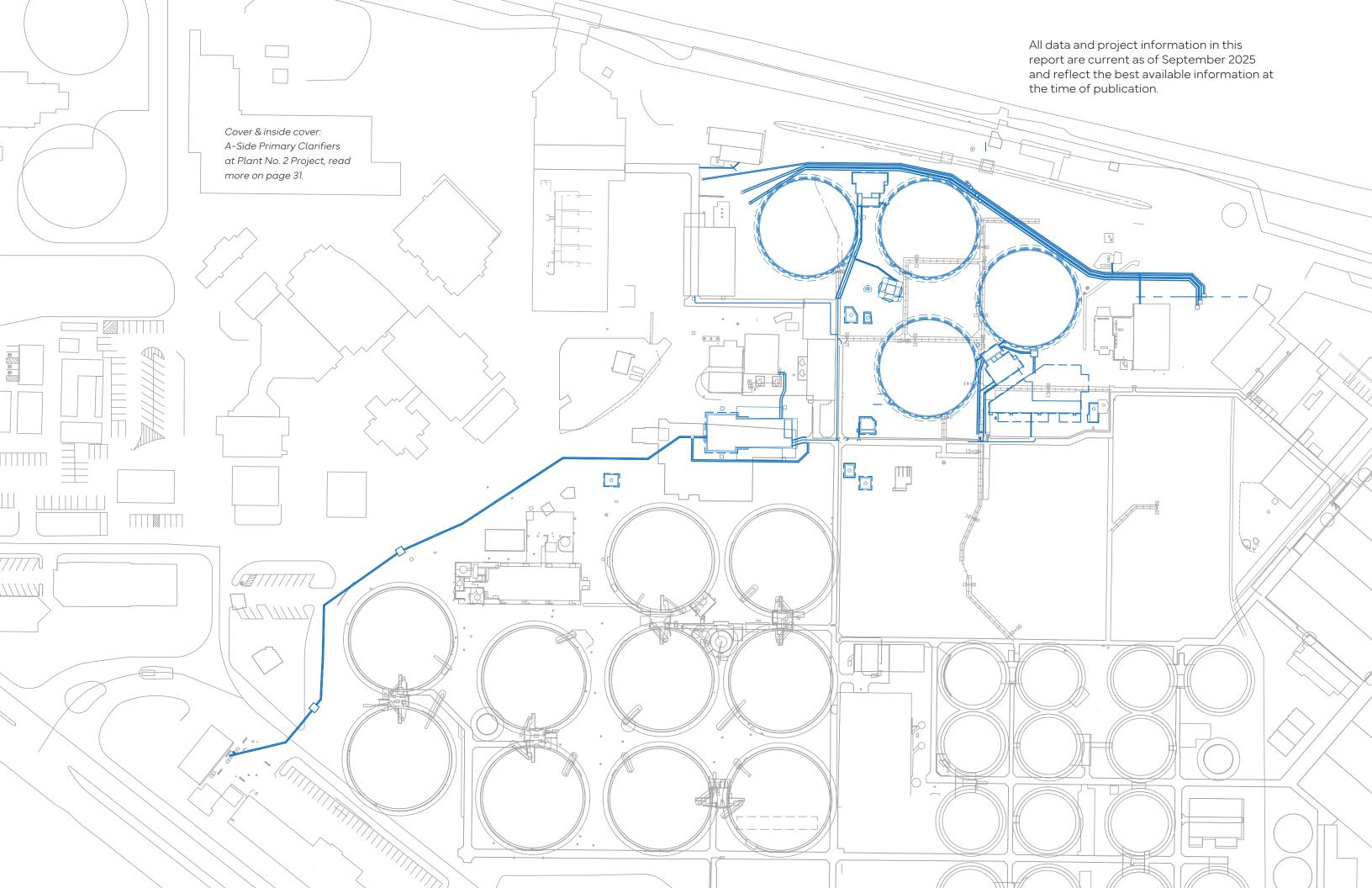
#### Capital Improvement Program

Annual Report 24/25

## ENGINEERED FOR THE PUBLIC GOOD





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## A Message from the **Director of Engineering**



his past year, I've been incredibly proud of how OC San has continued to embrace innovation, collaboration, and leadership to move our Capital Improvement Program (CIP) forward. We are delivering projects and building the future of our region's wastewater infrastructure.

One major milestone was diving into the Progressive Design-Build procurement process, a more collaborative approach to delivering large-scale infrastructure. I am excited about what we have accomplished in a short

amount of time and the industry interest it's generated. I strongly feel that this method is a great fit for OC San's values. The dedication the team has put forward has been rewarding and we're already applying it to our Ocean Outfalls Rehabilitation and Plant No. 1 Headworks Electrical Distribution Improvements Projects. By working closely with design and construction teams from the beginning, we can move projects forward faster, manage risks more effectively, and use our internal resources wisely.

Looking ahead, our CIP is ramping up. Over the next four years, annual investment is expected to grow from \$245 million to more than \$350 million. To prepare, we've focused on strengthening our internal processes, refining team roles, and making sure we have the resources and support in place to meet this exciting challenge.

On behalf of the Engineering Department, I extend our gratitude to the Board of Directors for their continued support. We're proud to serve and remain committed to delivering CIP projects that are truly **engineered for the public good**.

Mike Dorman, PE

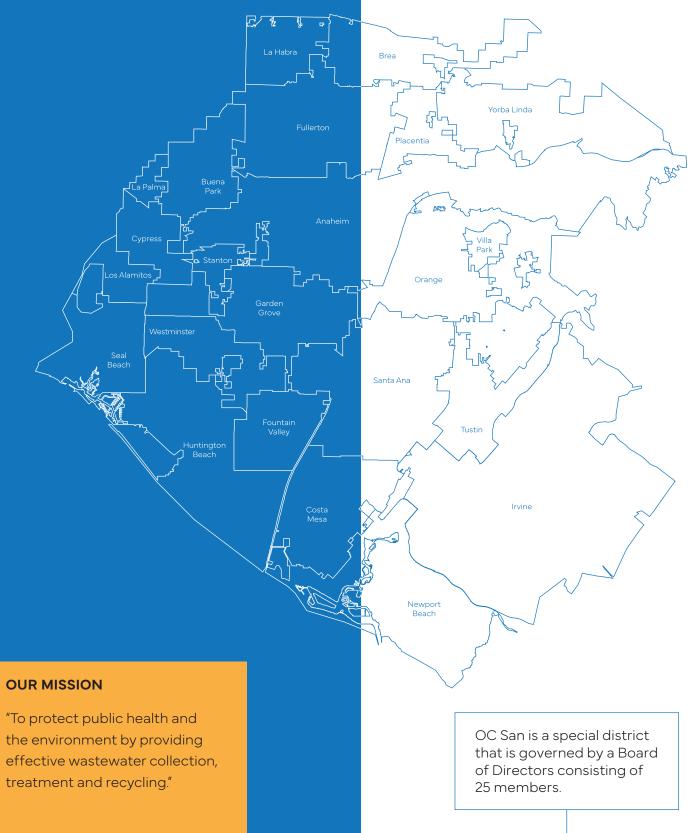
OC San Director of Engineering



#### Who We Are

Sewer systems play a crucial role in public health by safely collecting and treating wastewater, preventing the spread of disease, and improving overall sanitation, which benefits the entire community.

The Orange County Sanitation District (OC San) is a public agency that provides wastewater collection, treatment, and recycling services for the northwest and central area of Orange County, California. The wastewater from OC San's 479-square-mile service area travels through nearly 400 miles of regional sewers to reclamation facilities Plant No. 1 in Fountain Valley and Plant No. 2 in Huntington Beach. Approximately 185 million gallons per day of wastewater collected from 2.6 million people are processed daily.



#### **Board of Directors**

| CITIES           | ACTIVE DIRECTOR                |
|------------------|--------------------------------|
| Anaheim          | Carlos A. Leon                 |
| Brea             | Christine Marick               |
| Buena Park       | Joyce Ahn                      |
| Cypress          | Scott Minikus                  |
| Fountain Valley  | Glenn Grandis                  |
| Fullerton        | Jamie Valencia                 |
| Garden Grove     | Stephanie Klopfenstein         |
| Huntington Beach | Pat Burns                      |
| Irvine           | Melinda Liu                    |
| La Habra         | Jose Medrano                   |
| La Palma         | Debbie Baker                   |
| Los Alamitos     | Jordan Nefulda                 |
| Newport Beach    | Erik Weigand                   |
| Orange           | Jon Dumitru (Vice Chairperson) |
| Placentia        | Chad Wanke                     |
| Santa Ana        | Johnathan Ryan Hernandez       |
| Seal Beach       | Lisa Landau                    |
| Stanton          | David Shawver                  |
| Tustin           | Ryan Gallagher (Chairperson)   |
| Villa Park       | Jordan Wu                      |

#### **AGENCIES**

| Costa Mesa<br>Sanitary District       | Robert Ooten  |
|---------------------------------------|---------------|
| Midway City<br>Sanitary District      | Andrew Nguyen |
| Irvine Ranch<br>Water District        | John Withers  |
| Yorba Linda<br>Water District         | Tom Lindsey   |
| Member of the<br>Board of Supervisors | Doug Chaffee  |

the environment by providing effective wastewater collection, treatment and recycling."

# CAPITAL IMPROVEMENT PROGRAM | ANNUAL REPORT 24/25



## Capital Improvement Program Overview: Engineered for the Public Good

Since its founding in 1954, OC San has been dedicated to protecting public health and the environment through carefully planned and executed infrastructure investments. The Capital Improvement Program (CIP) reflects this commitment by maintaining and enhancing the infrastructure that delivers safe, reliable service to the community we serve.

As demands and conditions evolve, the CIP is designed to respond effectively. Over a decade ago, the program focused on expanding treatment capacity to achieve full secondary treatment, improving the quality of treated wastewater and safeguarding local waterways.

In 2023, the final expansion of the Groundwater Replenishment System was completed, a partnered accomplishment with the Orange County Water District, innovatively reusing a once wasted resource and maximizing water recycling efforts.

With facilities now producing high-quality secondary effluent and recycling 100 percent of reclaimable flows, current CIP efforts emphasize maintaining reliability by:

- · Replacing and upgrading pipelines.
- · Rehabilitating and replacing pump stations and plant facilities.
- Exploring new technologies that deliver innovative, cost-effective, and sustainable operations.

It's been an exciting and busy year for OC San. We are studying Deep Well Injection, moving along with our Supercritical Water Oxidation pilot facility, and have continued several construction projects throughout our service area and facilities. We also advertised the first of several projects identified using a delivery method called Progressive Design-Build.

The Engineering Department leads the delivery of this essential program. During Fiscal Year 2024/25, the team managed over **100 active projects**, with a net CIP spending of **\$245 million**. These investments reflect our commitment to infrastructure that is engineered for the public good, protects public health, preserves the environment, and serves our community for generations to come.

#### **Community Outreach Program**

At OC San, delivering essential infrastructure goes hand in hand with serving the people who rely on it every day. Recognizing that infrastructure improvements can impact daily life, our Community Outreach Program is designed to ensure the public remains a valued partner in the process.

We are dedicated to timely, accurate, and transparent communication, delivered with excellent customer service. Through our Construction Outreach Program, we keep stakeholders informed about project needs, benefits, and timelines, all while helping them prepare for potential impacts.

Our outreach team prioritizes clear, consistent, and proactive engagement. By collaborating closely with neighborhoods, communities, and cities, we work to build understanding and trust around critical infrastructure improvements.

## FISCAL YEAR 24/25 OUTREACH BY THE NUMBERS

- **18.3K** people reached
- **38** electronic messages
- Supporting 8 projects in 11 cities



Outreach team presenting at a homeowner's association meeting.

#### INNOVATIVE APPROACHES

#### · Multilingual:

Outreach materials were delivered in various languages including Spanish, Vietnamese, and Korean; serving members of our diverse communities.

#### Digital Outreach:

Active social media online presence using a toolbox of platforms including Facebook, Instagram, and Nextdoor

#### Partnerships:

Participated in city events and presented at city meetings, local organizations, and communities where construction projects are occurring.

#### Menu of Accessibility:

Dedicated project web pages with the option to sign up for email notification and text alerts. Learn more at ocsan.gov/construction.

#### **Asset Management**

OC San manages more than **\$15 billion** worth of facilities and pipelines that serve the public every day. Asset management planning helps us identify how to keep our system reliable and cost-effective.

Through annual asset management planning, the CIP serves as a roadmap for projects that maintain, enhance, and adapt our facilities to meet the region's long-term needs. Future projects may be accelerated, delayed, consolidated, canceled, or rescoped to ensure the 20-year CIP is implemented as efficiently as possible while upholding our mission to protect public health and the environment.



#### **Planning Studies**

Planning studies help us prepare for the future by exploring new technologies and ideas, evaluating major needs, and identifying projects for our community. The findings from these studies provide the information and analysis needed to make smart decisions about what to build, when to build it, and how to deliver reliable, effective services to the public.

The following studies are examples of collaboration and innovation for the greater good.

#### Project No. PS21-06

#### **Urban Runoff Optimization Study**

This comprehensive study identified collaborative opportunities where additional urban runoff may be captured to increase water recycling and improve water quality throughout the county and our beaches. OC San partnered with the Orange County Water District and the County of Orange on this effort with the objective of identifying and developing new dry weather diversion projects, wet weather projects, and optimizing existing diversions.

The final report is expected by September 2025.

#### Project No. PS23-04

#### **Digital Asset Management Study**

OC San is exploring ways to make asset management smarter and more data-driven. This study will help the asset management program into a digital framework, helping teams share information more easily, collaborate more effectively, and make stronger decisions about maintaining and replacing critical infrastructure.

Since 2019, the Asset Management
Team has produced an annual Asset
Management Plan that maps out 1-, 5-,
and 10-year priorities for OC San's major
assets. Moving to a digital system will
enhance this process by providing better
insight into asset conditions and risks,
ensuring every investment delivers the
greatest value to our customers.

The final report is expected in 2027.

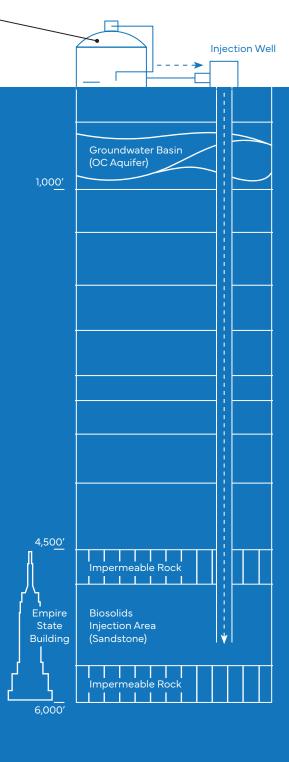
#### Project No. PS24-01

#### **Deep Well Injection Feasibility Study**

OC San is currently studying an innovative method called Deep Well Injection to manage biosolids – the nutrient-rich material left after wastewater treatment. This approach provides carbon sequestration and an environmentally safe way to handle these materials while reducing costs and emissions from long-distance trucking.

The proposed project involves injecting biosolids about 5,400 feet below OC San's reclamation plant into a deep layer of sand sealed between rock formations, far beneath the groundwater basin. In this naturally warm environment, the biosolids break down into gases such as methane and carbon dioxide, safely contained deep underground and kept separate from the aquifer.

The feasibility study is currently underway, with a final report expected by December 2025.



Anaerobic Digester

Byproduct: Biosolids (OC San Reclamation Plant)



OC San's Research Program is dedicated to finding practical solutions to current challenges while exploring emerging technologies that can improve our operations in the future. The program includes work on operational research, air quality and odor issues, current and future regulatory practices, renewable fuels usage, and planning for future infrastructure needs.

#### Project No. RE21-01

#### **Supercritical Water Oxidation Demonstration**

One exciting research project is testing a new technology called supercritical water oxidation. This process uses high temperature and pressure to break down wastewater solids and complex materials like per- and polyfluoroalkyl substances (PFAS), microplastics, and pharmaceuticals into simpler, safe compounds. The results from this pilot project demonstration could lead to more efficient and effective ways to manage wastewater solids in the future.

The pilot facility is expected to be in operation at our Plant No.1 by early 2026.

#### **Collection System**

OC San's collection system is the backbone of our operations, carrying wastewater from homes and businesses to our reclamation plants for treatment and recycling. This system includes over 380 miles of regional pipelines and 15 off-site pump stations serving multiple cities across Orange County.

Several CIP projects are upcoming or currently underway to rehabilitate, replace, and expand portions of the collection system. Construction efforts are underway in cities such as Costa Mesa, Cypress, La Palma, Los Alamitos, Orange, Santa Ana, and Seal Beach. These projects reflect our continued investment in safe, reliable infrastructure for the community.

The projects highlighted are currently in design or in active construction.

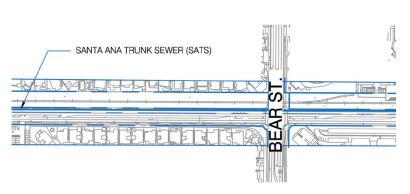


CADILLAC AVE Project No. 1-23 Santa Ana Trunk Sewer Rehabilitation Location: Costa Mesa, Santa Ana Construction Budget: \$34.2 million Originally constructed in the 1950's, nearly three miles of the Santa Ana Trunk sewer and manholes will be rehabilitated in the cities of Costa Mesa and Santa Ana to extend its life for at least another 50 years

Construction is anticipated to start early 2026 and continue through 2028.

and serve the community of generations

to come.



MACARTHUR BLVD.

SCENIC AVE.

SANTA ANA TRUNK SEWER (SATS)

HARBOR BLVD

Project No. 2-49

Crews digging for

the installation of a

new sewer pipeline

SAVALA

on Taft Ave.

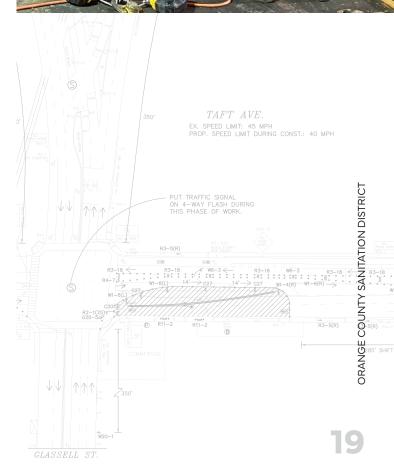
#### Taft Branch Improvements

Location: Orange

Construction Contract: \$20.5 million

OC San is improving the sewer on Taft Avenue in the City of Orange. Installed in 1960, this project will replace nearly two miles of pipeline with a larger diameter pipe, allowing the system to collect more wastewater from homes and businesses while reducing the risk of potential sewer overflows during wet weather.

Construction began in 2025 and will continue through 2027.





#### Project No. 3-67

#### **Seal Beach Pump Station Replacement**

Location: Seal Beach Construction Contract: \$97.1 million

Replacing the Seal Beach Pump Station will modernize aging infrastructure, improve efficiency, and support future system upgrades.

The new Seal Beach Pump Station will include a 50-foot-deep wet well, new odor control facilities, a standby generator, and the demolition of the existing pump station. A pump station is a facility that helps move wastewater to our reclamation plants. While most of our sewers rely on gravity, a pump station "lifts" water and pushes it forward when the land is flat or uphill, moving it through the collection system. The operations and maintenance of a pump station is more costly than gravity pipes—gravity moves wastewater for free—but are critical to ensuring uninterrupted sewer service.

Construction began in 2024 and will continue through 2028.





#### **LOOKING GOOD**

The new Seal Beach Pump Station has been engineered with advanced features, but designed to look good above ground too! It's Spanish-inspired architecture is meant to complement the Seal Beach City Hall, blending a critical piece of infrastructure into the community.

#### **ENGINEERING FOR THE FUTURE**

This project also paves the way for future infrastructure improvements of new gravity sewers and the elimination of another pump station in the collection system. Although construction for this future project is still years away, this shows the intentional and long-term planning of OC San's CIP.

Cement-soil mixing drill rig used on the project.

#### Project No. 7-65

#### Gisler-Red Hill Interceptor and Baker Force Main Rehabilitation

Location: Costa Mesa, Irvine Construction Budget: \$43.6 million

OC San is rehabilitating two major pipelines that carry wastewater from Costa Mesa and surrounding areas to our facilities. These pipelines include the Gisler-Red Hill Interceptor, a large gravityfed pipe that runs along the 405 freeway, and the Baker Force Main, a pressurized pipe along Airway Avenue and Airport Loop Drive that transports wastewater from the Main Street Pump Station.

In total, this project rehabilitates over five miles of gravity and force main pipelines and performs some upgrades at the Main Street Pump Station. These improvements will extend the life of critical infrastructure, increase system flexibility, and enhance reliability for the community.

Construction began in 2023 and is scheduled for completion by early 2026.



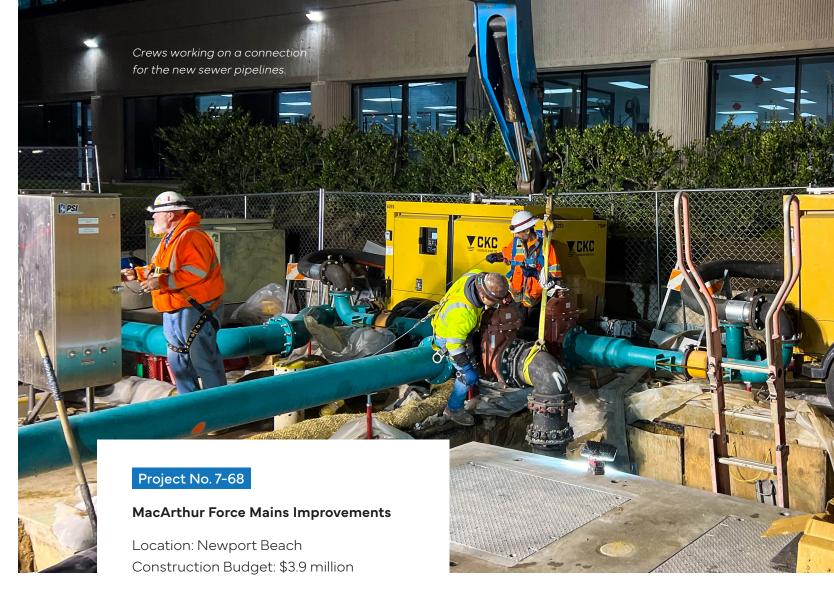




(TOP) Tower used to install a liner into the Baker Force Main for rehabilitation.

(MIDDLE) Inside the Main Street Pump Station.

(BOTTOM) Crews installing a bypass tee and valves.



OC San improved the force main system connected to the MacArthur Pump Station in Newport Beach. Force mains are pressurized pipes that move wastewater from pump stations when gravity flow isn't possible.

The project replaced a single force main with two new parallel pipelines installed along the center median near John Wayne Airport. This dual system provides flexibility and ensures continuous service, even during maintenance or repairs.

Construction began in 2024 and was completed in 2025.

## MINIMIZING DISRUPTION

Due to the project's location near a busy daytime airport and non-residential area, most construction work occurred at night to avoid peak traffic and reduce daytime disruptions.

ORANGE COUNTY SANITATION DISTRICT

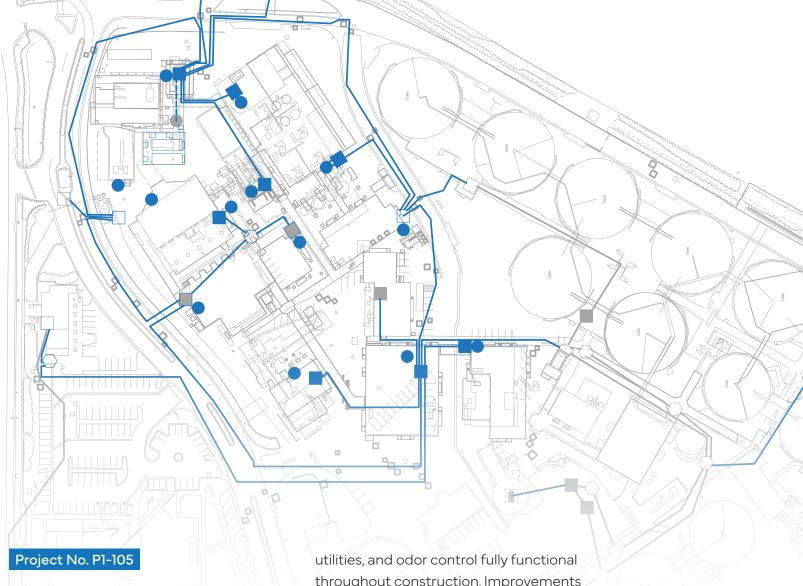
#### **Reclamation Facilities**

OC San has two 100-acre reclamation facilities: Plant No. 1 located in Fountain Valley and Plant No. 2 located in Huntington Beach.

Approximately 185 million gallons per day of wastewater are collected and treated at the two plants. After treatment, every drop of treated water that can be recycled is made available to the Orange County Water District for the Groundwater Replenishment System (GWRS) where it goes through a 3-step process of microfiltration, reverse osmosis, and ultraviolet light to produce enough water for 1 million people. For more information about GWRS, visit ocwd.com/gwrs.

In order to keep our facilities in tip-top shape, CIP projects at our reclamation facilities are necessary to uphold our mission to protect public health and the environment.

Read on to learn more about upcoming or active construction projects at our reclamation facilities.



#### Headworks Rehabilitation at Plant No. 1

Construction Contract: \$229.7 million

OC San is currently modernizing the headworks at Plant No. 1. The headworks is where wastewater first enters the treatment process. It is the first line of defense, screening out large debris and grit to protect equipment as wastewater moves through the treatment process. The existing headworks at Plant No. 1 have been in service for over 30 years without a major rehabilitation effort—until now.

The project will rehabilitate four existing structures and construct seven new ones, while keeping plant operations,

utilities, and odor control fully functional throughout construction. Improvements will be made to the metering and diversion structure, bar screen building, bin loading building, main sewage pump station, grit basins, primary influent channels, odor control scrubbers, and electrical power distribution and control systems.

Once finished, the upgraded headworks will ensure reliable service and improved protection for OC San's treatment systems well into the future.

Construction began in 2021 and is anticipated to be completed by 2030.









(TOP) The entire headworks area at Plant No. 1 is undergoing construction while keeping the existing facilities in service.

(MIDDLE LEFT) New Headworks Standby Power Building for backup generators.

(MIDDLE RIGHT) Underground fuel storage tanks for standby generators.

(BOTTOM) New odor control scrubbers on the left will replace the old scrubbers shown on the right side.



#### Project No. P1-126

#### Primary Sedimentation Basins No. 3-5 Replacement at Plant No. 1

Construction Budget: \$136 million

Three primary sedimentation basins will be replaced at Plant No. 1 that were originally built between 1955 and 1965.
These basins, also called primary clarifiers, have reached the end of their service life and will be rebuilt to improve reliability and maintain critical treatment capacity for decades to come.

Primary clarifiers are part of the primary treatment process, following the headworks. Primary clarifiers slow down the flow of wastewater allowing heavier solids such as sand, grit, and organic matter to settle to the bottom and lighter materials such as fats, oils, and grease (FOG) to float. Both the organic material and FOG are sent to our digesters where they are treated and converted into renewable digester gas.

This project includes new clarifiers, associated facilities, new odor control system, and demolition of old structures. The completed project will provide greater efficiency by eliminating a pump station, delivering operational benefits, and ensuring continued compliance with environmental regulations.

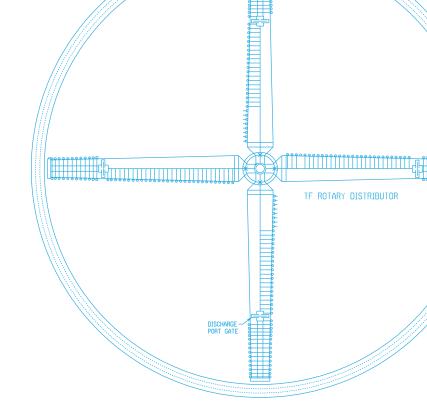
Construction is expected to begin in 2027 and finish in 2031.

#### Project No. P1-142

#### Trickling Filter Media Replacement at Plant No. 1

Construction Budget: \$29 million

OC San is replacing the trickling filter media at Plant No. 1. Trickling filters are part of the secondary treatment process. The trickling filters clean wastewater by spraying a thin layer of wastewater with the use of a rotating arm over 20 feet of media where beneficial microorganisms grow. These organisms consume and remove contaminants as the water flows through, similar to the naturally occurring green algae in rivers.





Construction of trickling filters.

This project will replace the aging trickling filter media, install new drainage grating below the media, and repair the corrosion-protection liners to ensure the filters operate efficiently.

The construction contract is expected to be awarded in late 2025, with construction anticipated to continue through 2028.







#### Project No. P2-98A

#### A-Side Primary Clarifiers at Plant No. 2

Construction Contract: \$115.1 million

While future construction at Plant No. 1 will replace the primary clarifiers (see Project No. P1-126 on page 28), construction of four new ones is currently underway at Plant No. 2. The four oldest primary clarifiers originally built in the 1960s have surpassed their useful life and will be replaced to maintain reclamation capacity.

This project includes new primary clarifiers, an upgraded odor control system, more resilient power distribution systems, updated utilities, and demolition of existing structures.

Once finished, the upgraded primary clarifiers will ensure reliable operations for many years.

Construction began in 2021 and is anticipated to be completed by 2027.



#### Project No. P2-128A

#### South Perimeter Wall and Soil Improvements at Plant No. 2

Construction Contract: \$25.3 million

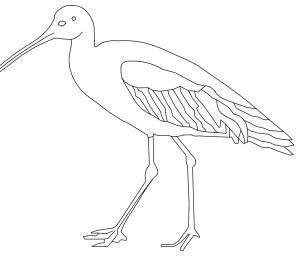
OC San is strengthening the southern boundary of Plant No. 2 with the construction of a new concrete perimeter wall and soil improvements along the Talbert Marsh. This project will replace a chain-link fence, improving site security, climate resiliency, and visual screening of the reclamation facility.

The new wall will stand between 8 and 11 feet tall, designed to withstand future sea level rise, flooding, and tsunami forces. Below ground, soil improvements will help prevent movement during seismic events ensuring key infrastructure stays in place and protected.

Construction began in 2025 and will be completed by 2027.

#### **DESIGN INSPIRED BY NATURE**

The new wall will feature a wave-like pattern and decorative silhouettes of native birds from the Talbert Marsh. This design, inspired by the surrounding environment, will help our facility blend more naturally with the nearby habitat.

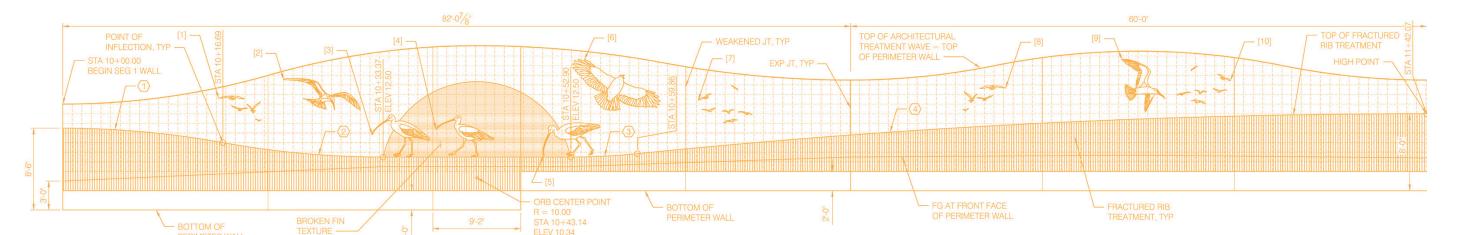








Clay bird sculptures will be used to create decorative patterns on the new perimeter wall.



#### Project No. J-117B

#### Outfall Low Flow Pump Station

Construction Contract: \$96.1 million

Improvements of the ocean outfall system are nearing completion. A new pump station with appropriately sized smaller pumps to handle reduced non-reclaimable flows will provide a properly sized outfall pumping system.

With the final expansion of GWRS and the ability to recycle all reclaimable flow from both plants to produce enough water for 1 million people, the amount of flow pumped through the ocean outfall is reduced.

This project includes a new low flow pump station, new plant water pump station, improved fiber optic network for a more robust industrial control system, and new server rooms.

Construction began in 2019 and is scheduled for completion by 2027.





#### Engine and Generator Overhauls at Plant No. 1 and 2

Construction Contract: \$33 million

In the early 1990s, OC San installed engines and generators at our central generation (CenGen) facilities at both our plants. CenGen converts digester gas generated from the treatment process into renewal energy, providing most of the power and heat for our operations and saving ratepayers millions of dollars each year. In 2024 alone, those savings were approximately \$11 million.

The project involves a major overhaul of four engines and generators to ensure reliable and cost-effective operation well into the future. By maintaining and upgrading this system, OC San can continue reducing energy costs and supporting sustainable operations.

Construction began in 2022 and will be completed in 2026. A future project will overhaul the remaining engines and generators.

## SUSTAINABLE ENGINEERING

CenGen doesn't just power and heat OC San's reclamation facilities. It also provides heat to our administrative headquarters building, which opened in 2024 across the street from Plant No. 1. A pedestrian bridge safely connects the two sites for employees, and utility piping attached to the bridge carries residual hot water from CenGen to heat the building. It's a smart example of sustainable engineering in action.

The headquarters project is award-winning for its environmental sustainability principles in design. For a list of awards the project received this past year, see the **Awards & Honors** section on page 58.



Overhaul of the engines and generators at Plant No. 2.

#### Project No. J-137

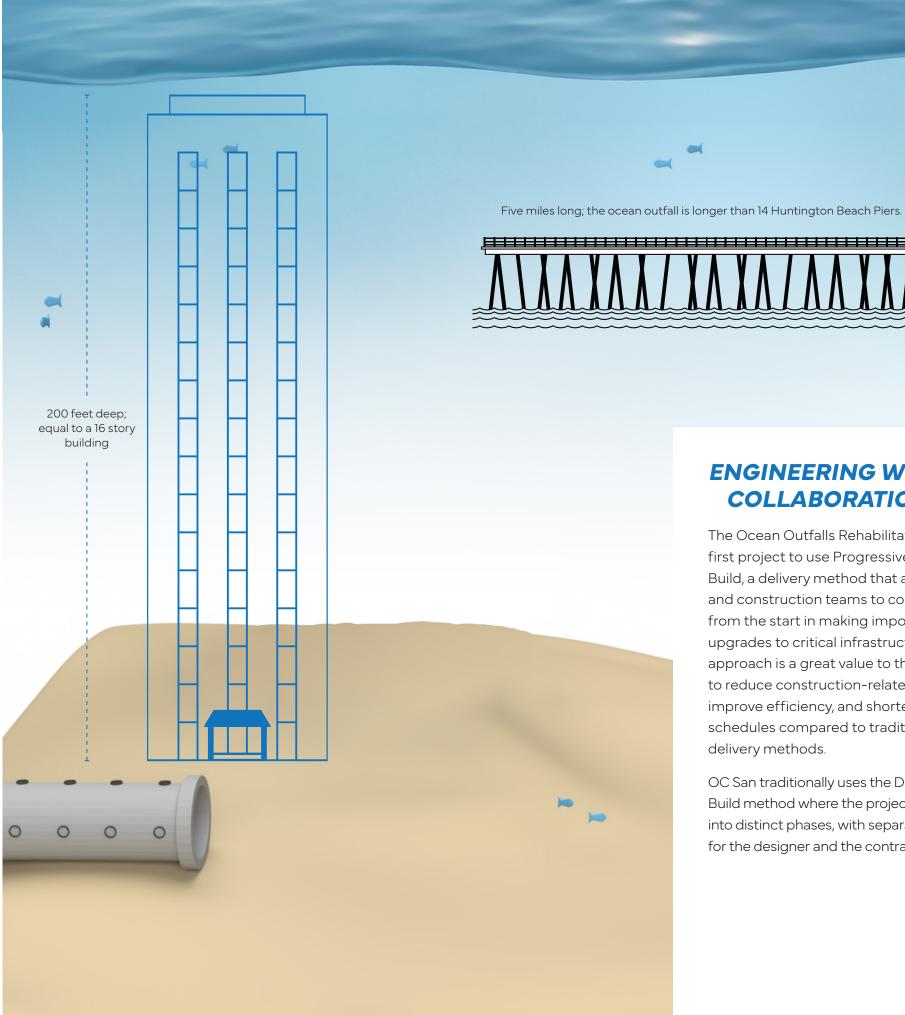
#### **Ocean Outfalls Rehabilitation**

Project Budget: \$82 million

OC San will rehabilitate the ocean outfall pipeline, which safely discharges treated water that cannot be reused into the ocean. The pipeline extends five miles offshore and releases water through more than 500 portholes located 200 feet below the ocean surface, playing a crucial role in wastewater treatment and protecting public health and the environment.

The project will rehabilitate the 120-inch Long Outfall and conduct a detailed inspection and condition assessment of the 78-inch Emergency Short Outfall. Recommendations for both short- and long-term rehabilitation repairs will be provided.

Design and construction are anticipated to begin early 2026, with completion scheduled for 2029.



#### **ENGINEERING WITH COLLABORATION**

The Ocean Outfalls Rehabilitation is the first project to use Progressive Design-Build, a delivery method that allows design and construction teams to collaborate from the start in making important upgrades to critical infrastructure. This approach is a great value to the public to reduce construction-related risks, improve efficiency, and shorten project schedules compared to traditional delivery methods.

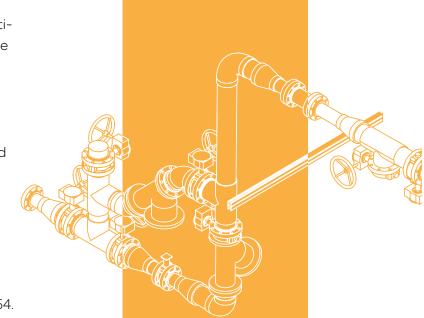
OC San traditionally uses the Design-Bid-Build method where the project is divided into distinct phases, with separate contracts for the designer and the contractor.

#### **Small Projects**

Not every project at OC San is a major multiyear effort. Some projects are smaller in size and cost but equally important to keeping our system running smoothly between the execution of the larger CIP projects. These types of projects focus on the immediate needs to maintain day-to-day reliability and extend the life of existing assets.

This section shows a variety of projects ranging in **budget**, **construction schedule**, and **scope**.

A list of the active CIP funded small projects during Fiscal Year 2024/25 begins on page 54.





#### Project No. FE18-13

#### Redhill Relief Sewer Relocation at State Route 55

- \$2.9 million
- 2024-2025
- Relocated an existing pipeline to accommodate the freeway widening project.



Project No. FE19-01

#### Pump Station Portable Generator Connectors

- \$1.3 million
- 2022-2025
- Installed electrical connectors for portable emergency generator sets at 13 pump stations.



Project No. FE20-04

#### CenGen Cooling Water Piping Replacement at Plant No. 2

- \$3.5 million
- 2023-2027
- Replaces 1,500 feet of central generation cooling water ductile iron piping.



Project No. FE20-08

#### Olive Sub-Trunk Siphon Rehabilitation at Santa Ana River

- \$1.9 million
- 2023-2025
- Repaired a 550-foot section of pipeline, replaced manholes, and installed an air jumper to help reduce odors.



Project No. FE21-04

## Thickening and Dewatering Facility Handrail Installation at Plant No. 1

- **\$110,000**
- 2024-2025
- Installed safety guardrails adjacent to the Thickening and Dewatering Facility.



Project No. FE21-07

#### Liquid Oxygen Tank A Replacement at Plant No. 2

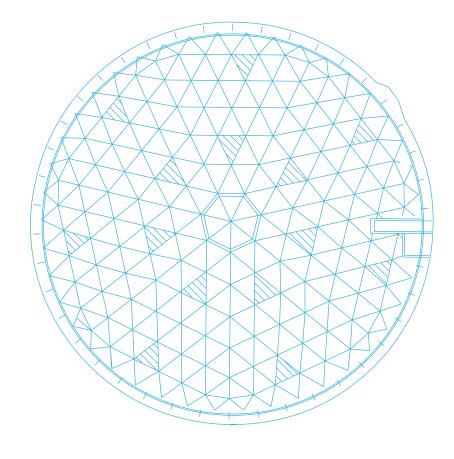
- \$2.6 million
- 2023-2025
- Replaced the 45,000 gallon steel liquid oxygen tank.



Project No. FE23-09

#### Primary Clarifiers F and G Rotating Mechanism Rehabilitation at Plant No. 2

- \$3.2 million
- 2024-2025
- Rehabilitated the rotating mechanisms inside two primary clarifiers.

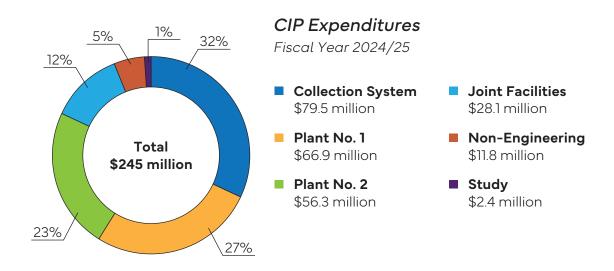


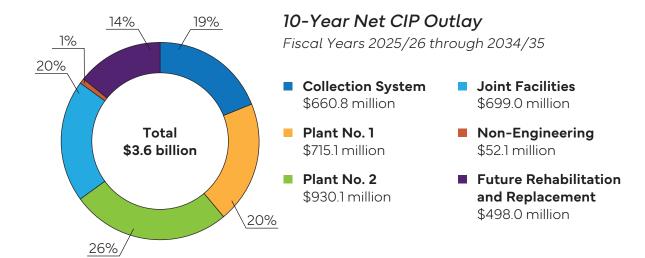
### **Financial Data**

Every year, OC San reviews the scope, schedule, cost, resources, and risks of all current and upcoming CIP projects to verify budgets remain accurate and up to date. This annual validation process ensures that project plans reflect current conditions and projects deliver long-term value while meeting the needs of the community.

The updated CIP budget is then presented to and approved by the Board of Directors as part of OC San's overall annual budget process.

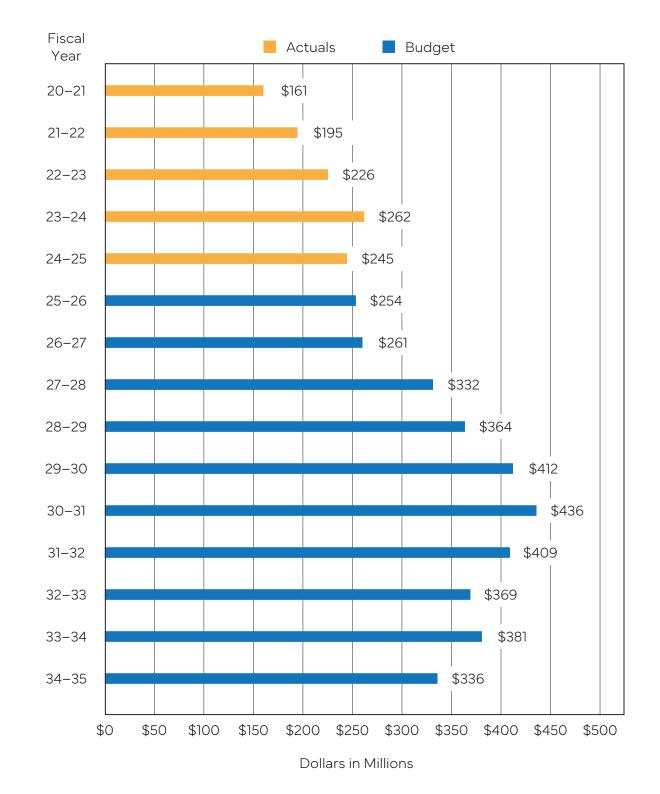
The charts and graphs in this section represent how much OC San has spent on capital improvement projects and how much is planned for investment in the coming years.





#### **Annual Net CIP Outlay**

This chart shows OC San's CIP spending over the past five years and how much we plan to spend over the next ten years.



DRANGE COUNTY SANITATION DISTRICT

## **Contract Activity**

The Engineering Department works closely with Contracts and Purchasing during the procurement process to award design and construction contracts to consultants and contractors.

The following tables summarize contract activity during Fiscal Year 2024/25. They include new contract awards for planning studies and construction, as well as construction contracts that reached completion. With many projects already in design, no new design contracts were awarded during this period.

Non-engineering projects that include Information Technology and Maintenance projects are not detailed in this report.

#### **Planning Studies Contracts Awarded**

| Date of<br>Award  | Project<br>Number | Project Title                                                              | Consultant                             | Contract<br>Amount | Location(s)                         |
|-------------------|-------------------|----------------------------------------------------------------------------|----------------------------------------|--------------------|-------------------------------------|
| July 2024         | PS23-03           | Outfall Initial Dilution Model                                             | Hazen and<br>Sawyer                    | \$425,232          | Plant No. 2                         |
| September<br>2024 | PS23-01           | Fleet Facilities<br>Improvements<br>Study                                  | Stantec<br>Consulting<br>Services Inc. | \$243,543          | Plant No. 1                         |
| November<br>2024  | PS23-06           | Seismic<br>Resilience Study<br>at Plant No. 2                              | Brown and<br>Caldwell                  | \$488,959          | Plant No. 2                         |
| December<br>2024  | PS24-01           | Deep Well<br>Injection<br>Feasibility Study                                | Jacobs                                 | \$1,130,000        | Plant Nos.<br>1 and 2               |
| January<br>2025   | PS24-02           | Scrubber Fan<br>and Transformer<br>Failure Root<br>Cause Analysis<br>Study | Hazen and<br>Sawyer                    | \$92,116           | Plant Nos.<br>1 and 2               |
| April 2025        | PS23-04           | Digital Asset<br>Management<br>Study                                       | Black and<br>Veach<br>Corporation      | \$799,917          | Plant Nos. 1 and<br>2, service area |

#### **Planning Studies Contracts Awarded Continued**

| Date of<br>Award | Project<br>Number | Project Title                                               | Consultant                  | Contract<br>Amount | Location(s)           |
|------------------|-------------------|-------------------------------------------------------------|-----------------------------|--------------------|-----------------------|
| April 2025       | PS23-05           | Utility Water<br>Planning Study<br>at Plant Nos. 1<br>and 2 | HDR<br>Engineering,<br>Inc. | \$670,000          | Plant Nos.<br>1 and 2 |
|                  |                   |                                                             | Total                       | \$3 849 767        |                       |

#### **Construction Contracts Awarded**

| Date of<br>Award  | Project<br>Number | Project Title                                                              | Contractor                                 | Contract<br>Amount | Location(s)           |
|-------------------|-------------------|----------------------------------------------------------------------------|--------------------------------------------|--------------------|-----------------------|
| July 2024         | FE21-04           | Thickening and Dewatering Facility Handrail Installation at Plant No. 1    | J.R. Filanc<br>Construction                | \$110,400          | Plant No. 1           |
| July 2024         | FE23-06           | HVAC<br>Replacements<br>at Plant Nos. 1<br>and 2                           | ACCO<br>Engineered<br>Systems              | \$1,698,204        | Plant Nos.<br>1 and 2 |
| July 2024         | P2-137A           | Digester P and<br>R Dome Tendon<br>Repair                                  | Structural<br>Preservation<br>Systems, LLC | \$2,597,864        | Plant No. 2           |
| September<br>2024 | FE20-05           | Plant Water Piping Replacement at Secondary Clarifiers 1-26 at Plant No. 1 | T.E. Roberts,<br>Inc.                      | \$1,375,313        | Plant No. 1           |

#### **Construction Contracts Awarded Continued**

| Date of<br>Award  | Project<br>Number | Project Title                                                                 | Contractor                         | Contract<br>Amount | Location(s)                                 |
|-------------------|-------------------|-------------------------------------------------------------------------------|------------------------------------|--------------------|---------------------------------------------|
| September<br>2024 | FE23-09           | Primary Clarifiers F and G Rotating Mechanism Rehabilitation at Plant No. 2   | Vicon<br>Enterprise                | \$3,150,000        | Plant No. 2                                 |
| October<br>2024   | FE23-08           | Power Buildings<br>7 and 8 HVAC<br>Replacement at<br>Plant No. 1              | Trane U.S. Inc.                    | \$687,708          | Plant No. 1                                 |
| November<br>2024  | P2-128A           | South Perimeter<br>Wall and Soil<br>Improvements<br>at Plant No. 2            | Ames<br>Construction,<br>Inc.      | \$25,270,000       | Plant No. 2                                 |
| December<br>2024  | 3-64C             | Los Alamitos Sub-Trunk and Westside Relief Interceptor Rehabilitation         | T.E. Roberts,<br>Inc.              | \$35,320,572       | Cypress,<br>La Palma,<br>Los Alamitos       |
| December<br>2024  | FE21-08           | Newhope-<br>Placentia<br>Sewer Manhole<br>Replacements                        | Sancon<br>Technologies<br>Inc.     | \$406,730          | Fountain Valley,<br>Garden Grove,<br>Orange |
| December<br>2024  | FE22-01           | Platform<br>Modifications<br>for Process<br>Areas at Plant<br>No. 1 and No. 2 | Tharsos, Inc.                      | \$494,494          | Plant Nos.<br>1 and 2                       |
| February<br>2025  | 5-67              | Bay Bridge<br>Pump Station<br>Replacement                                     | J.F. Shea<br>Construction,<br>Inc. | \$87,321,000       | Newport Beach                               |

#### **Construction Contracts Awarded Continued**

|                  |                   |                                                            | Total                                    | \$183,817,412      |                       |
|------------------|-------------------|------------------------------------------------------------|------------------------------------------|--------------------|-----------------------|
| June 2025        | J-98              | Electrical Power<br>Distribution<br>System<br>Improvements | Shimmick<br>Construction<br>Company, Inc | \$24,352,127       | Plant Nos.<br>1 and 2 |
| February<br>2025 | J-120A            | Control Room<br>Reconfiguration<br>at Plant No. 1          | Estate  Design and  Construction,  Inc.  | \$1,033,000        | Plant No. 1           |
| Date of<br>Award | Project<br>Number | Project Title                                              | Contractor                               | Contract<br>Amount | Location(s)           |

#### **Construction Contracts Completed**

| Date of<br>Completion | Project<br>Number | Project Title                                                                             | Consultant                | Contract<br>Amount | Location(s)           |
|-----------------------|-------------------|-------------------------------------------------------------------------------------------|---------------------------|--------------------|-----------------------|
| August<br>2024        | FE20-01           | Wastehauler<br>Station Safety<br>and Security<br>Improvements                             | Leed Electric             | \$1,953,454        | Plant No. 1           |
| November<br>2024      | FE20-09           | CenGen Smoke<br>Detection<br>Improvements<br>at Plant No. 1<br>and No. 2                  | ADT<br>Commercial,<br>LLC | \$308,891          | Plant Nos.<br>1 and 2 |
| December<br>2024      | FE18-14           | Plant Water Pipeline Replacement in Kinnison, Lindstrom, and Scott Tunnels at Plant No. 2 | Mehta<br>Mechanical Co.   | \$1,165,995        | Plant No. 2           |

#### **Construction Contracts Completed Continued**

|                       |                   |                                                                                       | Total                                         | \$29,527,209       |                                                                    |
|-----------------------|-------------------|---------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|--------------------------------------------------------------------|
| June 2025             | FE21-04           | Thickening and<br>Dewatering<br>Facility Handrail<br>Installation at<br>Plant No. 1   | J. R. Filanc<br>Construction<br>Company, Inc. | \$110,400          | Plant No. 1                                                        |
| May 2025              | FE19-04           | Sunflower Pump<br>Replacement at<br>Plant No.1                                        | GSE<br>Construction<br>Company, Inc.          | \$2,123,200        | Plant No. 1                                                        |
| May 2025              | 3-64A &<br>3-64BB | Orange-<br>Western Sub-<br>Trunk and<br>Los Alamitos<br>Trunk Sewer<br>Rehabilitation | Steve P.<br>Rados, Inc.                       | \$18,800,000       | Anaheim,<br>Buena Park,<br>Cypress,<br>Los Alamitos,<br>Seal Beach |
| March 2025            | 5-68              | Newport Beach Pump Station Pressurization Improvements                                | Innovative<br>Construction<br>Solutions       | \$1,035,256        | Newport Beach                                                      |
| January<br>2025       | FE20-03           | Return Activated Sludge Discharge Piping Replacement at Activated Sludge Plant No. 1  | GSE<br>Construction<br>Company Inc.           | \$4,030,013        | Plant No. 1                                                        |
| Date of<br>Completion | Project<br>Number | Project Title                                                                         | Consultant                                    | Contract<br>Amount | Location(s)                                                        |

## Engineering **CIP Projects**

Tables of all active studies and projects during Fiscal Year 2024/25 and their project status and budget. The status is at the time of report publishing and project budgets are based on the adopted budget for fiscal years 2024/25 and 2025/26 and budget update for fiscal year 2025/26.

#### **Planning Studies**

| Project<br>Number | Project Title                                                 | Status    | Project Budget<br>(Rounded) |
|-------------------|---------------------------------------------------------------|-----------|-----------------------------|
| PS20-02           | Collection System Flow Level Monitoring Study                 | Completed | \$743,000                   |
| PS20-09           | Thickening & Dewatering Plant Water Study at Plant No. 1      | Active    | \$400,000                   |
| PS21-01           | Exterior Lighting Study at Plant Nos. 1 and 2                 | Completed | \$346,000                   |
| PS21-04           | Energy and Digester Gas Master Plan                           | Completed | \$1,785,000                 |
| PS21-05           | CAD Design Manual Update for 3D Design                        | Completed | \$758,000                   |
| PS21-06           | Urban Runoff Optimization Study                               | Active    | \$1,100,000                 |
| PS21-07           | Process Simulation Model Development for<br>CenGen Facilities | Active    | \$211,000                   |
| PS21-10           | Integrated Nitrogen Management                                | Active    | \$372,000                   |
| PS23-01           | Fleet Facilities Improvements Study                           | Active    | \$350,000                   |
| PS23-03           | 2025 Outfall Initial Dilution Model                           | Active    | \$708,000                   |
| PS23-04           | Digital Asset Management Study                                | Active    | \$1,190,000                 |
| PS23-05           | Utility Water Planning Study at Plant Nos. 1 and 2            | Active    | \$1,100,000                 |
| PS23-06           | Seismic Resilience Study at Plant No. 2                       | Active    | \$946,000                   |
| PS24-01           | Deep Well Injection Feasibility Study                         | Active    | \$1,130,000                 |
|                   |                                                               |           |                             |

## ORANGE COUNTY SANITATION DISTRICT

#### **Planning Studies Continued**

| Project |                                                    |        | Project Budget |
|---------|----------------------------------------------------|--------|----------------|
| Number  | Project Title                                      | Status | (Rounded)      |
| PS24-02 | Bioscrubber Fan and Transformer Failure Root       | Active | \$150,000      |
|         | Cause Analysis Study                               |        |                |
| PS24-03 | Utility Tunnel Reliability Study                   | Active | \$1,080,000    |
|         | at Plant No. 1 and No. 2                           |        |                |
| PS24-04 | Trickling Filter Odor Control Study at Plant No. 1 | Active | \$1,110,000    |
| PS24-05 | Stormwater System Discharge Study                  | Active | \$540,000      |
|         | at Plant No. 1 and No. 2                           |        |                |
| PS24-06 | Positive Sequence Load Flow Modeling for           | Active | \$60,000       |
|         | Central Generation at Plant No. 2                  |        |                |
| PS25-01 | Siphon Assessments in Anaheim, Newport             | Active | \$3,200,000    |
|         | Beach, and Orange                                  |        |                |

#### **Research Studies**

| Project | Project No.                                               | Status | Project Budget |
|---------|-----------------------------------------------------------|--------|----------------|
| Number  | Project No.                                               | Status | (Rounded)      |
| RE20-06 | Co-Thickened Sludge Pump Trial at Plant No. 1             | Active | \$160,000      |
| RE21-01 | Supercritical Water Oxidation Demonstration at Plant No.1 | Active | \$7,941,000    |

#### **Collection System Projects**

| Project<br>Number | Project Title                                                               | Status                 | Project Budget<br>(Rounded) | Location(s)                                                        |
|-------------------|-----------------------------------------------------------------------------|------------------------|-----------------------------|--------------------------------------------------------------------|
| 1-23              | Santa Ana Trunk Sewer<br>Rehabilitation                                     | Design                 | \$55,800,000                | Costa Mesa,<br>Santa Ana                                           |
| 2-49              | Taft Branch Improvements                                                    | Construction           | \$30,200,000                | Orange                                                             |
| 2-73              | Fullerton - Placentia Sewer<br>Facilities Demolition and<br>Rehabilitation  | Project<br>Development | \$21,700,000                | Fullerton, Yorba<br>Linda                                          |
| 3-60              | Knott - Miller Holder Artesia<br>Branch Rehabilitation                      | Design                 | \$19,700,000                | Buena Park, La<br>Palma                                            |
| 3-64A &<br>3-64BB | Orange-Western Sub-Trunk<br>and Los Alamitos Trunk Sewer<br>Rehabilitation  | Close-Out              | \$27,304,000                | Anaheim,<br>Buena Park,<br>Cypress, Los<br>Alamitos, Seal<br>Beach |
| 3-64C             | Los Alamitos Sub-Trunk and<br>Westside Relief Interceptor<br>Rehabilitation | Construction           | \$52,700,000                | Cypress, La<br>Palma, Los<br>Alamitos                              |
| 3-67              | Seal Beach Pump Station<br>Replacement                                      | Construction           | \$132,500,000               | Seal Beach                                                         |
| 5-67              | Bay Bridge Pump Station<br>Replacement                                      | Construction           | \$171,397,000               | Newport Beach                                                      |
| 5-68              | Newport Beach Pump Station Pressurization Improvements                      | Close-Out              | \$2,700,000                 | Newport Beach                                                      |
| 6-20              | Fairview Sewer Rehabilitation                                               | Design                 | \$25,000,000                | Costa Mesa                                                         |
| 7-63              | MacArthur Pump Station<br>Rehabilitation                                    | Project<br>Development | \$16,200,000                | Newport Beach                                                      |
| 7-65              | Gisler-Red Hill Interceptor<br>and Baker Force Main<br>Rehabilitation       | Construction           | \$55,500,000                | Costa Mesa,<br>Irvine                                              |

## ORANGE COUNTY SANITATION DISTRICT

#### **Collection System Projects Continued**

| Project<br>Number | Project Title                               | Status                 | Project Budget<br>(Rounded) | Location(s)                       |
|-------------------|---------------------------------------------|------------------------|-----------------------------|-----------------------------------|
| 7-68              | MacArthur Force Main<br>Improvements        | Close-Out              | \$6,400,000                 | Newport Beach                     |
| 7-69              | North Tustin-Orange Sewer<br>Rehabilitation | Project<br>Development | \$33,800,000                | Orange, Tustin,<br>Unincorporated |
| 11-33             | Edinger Pump Station<br>Replacement         | Design                 | \$36,500,000                | Huntington<br>Beach               |

#### **Reclamation Facilities Projects**

| Project<br>Number | Project Title                                                                    | Status                 | Project Budget<br>(Rounded) |
|-------------------|----------------------------------------------------------------------------------|------------------------|-----------------------------|
| P1-105            | Headworks Rehabilitation at Plant 1                                              | Construction           | \$340,000,000               |
| P1-126            | Primary Sedimentation Basins No. 3-5<br>Replacement at Plant No. 1               | Design                 | \$201,000,000               |
| P1-128A           | Headquarters Complex at Plant No. 1                                              | Close-Out              | \$167,819,000               |
| P1-132            | Uninterruptable Power Supply Improvements at Plant 1                             | Construction           | \$9,600,000                 |
| P1-133            | Primary Sedimentation Basins No. 6-31 Reliability<br>Improvements at Plant No. 1 | Construction           | \$12,100,000                |
| P1-134            | South Perimeter Security and Utility Improvements at Plant No.1                  | Closed                 | \$8,150,000                 |
| P1-137            | Support Buildings Seismic Improvements at Plant No. 1                            | Design                 | \$30,500,000                |
| P1-138            | Industrial Control System and IT Data Center<br>Relocation at Plant No. 1        | Project<br>Development | \$16,500,000                |
| P1-140            | Activated Sludge-1 Rehabilitation at Plant No. 1                                 | Design                 | \$470,000,000               |

#### **Reclamation Facilities Projects Continued**

| Project<br>Number | Project Title                                                          | Status                 | Project Budget<br>(Rounded) |
|-------------------|------------------------------------------------------------------------|------------------------|-----------------------------|
| P1-141            | Administrative Facilities Demolition                                   | Design                 | \$4,286,000                 |
| P1-142            | Trickling Filter Media Replacement at Plant No. 1                      | Design                 | \$42,000,000                |
| P2-98A            | A-Side Primary Clarifiers Replacement at Plant 2                       | Construction           | \$165,894,453               |
| P2-124            | Interim Food Waste Receiving Facility                                  | Design                 | \$10,000,000                |
| P2-127            | Collections Yard Relocation and Warehouse<br>Demolition at Plant No. 2 | Close-Out              | \$9,400,000                 |
| P2-128            | Digester Replacement at Plant No. 2                                    | Preliminary<br>Design  | \$555,000,000               |
| P2-128A           | South Perimeter Wall and Soil Improvements at Plant No. 2              | Construction           | \$33,000,000                |
| P2-135            | Chemical Systems Rehabilitation at Plant No. 2                         | Design                 | \$9,430,000                 |
| P2-136            | Activated Sludge Aeration Basin Rehabilitation at Plant No. 2          | Preliminary<br>Design  | \$65,600,000                |
| P2-137            | Digesters Rehabilitation at Plant No. 2                                | Design                 | \$47,520,000                |
| P2-137A           | Digester P and R Dome Tendon Repair                                    | Construction           | \$3,680,000                 |
| P2-138            | Operations and Maintenance Complex at Plant No. 2.                     | Preliminary<br>Design  | \$178,000,000               |
| P2-140            | Truck Loading Bay Odor Control Improvements at Plant No. 2             | Project<br>Development | \$9,700,000                 |
| P2-141            | Headworks Electrical Distribution<br>Improvements at Plant No. 2       | Project<br>Development | \$34,652,000                |
| J-98              | Electrical Power Distribution System Improvements                      | Design                 | \$43,000,000                |
| J-117B            | Outfall Low Flow Pump Station                                          | Construction           | \$146,656,684               |
| J-120             | Process Control Systems Upgrades                                       | Construction           | \$28,700,000                |

#### **Reclamation Facilities Projects Continued**

| Project<br>Number | Project Title                              | Status                 | Project Budget<br>(Rounded) |
|-------------------|--------------------------------------------|------------------------|-----------------------------|
| J-120A            | Control Room Reconfiguration at Plant No.1 | Construction           | \$3,800,000                 |
| J-124             | Digester Gas Facilities Rehabilitation     | Design                 | \$190,000,000               |
| J-128             | Project Management Information System      | Design                 | \$2,280,000                 |
| J-133             | Laboratory Replacement at Plant No. 1      | Project<br>Development | \$129,300,000               |
|                   |                                            | ·                      |                             |
| J-135B            | Engine and Generator Overhauls             | Construction           | \$36,638,000                |
|                   | at Plant No. 1 and 2                       |                        |                             |
| J-135C            | Engine and Generator Overhauls             | Project                | \$31,140,000                |
|                   | at Plant No. 1 and 2, Phase 2              | Development            |                             |
| J-137             | Ocean Outfalls Rehabilitation              | Design                 | \$100,000,000               |
| J-138             | Central Generation Facilities and          | Project                | \$17,500,000                |
|                   | OOBS Seismic Upgrades                      | Development            |                             |
| J-139             | Process Control System Alarm Optimization  | Project                | \$6,439,000                 |
|                   |                                            | Development            |                             |

#### **Small Projects**

| Project<br>Number | Project Title                                                   | Status       | Project Budget<br>(Rounded) |
|-------------------|-----------------------------------------------------------------|--------------|-----------------------------|
| FE18-06           | CenGen Instrument Air Compressors<br>Replacement at Plant No. 1 | Design       | \$1,150,000                 |
| FE18-13           | Redhill Relief Sewer Relocation at State Route 55               | Construction | \$5,010,000                 |
| FE19-01           | Pump Station Portable Generator Connectors                      | Construction | \$2,730,000                 |
| FE19-02           | Cengen Plant Water Pipe Replacement at Plant No. 1              | Construction | \$5,725,000                 |

#### **Small Projects Continued**

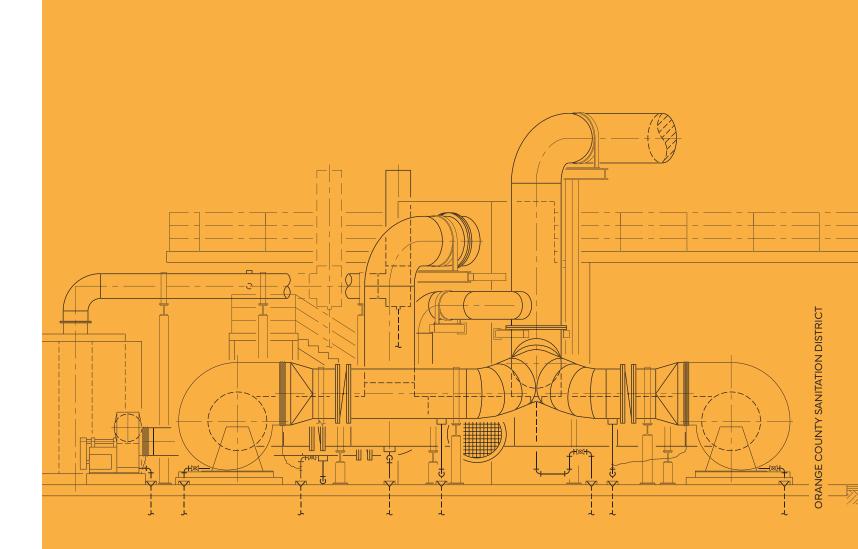
| Project<br>Number |                                                                               |              | Drainat Dudgat              |
|-------------------|-------------------------------------------------------------------------------|--------------|-----------------------------|
|                   | Project Title                                                                 | Status       | Project Budget<br>(Rounded) |
| FE19-03           | Trickling Filter Sludge and Scum Pumps<br>Replacement at Plant No. 1          | Construction | \$2,400,000                 |
| FE19-04           | Sunflower Pump Replacement at Plant No. 1                                     | Close-Out    | \$5,175,000                 |
| FE19-08           | Secondary Treatment VFD Replacements at Plant No. 2                           | Construction | \$2,900,000                 |
| FE19-10           | Digesters C, D, F, G and I Gas Balance Lines<br>Replacement at Plant No. 2    | Construction | \$176,000                   |
| FE19-11           | Primary Clarifiers Nos. 6-31 Lighting and Alarm Improvements at Plant No. 1   | Construction | \$440,000                   |
| FE20-02           | Digester C, D, F, and G Mechanical Rehabilitation at Plant No. 2              | Construction | \$6,622,000                 |
| FE20-04           | Cengen Cooling Water Pipe Replacement at Plant No. 2                          | Construction | \$6,080,000                 |
| FE20-05           | Plant Water Piping Replacement at Secondary<br>Clarifiers 1-26 at Plant No. 1 | Construction | \$2,485,000                 |
| FE20-08           | Olive Sub-Trunk Siphon Rehabilitation<br>at Santa Ana River                   | Construction | \$3,500,000                 |
| FE21-01           | Plasma Cutting Fume Extractor installation at Plant No. 1 Rebuild Shop        | Design       | \$400,700                   |
| FE21-04           | Thickening and Dewatering Facility Handrail<br>Installation at Plant No. 1    | Close-Out    | \$510,000                   |
| FE21-07           | Liquid Oxygen Tank A Replacement<br>at Plant No. 2                            | Construction | \$3,800,000                 |
| FE21-08           | Newhope-Placentia Sewer Manhole<br>Replacements                               | Construction | \$1,225,000                 |
|                   | Platform Modifications for Process Areas                                      | Construction | \$1,300,000                 |

#### **Small Projects Continued**

| Project<br>Number | Project Title                                                                      | Status                 | Project Budget<br>(Rounded) |
|-------------------|------------------------------------------------------------------------------------|------------------------|-----------------------------|
| FE22-02           | Liquid Oxygen Tank B Replacement at Plant No. 2                                    | Construction           | \$4,200,000                 |
| FE23-01           | Digester Gas Compressor Dryer Replacements at Plant Nos. 1 and 2                   | Construction           | \$7,500,000                 |
| FE23-03           | Wetwell Level Monitoring Upgrade at Collections Pump Stations                      | Design                 | \$2,660,000                 |
| FE23-04           | Truck Loading Scale Replacement at Plant No. 2                                     | Construction           | \$916,000                   |
| FE23-05           | Primary Clarifier Nos. 6-31 Scum Pump<br>Replacement at Plant No. 1                | Project<br>Development | \$3,789,000                 |
| FE23-06           | HVAC Replacements at Plant Nos. 1 and 2                                            | Construction           | \$2,840,000                 |
| FE23-07           | Pipeline Utility Easement Clean Up in<br>Huntington Beach                          | Design                 | \$5,198,000                 |
| FE23-08           | Power Buildings 7 and 8 HVAC Replacement at Plant No. 1                            | Construction           | \$850,000                   |
| FE23-09           | Primary Clarifiers F and G Rotating Mechanism<br>Rehabilitation at Plant No. 2     | Construction           | \$5,250,000                 |
| FE23-10           | 12 kV Switchgear Replacement for Power<br>Building 5 at Plant No. 1                | Project<br>Development | \$3,420,000                 |
| FE24-01           | Chopper Pump Trial for Digester Mixing at Plant No. 1                              | Construction           | \$160,000                   |
| FE24-02           | Gas Compressor Building Heat Exchanger<br>Replacement at Plant No. 1               | Design                 | \$640,000                   |
| FE24-05           | Long Outfall Air Vent Valve Relocation at Plant No. 2                              | Project<br>Development | \$400,000                   |
| FE24-06           | Building 6, Control Center, & Laboratory Elevator<br>Rehabilitation at Plant No. 1 | Project<br>Development | \$780,000                   |

#### **Small Projects Continued**

| Project<br>Number | Project Title                                                                   | Status                 | Project Budget<br>(Rounded) |
|-------------------|---------------------------------------------------------------------------------|------------------------|-----------------------------|
| FE24-10           | Activated Sludge Clarifier D, G, and J Equipment<br>Replacement at Plant No. 2  | Project<br>Development | \$7,280,000                 |
| FE24-11           | Steve Anderson Lift Station Variable Frequency Drive Replacement at Plant No. 1 | Construction           | \$680,000                   |
| FE25-02           | Headquarters Pantry Electrical Improvements at Plant No. 1                      | Project<br>Development | \$220,000                   |
| FE25-03           | Headquarters' Interview and<br>Conference Room Improvements                     | Project<br>Development | \$500,000                   |



## **AWARDS** & HONORS

Headquarters Building



#### Golden Hub Award (2025)

Environmental Sustainability & Energy Efficiency Category Association of California Cities -Orange County

#### Calibre Design Award (2025)

Public & Community Spaces Category International Interior Design Association - Southern California Chapter

#### Merit Award (2025)

Interior Lighting Design Category Illuminating Engineering Society

#### Project of the Year (2024)

CA Green Building Awards U.S. Green Building Council California



#### Honor Award (2024)

Energy/Operational Carbon Category, CA Green Building Awards U.S. Green Building Council California

#### Design Award Winner (2024)

Civic | Culture Category Southern California Development Forum

#### Los Alamitos Construction Project

#### Project of the Year - Silver (2025)

Community Engagement & Outreach Category Santa Ana River Basin Section of the California Water **Environment Association** 



#### Groundwater Replenishment System Final Expansion Event

#### Best in Show Award (2024)

California Association of Public information Officers

#### Epic Award (2024)

California Association of Public Information Officers

#### CIP Annual Report Fiscal Year 2023-24, 70 Years of Environmental Excellence

#### Silver Award (2024)

Design & Print Collateral – Annual Report Category Davey Awards



#### **OC San Headquarters**

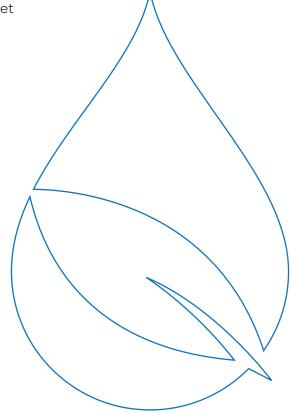
18480 Bandilier Circle Fountain Valley, California 92708

#### **Reclamation Plant No. 1**

10844 Ellis Avenue Fountain Valley, California 92708

#### **Reclamation Plant No. 2**

22212 Brookhurst Street Huntington Beach, California 92646





714.962.2411 forinformation@ocsan.gov

@OCSanDistrict

