

ORANGE COUNTY SANITATION DISTRICT

# pipeline

JULY  
AUGUST 2022

YOUR SOURCE FOR OC SAN NEWS AND INFORMATION

# SUMMERTIME

*Fun*

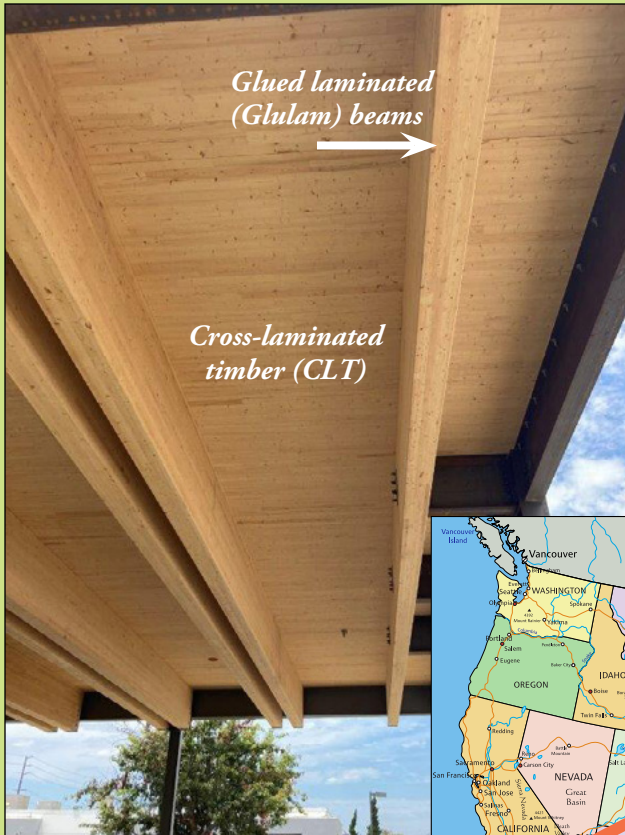


# Did you know Our Headquarters is part Canadian, eh?

The new Headquarters Building features mass timber. Here are some interesting facts...

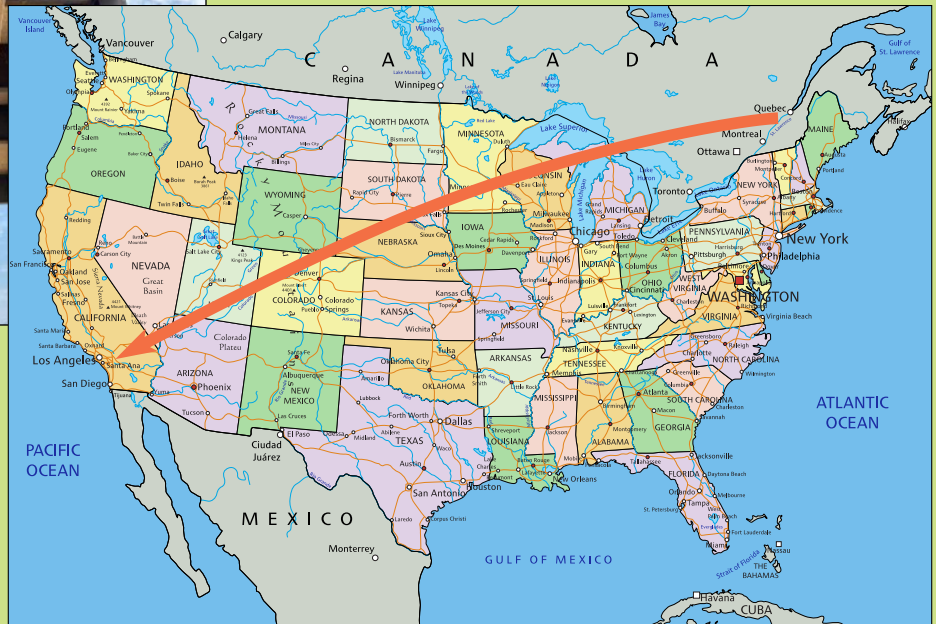
1. The timber is from the Boreal Forest in Chibougamau, Canada (Northern Quebec).
2. One type of mass timber being used are glued laminated (glulam) beams. They are made up of individual 2-inch by 3-inch wood members that are glued and pressed together.

The largest beam measures 12 ¼-inch wide by 49 ½-inch deep and 73 feet long. When the building is complete and you visit the lobby area, look up and try to find this beam.



View of two different types of mass timber used in the boardroom of the new Headquarters Building.

3. Another type of mass timber is called cross-laminated timber (CLT). The CLT floors are made up of 2-inch by 4-inch wood members that are glued and pressed together, and every lamination is rotated 90 degrees at every layer.
4. It is made up of Spruce Pine Fir which contains 90 percent Black Spruce (which actually happens to be a very light colored wood).
5. The mass timber was shipped via rail from Quebec to Bakersfield, CA and then trucked to the site for a total distance of 3,350 miles.
6. Mass timber construction is built with tolerances as small as 1/16 inch vs. steel and concrete that typically requires 1/4 inch.
7. With the install of mass timber, crews are typically built up with 7-10 craft people per project. With steel and concrete buildings, crew sizes can be 2-3 times that size.
8. Many mass timber elements are both structural support as well as custom light fixtures with embedded lights. The design and construction team collaborated on every detail down to screws and conduit clips. 💧



Look at how far the lumber traveled.

# CONSTRUCTION CORNER

## More than a little refresher

Everything needs a little refreshing and that includes the circular clarifiers at Plant No. 2. The primary treatment facilities at Plant No. 2 consist of 14 circular clarifiers which are supported by influent piping, influent distribution structures, effluent piping, and sludge pumping units.

Wondering why they are covered? The geodesic domes which cover the clarifiers collect foul air from the clarifiers for conveyance and

treatment at two foul air scrubbing complexes.

To prolong the life of the facility, we recently rehabilitated 10 clarifiers. Construction is now underway to replace the remaining four clarifiers. This project also includes a new odor control system, and a new power building to serve the entire primary complex.

Over the next couple of months there will be pile driving for shoring

installation of the new structures. A drill rig will dig a hole deep into the foundation site where the layers of soil are harder. After drilling, a reinforcing steel or rebar cage (known as a “pile”), will be lowered into the hole with a crane and then a long pipe called a tremie is lowered to the bottom of the hole. Concrete is pumped through the tremie pipe to fill the pile from the bottom to the top.

The \$111 million project is scheduled for completion in 2026. 💧



*Aerial view of the existing Primary Clarifiers at Plant No. 2 in Huntington Beach.*

*Four new Primary Clarifiers will be constructed at Plant No. 2 in Huntington Beach.*







**Bobby Martinez**, (Div. 230) Sea World Trip with sons Gabriel and Isiah.



**Daisy Covarrubias**, (Div. 140) Family vacation in Lake Tahoe.



**Carrie Robles**, (Div. 110) Hanging out with Jo Koy.



**Duncan McGraw**, (Div. 870) Bike Rides past Newport Pier with Daughter Maia.



**Lori Shimomura**, (Div. 880) Daughter graduated as a 2nd Lieutenant from the US Air Force Academy in Colorado Springs in May 2022.



**Yen Kiang**, (Div. 630) Poland, June 2022.

# SUMMERTIME fun



**Monica Sanchez**, (Div. 230) This is the BAPS Shri Swaminarayan Mandir (Temple) located in Chino Hills.



Sisters, **Christiana Richardson**, (Div. 830) and **Aaliyah Richardson**, (Div. 140) horseback riding on the beaches of Cabo San Lucas.



**Robert Carman**, (Div. 770) Me and my dog Ringo camping at Palomar Mountain Observatory 4th of July weekend.



**Kelly Newell**, (Div. 140) Family vacation in Lake Arrowhead.



**Lori McKinley**, (Div. 620) Summer hikes in the local mountains with the gal pals.



**Valerie Ratto**, (Div. 750) London in the Summer. Check out Big Ben in the back.

# In Memoriam

**Craig Ayers** — Former employee  
 Craig Ayers passed away on April 27, 2022. He began his OC San career in August 1979 and retired in January 1990. He will be greatly missed.



**Vladimir Kogan, PhD** — Former employee, Dr. Vladimir Kogan, passed away April 30, 2022. Dr. Kogan worked at OC San for 25 years from February 1990 - October 2015 and retired as a Senior Scientist and lead of the Air Quality Environmental Compliance team.

Dr. Kogan left his imprint on all that he touched. His research and scientific discoveries helped shape the industry of emission reductions we reap today. Rest in peace Dr. Kogan. Always remembered, forever missed.



**Brian Bingman** — A beloved member of the Engineering Department unexpectedly passed away on Saturday, July 23 at the young age of 54. Brian left this world doing one of the things he loved most, being a great father to his two boys and Scout leader to many others. Brian joined OC San in 1996 and after 25 years of service retired in March to spend more time with his wife Deirdre and their two sons.

Brian will be remembered as one of the best, most dependable engineers that we've ever had the pleasure to work with. But more than that, as a passionate, caring, and humble person. Brian brightened OC San and everyone lucky enough to meet him with his presence — he was a good friend to all, and he will be missed. 💧

## CORE AWARDS

Congratulations to the following Core Award recipients (May 27 through August 3, 2022).

- |                   |                 |
|-------------------|-----------------|
| Bryan Willis      | Dawn Myers      |
| Tony Briseno      | Case Spencer    |
| Sergio Chairez    | Jereme Stone    |
| Tracey Murphy     | Kevin Nugent    |
| Mike Rose         | Thys DeVries    |
| Shane Milligan    | Janine Aguilar  |
| James Arthur      | Matthew Perry   |
| Thomas Vu         | Paul Raya       |
| Moyo Abiodun      | Dominic Duffert |
| Mortimer Caparas  | Baylee Bontems  |
| Andrew Ortiz      | Camille Gillon  |
| Shallee Milligan  | Sergio Gonzalez |
| Jackie Lagade     | Laurie Klinger  |
| Denise Martinez   | Lourdes Luna    |
| Daisy Covarrubias | Marie Martin    |
| Rhea DeGuzman     | Adam Montoya    |
| Kiranpreet Kaur   | Laura Terriquez |
| Rebecca Long      |                 |

### Wishing the best to...

**George Robertson**, Senior Scientist retired on July 14, 2022 after 33 years of service.

**Mark Kibby**, Boat Captain retired on July 28, 2022 after 9 years of service. 💧

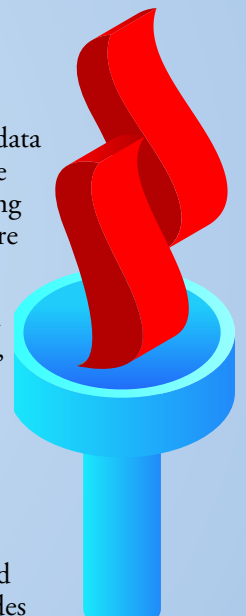
# Passing the Torch

The Process Control Systems Upgrades Project (J-120) is replacing OC San's supervisory control and data acquisition (SCADA) system named Copeland Rolland Interpreted Sequential Processor (CRISP). The new program is called ABB Ability™ System 800xA which is a digital solution that improves engineering efficiency, operator performance and asset utilization. Our current program has been in service for more than 20 years and is used by plant operators to control and monitor process equipment.

We recently completed an important milestone where a team of four staff from Division 760 provided remote training to the J-120 contractor. The training focused on OC San's existing SCADA standards, and lessons learned while implementing CRISP, from all the way back in the pre-Y2K era.

Frank Steiger and Dave Halverson, the founding fathers of Process Control Integration (PCI), were assisted by Ian Curry and Mohaab Abodia, two of the PCI group's youngest members, as they worked together to host multiple days of remote training for ABB staff joining from Cleveland, Houston, Pennsylvania, and the Mt. Langley building.

As with all good things, CRISP must come to an end, but thanks to the efforts of Frank, Dave, Ian and Mohaab, ABB will be implementing System 800xA and developing new SCADA standards with decades of experience as a foundation. 💧





# CELEBRATING 25 YEARS

**Dave Halverson,** (Div. 760)

*“My journey with OC San started in 1995 when I was working for a consultant, CH2M Hill. OC San hired CH2M Hill to create Programmable Logic Controller (PLC) and supervisory control and data acquisition standards for their Modicon PLCs and Copeland Rolland Interpreted Sequential Processor systems for the J-31 project. While working on J-31 for two years, an IT Analyst position in the Process Controls Integration (PCI) group was opened. The manager of PCI at the time, Rob Thompson, lured me away from CH2M Hill, promising riches and benefits. I devoted 20 years of my life in PCI, where I programmed, commissioned, and trained some of the largest processes at OC San. My favorite projects were P1-37, J-77, P1-102, P2-89 and P1-101 to name a few. For the last 5 years, I have been a Design Engineering Supervisor. I have worked with some of the most intelligent, authentic, and kind people.*

*A few fun facts during my 25 years at OC San: I have worked for 4 managers and moved offices 3 times. I have changed department numbers too many times to count and have changed my Windows password 38 times.*

*In my personal life, I live in Huntington Beach with my wonderful wife, and we have raised three sons who have all become Mechanical Engineers. I enjoy the outdoors, traveling, and working on all the DIY projects my wife desires.*

*I have thoroughly enjoyed all my years at OC San and am looking forward to the next 25!”* 💧



# CELEBRATING 20 YEARS

**Stephanie Archie,** (Div. 710)

*“Thank you to OC San for acknowledging my 20 years of service here. It has gone by really fast, and I have really enjoyed my work here. More importantly, the professional and personal relationships I have established while working here has meant so much to me. It has been fun and challenging too. I have always worked in the Planning Division, but I have had opportunities to support other divisions within Engineering. I have learned so much and I feel so fortunate to have the opportunity to work at an organization that is so professional, and yet cares about the individuals that work here.”* 💧



# By The Numbers

OC San’s Board of Directors recently approved a two-year budget for fiscal years 2022-23 and 2023-24. This budget lays out the framework of OC San’s activities during the next two years and serves as a source of information for OC San’s Board of Directors, our ratepayers, and our employees.

This budget includes the operating, capital improvement, and debt service expenditures necessary to support our mission and execute the Strategic Plan adopted by our Board of Directors in November 2021.

OC San’s fiscal year 2022-23 total Operating and Capital Improvement Program (CIP) budget is \$473 million, which is an increase of \$64.5 million (15.7 percent) compared to the fiscal year 2021-22 budget. The Operating Budget increase is primarily driven by increased chemical,

utility, and infrastructure maintenance/repair costs. The historically high inflation that has impacted the nation’s economy over the past year is also driving up OC San’s cost of doing business.

Here are some areas of focus for OC San for the next two years:

- Operational Readiness
- Expanded Recycling Efforts
- Headquarters Complex
- CIP
- Infrastructure Reliability and Asset Management


Interested in learning more? Visit [OCSan.gov](https://www.ocsan.gov) click on the *About Us* tab then *Budget*. 💧

# Planning For the Future

Ever wonder how the direction for the agency is set? Every year, the General Manager creates a work plan. To do this, he meets with the Executive Management Team to create goals that involve all aspects of OC San. These goals are intended to help us reach the next level of success and planned to be completed throughout the year.


The 2022-2023 General Manager Work Plan is based off of the 2021 Strategic Plan adopted by the Board of Directors on November 17, 2021. The current work plan, which took effect July 1 contains 17 individual goals organized under four focus areas:

- Business Principles
- Environmental Stewardship
- Wastewater Management
- Workplace Environment

It is truly a team effort to make the plan and OC San a success. To learn more or view the plan visit The San Box and click General Manager under the Departments tab and scroll to the GM Annual Work Plan. Happy reading! We hope you learn more about the General Manager’s vision for OC San. 




# Critter Corner

OC San is home to many critters and crawlers. In July, we had four very special visitors at Plant No. 1. Check out the picture of our special guest, osprey! If you spot some “special” guests at one of our facilities, please share those pictures to [forinformation@ocsan.gov](mailto:forinformation@ocsan.gov) to be included in an upcoming issue of *Pipeline*. 



## OC San Accolades

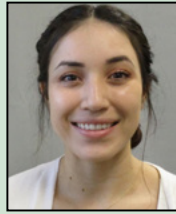
- **The National Association of Clean Water Agencies (NACWA)** awarded OC San the **Platinum Peak Performance Award**. The Platinum Peak Performance Award recognizes member agencies for achieving 100 percent water discharge permit compliance over a consecutive five-year period. This is the fifth year that OC San has received the Platinum award.
- **Silver Distinction awards** for the **2020-2021 OC San Annual Report** and the **2020-21 CIP Annual Report**. The **Communicator Award** is the leading international awards program recognizing big ideas in marketing and communications. The Award of Distinction is presented for projects that exceed industry standards in quality and achievement. This is OC San’s fourth year submitting and receiving awards.
- **2022 American Inhouse Design Awards** from **Graphic Design USA**. It is a premier competition for design professionals, with over 7,000 entries and only 10 percent recognized as a winner. The awards were given for the **2020-21 CIP Annual Report** and the **2020-21 Annual Report**.
- **Certificate of Achievement for Excellence in Financial Reporting** for its **Annual Comprehensive Financial Report** for the fiscal year 2020-2021. The **Government Finance Officers Association** grants this which is the highest form of recognition in governmental accounting and financial reporting. Its attainment represents a significant accomplishment by OC San and its management. This is OC San’s 27<sup>th</sup> consecutive year receiving this award.
- **2022 Achievement of Excellence in Procurement Award** from the **National Procurement Institute**. The award is earned by public and non-profit agencies that demonstrate a commitment to procurement excellence. This annual program recognized procurement organizations that embrace Innovation, Professionalism, Productivity, Leadership and e-Procurement.
- **Jennifer Cabral**, Administration Manager was selected as the **California Association of Public Information Officials (CAPIO) 2022 Paul B. Clark Lifetime Achievement Award** recipient. Jennifer was selected for her exceptional leadership in the field through professional commitment, including the mentoring of others and fostering a greater understanding of the public communicator function among colleagues, community and the media. The Paul B. Clark Award is the highest honor bestowed by CAPIO. 



# New Faces Welcome to OC San



**David Cortes**  
Division 230  
Office Assistant



**Jennifer Gomez**  
Division 610  
Senior Environmental Specialist



**Stephanie Gray**  
Division 620  
Engineer



**Jason Lanning**  
Division 880  
Electrical Tech II



**Christopher Le**  
Division 630  
Environmental Tech



**Sunny Yacenda**  
Division 250  
Data MgmtTech I



**Meet Hair**, my eight-year-old terrier, he loves going out and interacting with other dogs.

*Mary Farazmebr, (Div. 840)*

## ON THE MOVE

**Mohaab Abodia**, from Information Tech Analyst III to Senior Info Tech Analyst

**Aaron Arce**, from Plant Operator to Senior Plant Operator

**Christopher Jones**, from Plant Operator to Senior Plant Operator

**Alla Manson**, from Plant Operator to Senior Plant Operator

**Randy Inouye**, from Maintenance Specialist to Information Tech Analyst II

**Cory Mayne**, from Electrical Tech II to Maintenance Specialist

**Justin Fenton**, from Engineering Supervisor to Engineering Manager

**Daniel Berokoff**, from Engineer to Senior Engineer

**Hye Oh**, from Engineer to Senior Engineer

**Ian Curry**, from Sr. IT Analyst to Principal IT Analyst

**Mike Zedek**, from Senior Engineer to Engineering Supervisor

**Christopher Tucker**, from Construction Inspector to Senior Construction Inspector

**Jesse Dey**, from Electrical Tech II to Construction Inspector

**Brice Bettinghausen**, from Electrical Tech II to Construction Inspector

**Valerie Ratto**, from Senior Engineer to Engineering Supervisor

**Adam Nazaroff**, from Supervisor (Planning) to Supervisor (Construction Management)

**Nasrin Nasrollahi**, from Senior Engineer (Design) to Senior Engineer (Project Management Office)

**Scott Ahn**, from Engineer (Planning) to Engineer (Project Management Office)

## Service Awards

—30 YEARS—

Kevin Ramey

—25 YEARS—

Juan Ambriz  
Deirdre Bingman  
Dave Halverson  
Larry Jones  
Frank Steiger

—20 YEARS—

Stephanie Archie  
Gary Tuiasosopo-Kemper

—15 YEARS—

John French  
Randy Inouye  
Fernando Paramo  
Yai Phongmekhin  
Don Stokes

—10 YEARS—

Damein Frabizio  
Richard Leon  
Michael Oberly

—5 YEARS—

Natalia Bassett  
Noah Bou  
Joanne Diaz  
Beck Gass  
Michael Hino  
Emmeline McCaw