

Chapter Meeting

October 15, 2024 | San Diego Public Utilities Department

*Thank you
to our sponsor!*



Stantec



Welcome to our members! Please remember to sign-in!

Agenda

1

Welcome to San Diego Public Utilities Department!

2

Chapter Updates

- Sponsor Spotlight
- Funding & Leg/Reg Update
- Recent and Upcoming Events

3

WaterReuse Scholarships

GSDSEF Winner Presentation

4

Making Conservation a California Way of Life

San Diego County Water Authority

5

Panel: Operator Staffing for Potable Reuse

City of San Diego, East County AWP, and City of Oceanside

6

Closing Remarks

*Thank you
to our sponsor!*



**Advanced Water Treatment
for Potable Reuse**





Pure Water Southern California



- Collaboration between Metropolitan Water District of Southern California and Los Angeles County Sanitation Districts
- Up to 150 MGD of product water will be used for indirect and direct potable reuse
- Product water will be used to recharge four groundwater basins across Los Angeles and Orange counties

**Potential 150-MGD Advanced Water Treatment Facility
– Conceptual Design by Stantec and its Partners**

Courtesy: Metropolitan Water District of Southern California



0.5-MGD Napolitano Innovation Center (AWT Demonstration Facility)

Designed by Stantec and its partners – Carollo Engineers and Trussell Technologies

Courtesy: Metropolitan Water District of Southern California



The Napolitano Innovation Center also serves as a public outreach tool

Napolitano Innovation Center

Courtesy: Metropolitan Water District of Southern California



- The Napolitano Innovation Center includes MBR, RO and advanced oxidation processes for IPR demonstration
- DPR processes are being added for future testing

Napolitano Innovation Center

Courtesy: Metropolitan Water District of Southern California



Pure Water Los Angeles



Hyperion Water Reclamation Plant, El Segundo, CA

Courtesy: City of Los Angeles

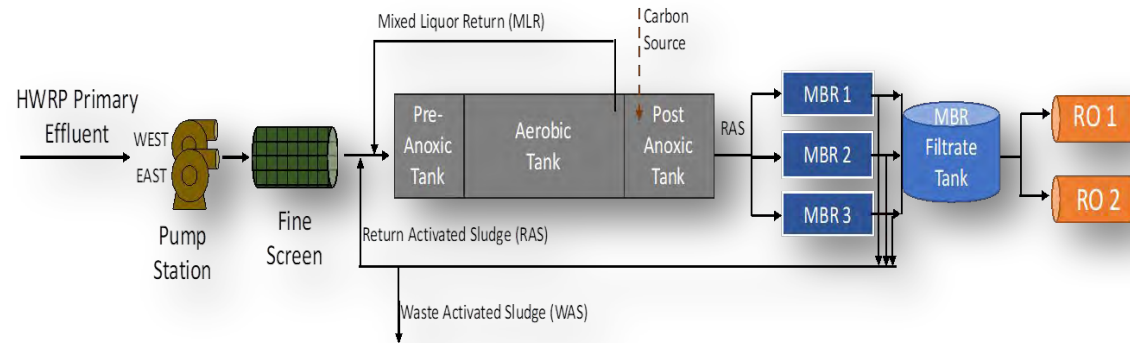
- Joint effort between City of Los Angeles' Bureau of Sanitation (LASAN) and Department of Water and Power (LADWP)
- The Program aims to meet Mayor's goal to recycle 100% of City's wastewater by 2035
- Implement new treatment infrastructure for recycling all Hyperion flows and produce up to 210 MGD of product water



- Partnership between LASAN and LADWP
- The 1.0-MGD Hyperion MBR Pilot Facility consists of MBR and RO processes to:
 - Guide the design of the full-scale advanced water treatment facility
 - Achieve regulatory approval of treatment train

Hyperion MBR Pilot Facility Designed by Stantec and its Partner Carollo Engineers

Courtesy: City of Los Angeles





City of San Diego's Pure Water Program

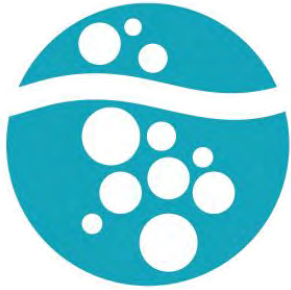


30-MGD Phase 1 North City Advanced Water Purification Facility under Construction

Stantec is serving as the Program Manager with its partners including Brown & Caldwell, Trussell Technologies, and West Coast Civil



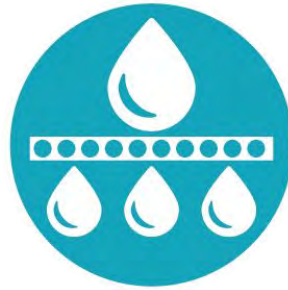
North City Pure Water Facility Process



Ozonation



**Biological
Activated
Carbon
Filters**



**Membrane
Filtration**



**Reverse
Osmosis**



**Ultraviolet
Disinfection
/Advanced
Oxidation**



City of San Diego's Pure Water Program

Phase 2:

- Up to 53 mgd in Central Area
- Central Area PWF to Murray or San Vicente Reservoirs
- Evaluating changed conditions since 2012 Clean Water Program



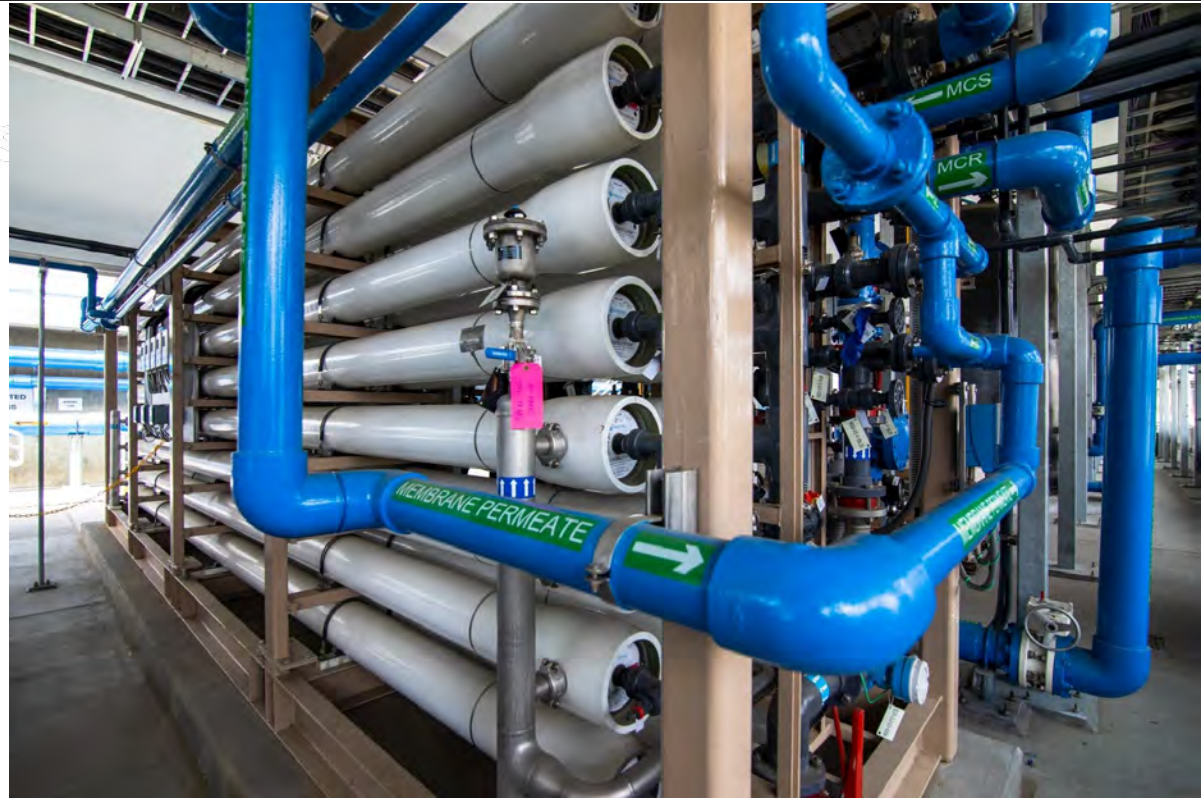
Pure Water Program Phase 2 – In Early Conceptual Planning Stage

Stantec is serving as the Program Manager with its partners including Brown & Caldwell, Trussell Technologies, West Coast Civil, Hoch Consulting



Advanced Water Treatment for Potable Reuse

Stantec



Chapter Updates

WateReuse San Diego Officers

2024 Officers



Past-President
Lindsey Stephenson
Olivenhain MWD



President
Rosalyn Prickett
Rincon Consultants



President-Elect
Mitch Bartolo
Trussell Technologies



Treasurer
Aaron Cook
Fallbrook PUD



Secretary
Jessica Cleaver
San Diego CWA



Director of PR
Antonia Estevez-Olea
West Coast Civil

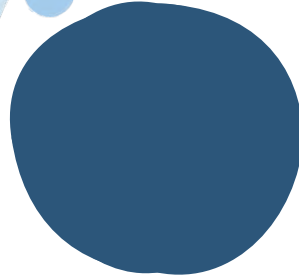


Newsletter Editor
Megan Drummy
Hazen and Sawyer



Chapter Representative
Tom Falk
San Elijo JPA

2025 Proposed Slate



Past-President



President
Rosalyn Prickett
Rincon Consultants



President-Elect
Mitch Bartolo
Trussell Technologies



Treasurer
Aaron Cook
Fallbrook PUD



Secretary
Jessica Cleaver
San Diego CWA



Director of PR
Antonia Estevez-Olea
West Coast Civil





Newsletter Editor
Megan Drummy
Hazen and Sawyer



Chapter Representative
Lindsey Stephenson
Olivenhain MWD

Leg/Reg Update

New/Increased Permit Fees

- Recycled Water Fee
 - 2023 budget change proposal
 - Production
 - Potable \$16,000
 - Non-potable \$2,800
 - Distribution/Use
 - \$1,500
- Water Quality Program
 - NPDES -  1.5%
 - WDR -  5.3%

Direct Potable Reuse

- Adopted by State Water Board December 19, 2023
- Effective October 1, 2024

Proposition 4 (Climate Bond)

- \$10 Billion for water, wildfire prevention, and climate risk protection
- \$386 Million for water recycling
- WRCA board adopted support position

Cross Connection Control Policy Handbook

- Adopted December 19, 2023
- Effective July 1, 2024

USBR WaterSMART *Water & Energy Efficiency (WEEG)*

- Second round applications due November 13, 2024

WaterReuse Events

WaterReuse California 2024



Ramona Municipal Water District
Small Recycled Water Agency



City of Escondido
Recycled Water Project



WRSD Chapter Officers

WaterReuse Events

2025 Conferences

We are hosting - located in San Diego!

2025 WaterReuse California

- September 7-9, 2025
- Town & Country Hotel
- Call for abstracts to open in late January.

*Please let us know
(WaterReuseSD@gmail.com) if you are
interested in volunteering for conference
committees!*

2025 WaterReuse National

- March 16-19, Tampa FL
- Call for abstracts is closed



Upcoming Events

Save the Date! WRSD Q4 Chapter Meeting

- 2025 Chapter Elections
- Networking
- Thursday
November 21, 2024
4:00-7:00 pm
- Location TBD

WateReuse California Committees

- CalVal (California Validation) Committee - Antonia
- Legislative & Regulatory Committee - Jesica
- Potable Reuse Permitting & Regulatory Committee - Antonia & Rosalyn
- Communications Collaborative - Megan



**San Diego County
Water Authority**

Making Conservation a California Way of Life

Elizabeth Lovsted, Water Resources Manager, SDCWA



San Diego County
Water Authority



Update on Long-Term Water Use Efficiency Standards

October 15, 2024
WaterReuse San Diego Chapter

Elizabeth Lovsted
Water Resources Manager

Timeline

2009

Senate Bill X7-7 (20% by 2020)

2016

Executive Order B-3716 entitled “Making Conservation A California Way of Life”

2022

DWR recommendations released

2014

California Water Plan Update – “Make Conservation a California Way of Life”

2018

Implementation Legislation Senate Bill 606/Assembly Bill 1668

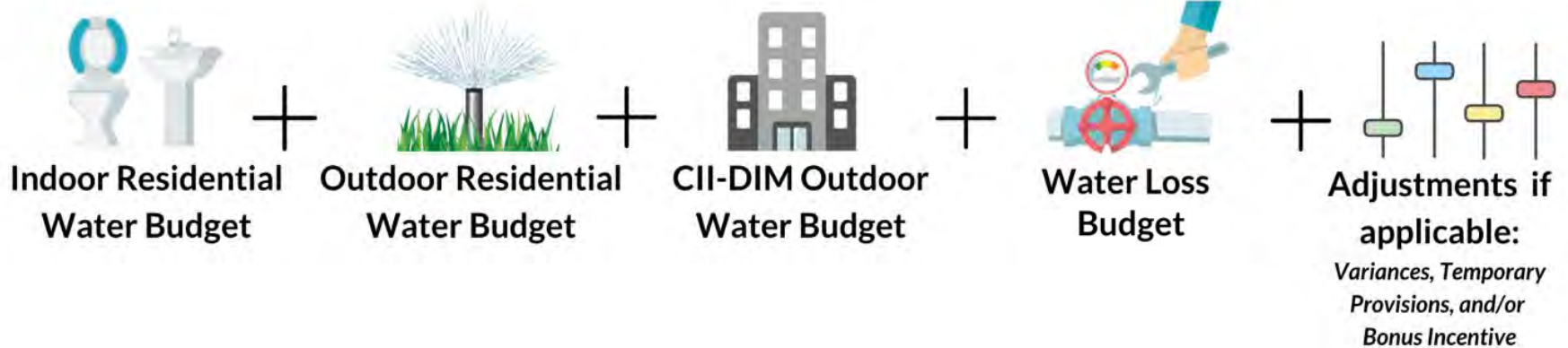
2023

Indoor legislation approved; water loss regulation adopted; SWRCB released draft regulation

Final regulation adopted on **July 3, 2024**

Urban Water Use Objective

Providers cannot exceed the **SUM** of the standards



*Agriculture and indoor CII are not part of objective, though indoor CII is covered by Performance Measures.

Indoor Residential Standards

Effective Date	Gallons per Capita per Day (GPCD) Standard
Until January 1, 2025	55
January 1, 2025 - January 1, 2030	47
January 1, 2030, on	42

- Indoor standards established by SB 1157
- DWR to conduct studies to quantify impacts on water, wastewater and recycled water systems by Oct 2028

Outdoor Standards

	Residential Standard	Commercial, Industrial and Institutional with Dedicated Irrigation Meters Standards
Through June 2035	0.8	Equivalent to active reported deliveries
July 2035 – June 2040	0.63	0.63
July 2040 on	0.55	0.45
Special Landscape Area Irrigated with Recycled Water	1.0	
Variance for High TDS	✓	✓
New Construction	0.55 Post DWR data release	0.45 Post July 1, 2028

Potable Reuse Bonus Incentive

- Provides a bonus for potable reuse that is added to the Water Use Objective
- Based on how much potable reuse is within the potable deliveries associated with the Water Use Objective
- Existing facilities capped at 15% of the Water Use Objective
 - Certified environmental documents before January 1, 2019
 - Producing and delivering potable reuse water on or before January 1, 2022
 - Uses microfiltration and reverse osmosis technologies
- Other facilities capped at 10% of the Water Use Objective



Impacts



Water use objective will be set based on the overall water use of urban water suppliers.

*Suppliers do not have to meet each standard individually (except for water loss)
Budgets not set for individual customers*

Commercial, Industrial and Institutional



Even if a supplier is meeting its Urban Water Use Objective, it will ALSO need to comply with the Commercial, Industrial, and Institutional (CII) performance measures and reporting requirements.

Compliance and Enforcement



The State Water Board regulation defers compliance with the objectives until 2027.

Enforcement Glidepath

YEAR 1

- The State Board may issue *informational orders* pertaining to water production, water use, and water conservation to an urban retail supplier that does not meet its Urban Water Use Objective (UWUO).

YEAR 2

- The State Board may issue *written notices* to an urban retail supplier that does not meet its UWUO. May request that the supplier address areas of concern in its next annual report.

YEAR 3

- The State Board may issue a *conservation order* to an urban retail supplier that does not meet its UWUO.

YEAR 4

- The State Board may impose *civil liability* (fine) for a violation of the regulation.

Thank You!

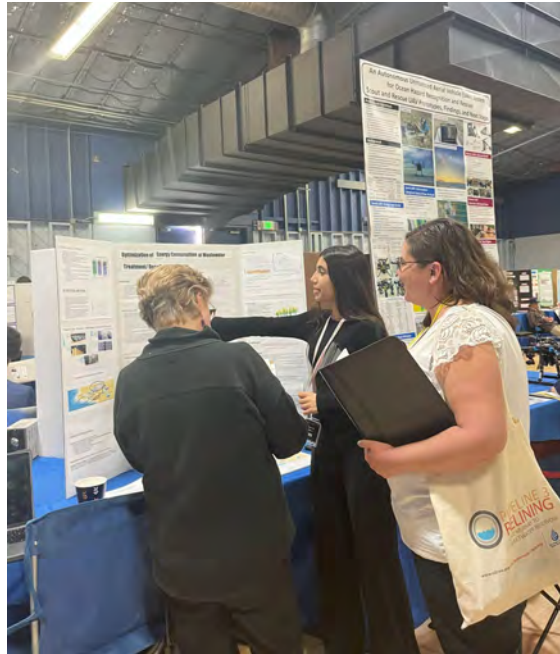


WaterReuse Scholarships

*Greater San Diego Science &
Engineering Fair*

WaterReuse Scholarships

- Thank you to our volunteer judges!!
- 6 scholarships - 3 senior and 3 junior
- \$200 each
- **Project Highlight - Sanya Kapoor**



Panel: Operator Staffing for Potable Reuse

Doug Campbell, City of San Diego

Seval Sen & Ryan Hughes, Padre Dam MWD (on behalf of East County AWP)

Rudy Guzman, City of Oceanside



Pure Water San Diego

**Phase 1 Operator Staffing
WaterReuse San Diego**

Doug Campbell
dacampbell@sandiego.gov

Pure Water

will produce nearly

1/2

of the City's water locally

Phase 2

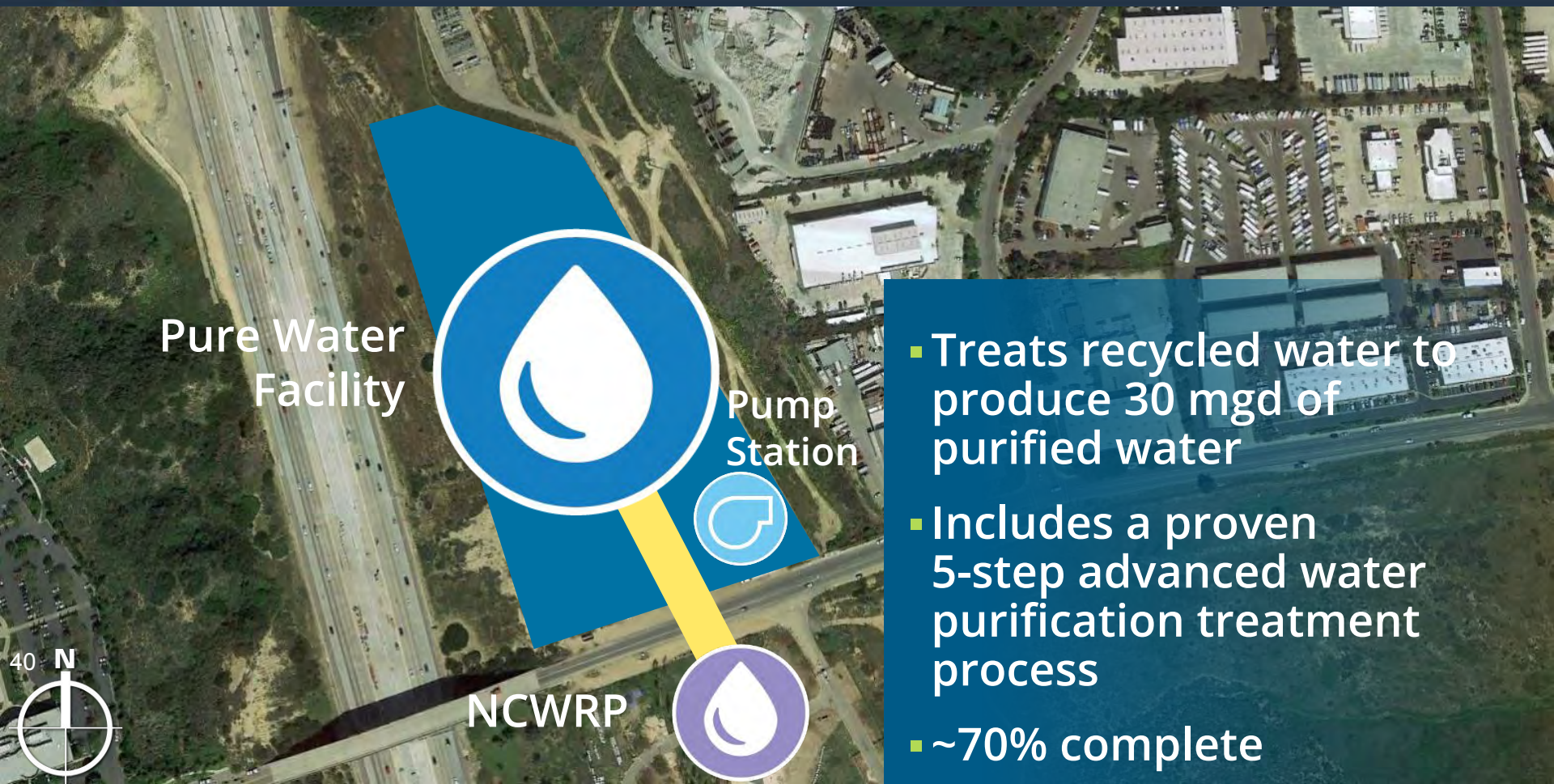
- Up to 53 mgd
- Central Area PWF to San Vicente or Lake Murray





Pure Water Infrastructure

SD North City Pure Water Facility & Pump Station



Pure Water
Facility

Pump
Station

NCWRP

- Treats recycled water to produce 30 mgd of purified water
- Includes a proven 5-step advanced water purification treatment process
- ~70% complete

SD North City Pure Water Facility



Ozonation



Biological
Activated
Carbon
Filters



Membrane
Filtration



Reverse
Osmosis



Ultraviolet
Disinfection
/Advanced
Oxidation



North City Pure Water Facility



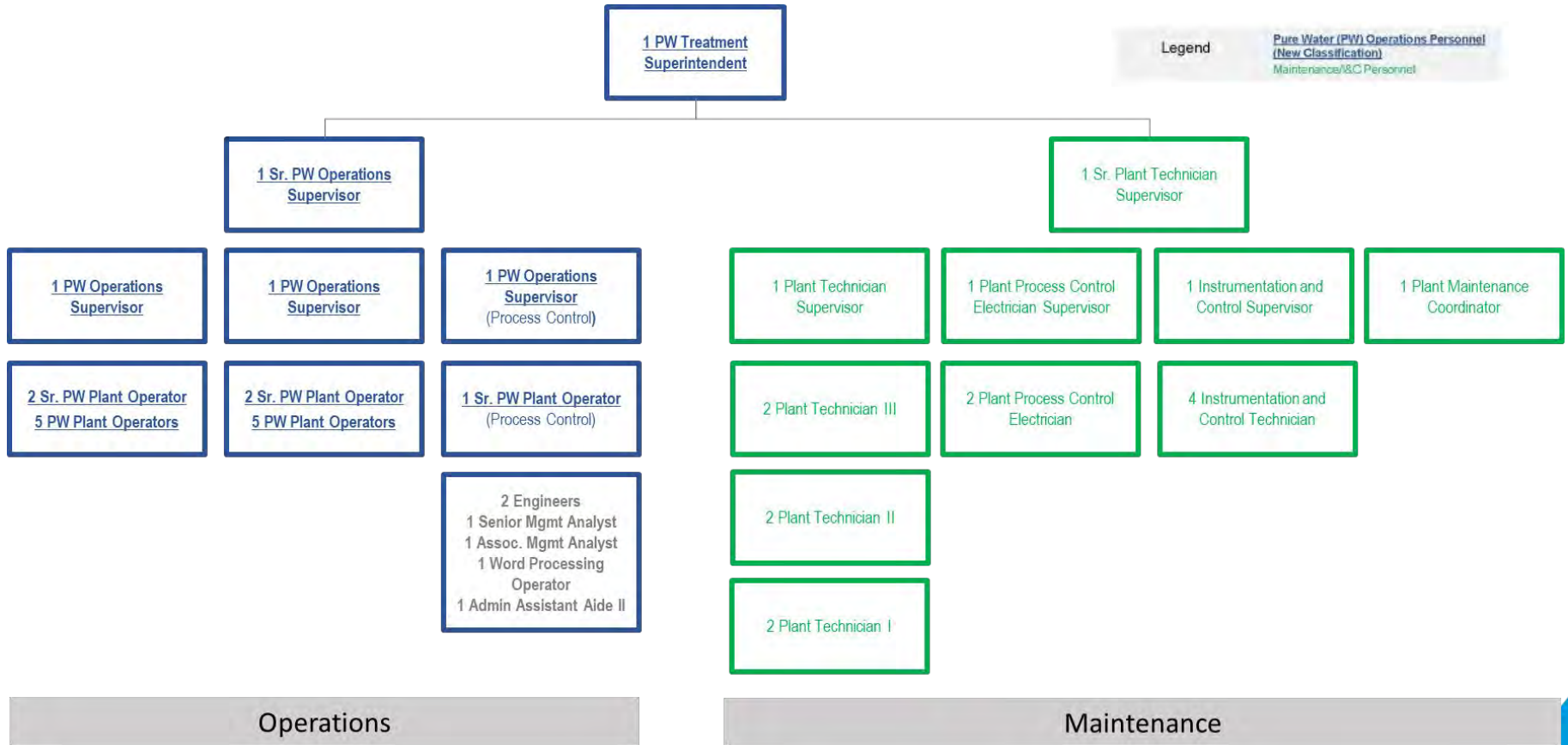
Activity ID	Activity Name	2019				2020				2021				2022				2023				2024				2025				2026				2027
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	C1
Pure Water North City O&M Readiness Hiring Plan		Pure Water North City O&M Readiness Hiring Plan																																
Budget Approval		<ul style="list-style-type: none"> FY2020 Budget Approval FY2021 Budget Approval FY2022 Budget Approval FY2023 Budget Approval FY2024 Budget Approval 																																
Pure Water North City Milestones		<ul style="list-style-type: none"> Full NTP - Construction Contractor - PWF Full NTP - Construction Contractor - Morena Pump Station Full NTP - Construction Contractor - WRP Expansion & PS and PL to NCPWF Full NTP - Construction Contractor - MBC Improvements PWF - Functional Equipment Testing - BAC Facility Intermediate Substantial Completion - WRP Expansion Intermediate Substantial Completion - Morena Pump Station Intermediate Substantial Completion - PWF 120 Day Integration Period Miramar Reservoir WTP - Startup and Testing Preparation for 7.5 mgd of Pure Water 30 Day Integrated Facilities Acceptance Test City Responsible for Operations 7.5 mgd Release of Pure Water 																																
Senior Management		<ul style="list-style-type: none"> Senior Management Deputy Director Pure Water Operations 																																
North City Pure Water Facility		North City Pure Water Facility																																
Senior Plant Technician Supervisor		Senior Plant Technician Supervisor																																
Pure Water Treatment Superintendent - AWT3		<ul style="list-style-type: none"> 8 months to Hire Pure Water Treatment Superintendent (1) Onboard Pure Water Treatment Superintendent (1) 12 Months Training for AWT3 3 Months Training at Demo Facility 																																
Senior Pure Water Operations Supervisor - AWT4		<ul style="list-style-type: none"> 8 months to Hire Senior Pure Water Operations Supervisor (1) Onboard Senior Pure Water Operations Supervisor (1) 12 Months Training for AWT3 3 Months Training at Demo Facility 																																



44+ Total FTE Positions in Pure Water Operations Division



Pure Water Operations: Organizational Chart

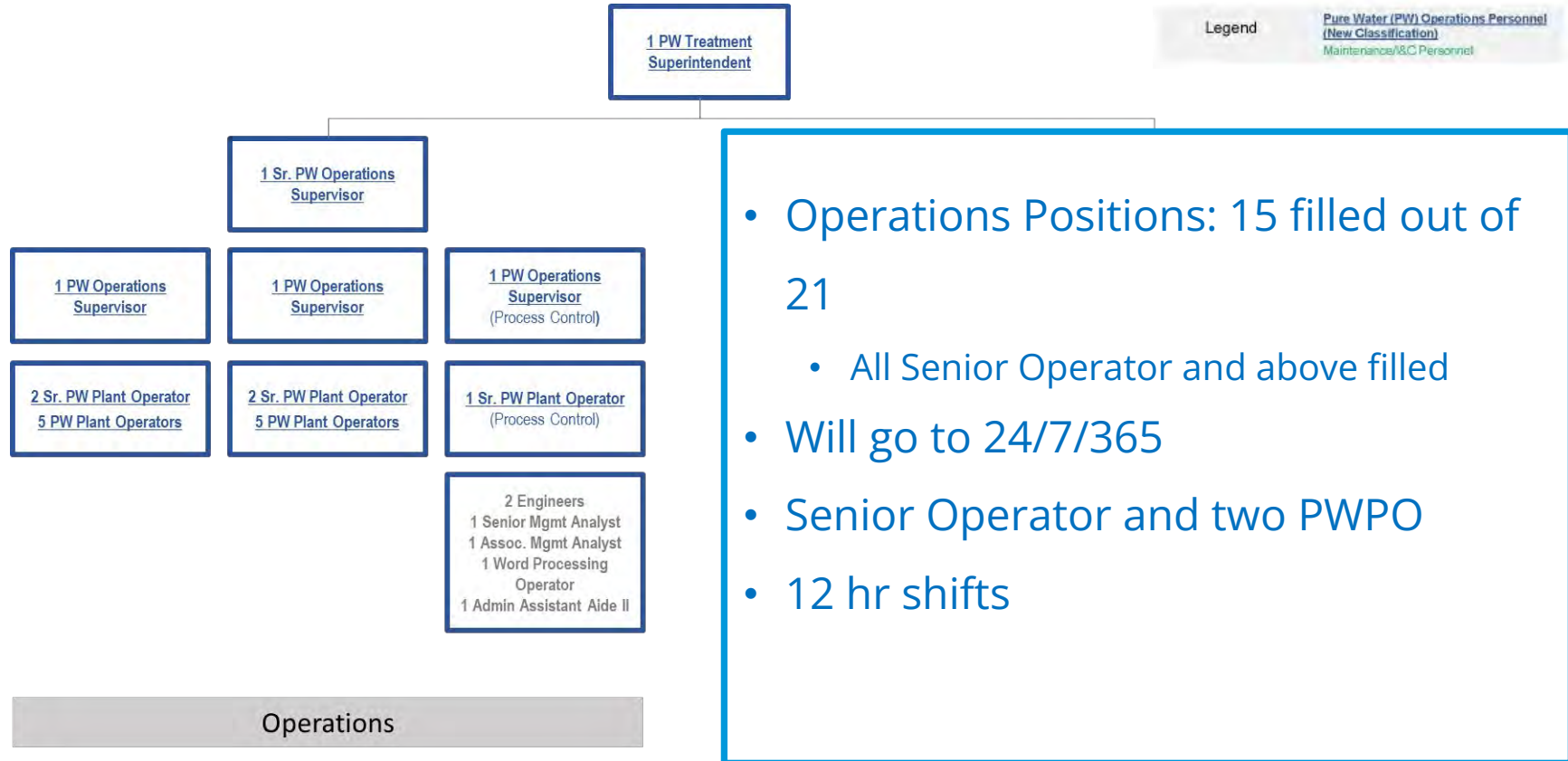


Operator Certifications: PW Operator Series

NCPWF Operator Position	Wastewater or Water Certification Requirement	AWTO Certification (Desired Prior to NCPWF Operation)
Pure Water Treatment Superintendent	<ul style="list-style-type: none"> Grade V or T5 	<ul style="list-style-type: none"> AWT 5
Senior Pure Water Operations Supervisor	<ul style="list-style-type: none"> Grade IV or T4 	<ul style="list-style-type: none"> AWT 4
Pure Water Operations Supervisor	<ul style="list-style-type: none"> Grade III or T3 	<ul style="list-style-type: none"> AWT 3
Senior Pure Water Plant Operator	<ul style="list-style-type: none"> Grade III or T3 	<ul style="list-style-type: none"> AWT 3
Pure Water Plant Operator	<ul style="list-style-type: none"> Grade II or T2 	<ul style="list-style-type: none"> N/A



Pure Water Operations: Organizational Chart



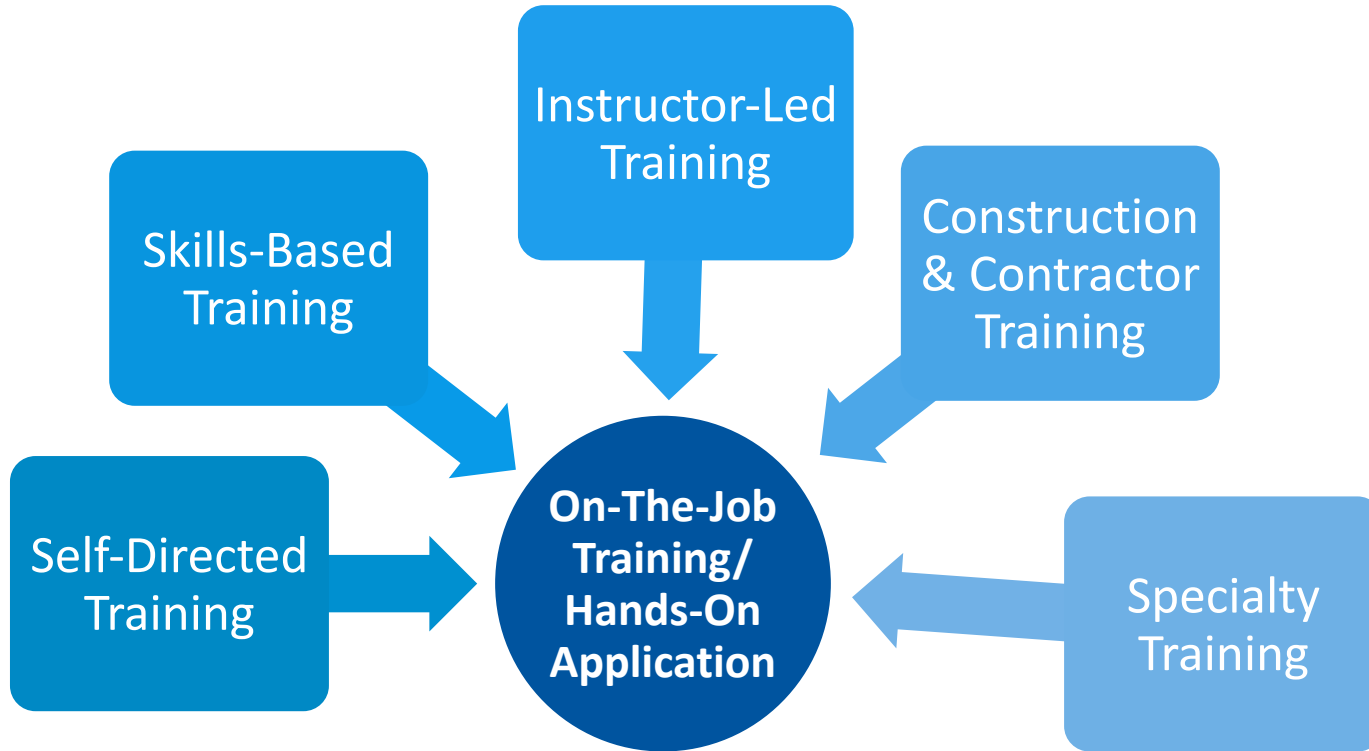
SD Ops Plan: On-going Training Program



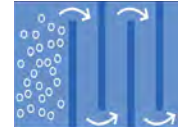
Required Topics

- a) The proper operation of all treatment processes utilized to achieve pathogen and chemical reduction
- b) Maintenance, calibration, and verification of instrumentation & analyzers
- c) Control systems, data trending, and control strategy of plant systems
- d) Incident response and investigation
- e) Hazard Analysis Critical Control Point system approach
- f) Regulations
- g) Potential adverse health effects associated with consumption of off-spec water

SD NCPWF Operator Training Program Overview



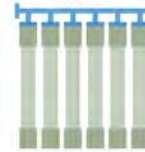
Instructor-Led Training Modules



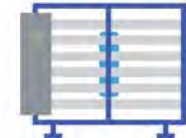
O₃



BAC



MF



RO



UV/AOP

- Held annually
- Up to 30 attendees
- Transitioning to City-led



Field Experience helps translate knowledge to practical skills





Pure Water Operations: Organizational Chart

1 PW Treatment
Superintendent

Legend
Pure Water (PW) Operations Personnel
(New Classification)
Maintenance/I&C Personnel

1 Sr. Plant Technician
Supervisor

1 Plant Technician
Supervisor

1 Plant Process Control
Electrician Supervisor

1 Instrumentation and
Control Supervisor

1 Plant Maintenance
Coordinator

2 Plant Technician III

2 Plant Process Control
Electrician

4 Instrumentation and
Control Technician

2 Plant Technician II

2 Plant Technician I

Maintenance

- 9 of 17 positions filled
- PPCE and I&CT challenging
- 44/36 M-F
- Standby lists for emergency response

What do staff do until facility commissioning?

- Submittals
- Regulatory Preparedness
 - *Operations Plan, Joint Plan, Ramp Up Plan*
 - *Commissioning sampling and monitoring plan*
 - *Miramar Reservoir tracer study plan*
 - *Regulatory requirements and reporting procedures*
- Contracts
 - *Chemical and service contracts*
 - *Subaqueous Pipeline inspection and maintenance*
- Coordination
 - *EAM / Maintenance planning*
 - *Pure Water Pipeline operations and maintenance*



- *PUD IT (SanNet wiring, conference rooms, computers, phones)*
- *General Services contracts and Fleet vehicles*

What do staff do until facility commissioning?

- Submittals

- Regulatory Preparation

- Operations Plan
- Commissioning Plan
- Miramar Reservoir
- Regulatory requirements

- Contracts

- Chemical and service contracts
- Subaqueous Pipeline inspection and maintenance

- Coordination

- EAM / Maintenance planning
- Pure Water Pipeline operations and maintenance

- PUD IT (SanNet wiring, conference rooms, computers, phones)



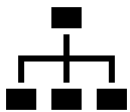
LOTS TO DO DURING
CONSTRUCTION



Start Early

Develop staffing plan

Get key O&M input regularly



Personnel & Hiring Schedule

Pay Incentives & Disincentives

Use Industry Job Boards

Integrate Flexibility (Cross-Training)



An Operator Training Program can help now





**East County
Advanced Water
Purification**

WaterReuse San Diego Chapter Meeting
May 17, 2023

EAST COUNTY ADVANCED WATER PURIFICATION



Create
a **NEW, LOCAL,**
Sustainable + Drought-proof
drinking water **SUPPLY**

**BUILDING
OUR
WATER
FUTURE**



Eliminate
15 million gallons/day of wastewater
DISCHARGE into the
Pacific Ocean



Reduce
the region's
DEPENDENCE
on imported water

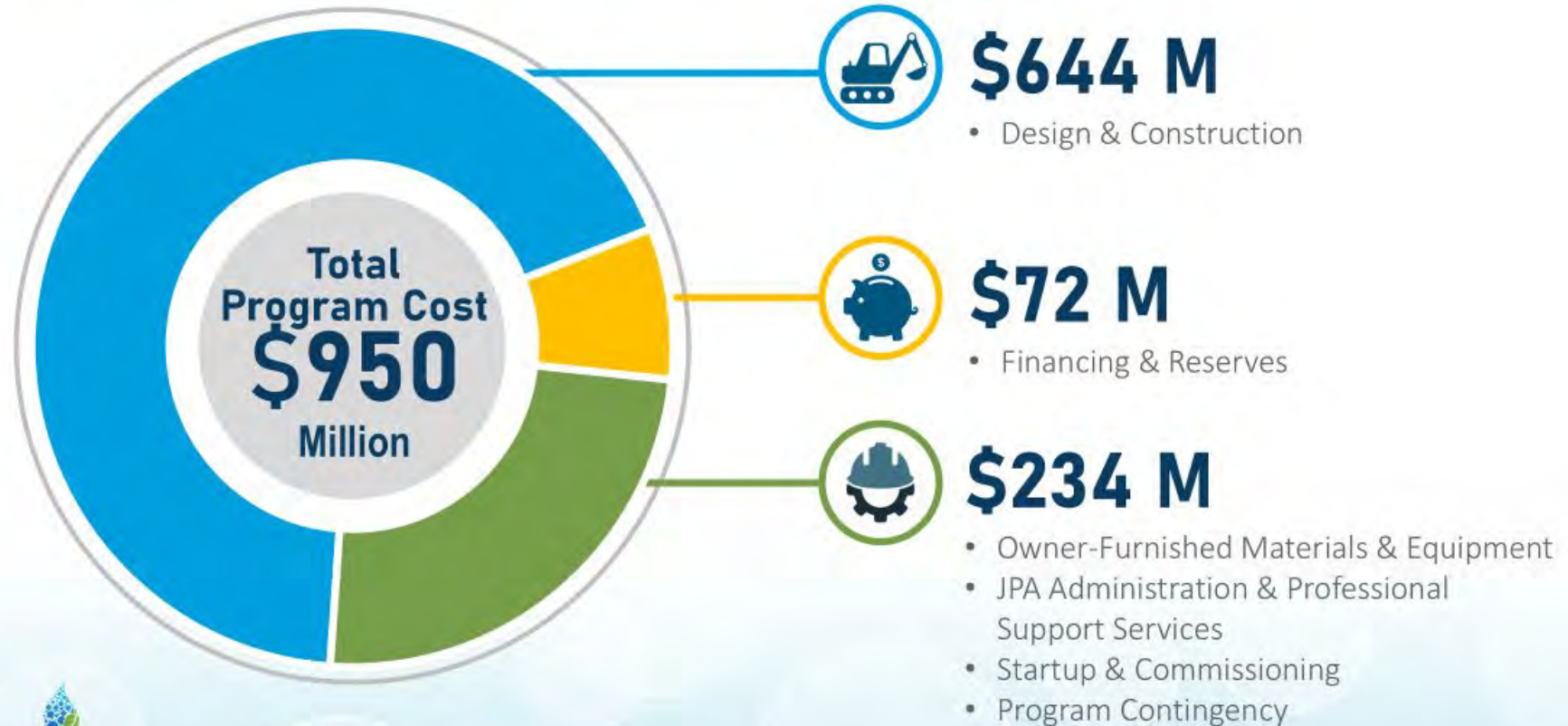


Provide
up to **30%** of
East County's
DRINKING WATER demand

GOVERNANCE STRUCTURE

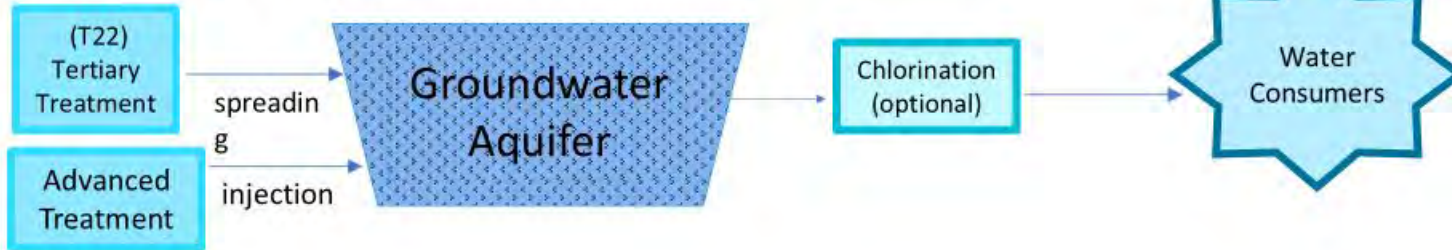


PROGRAM COST UP TO COMMERCIAL OPERATIONS



INDIRECT POTABLE REUSE

Groundwater Replenishment



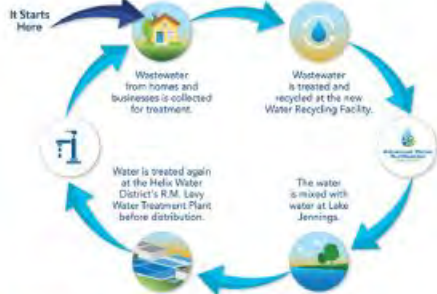
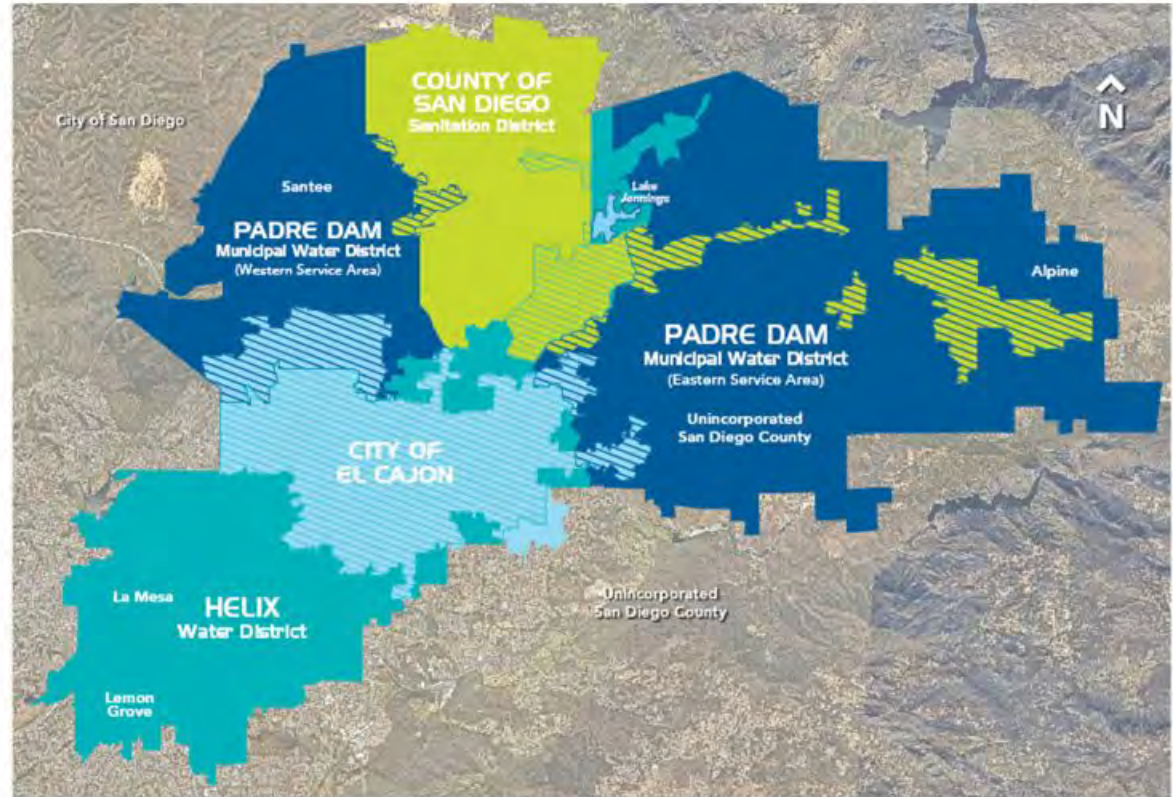
Surface Water Augmentation



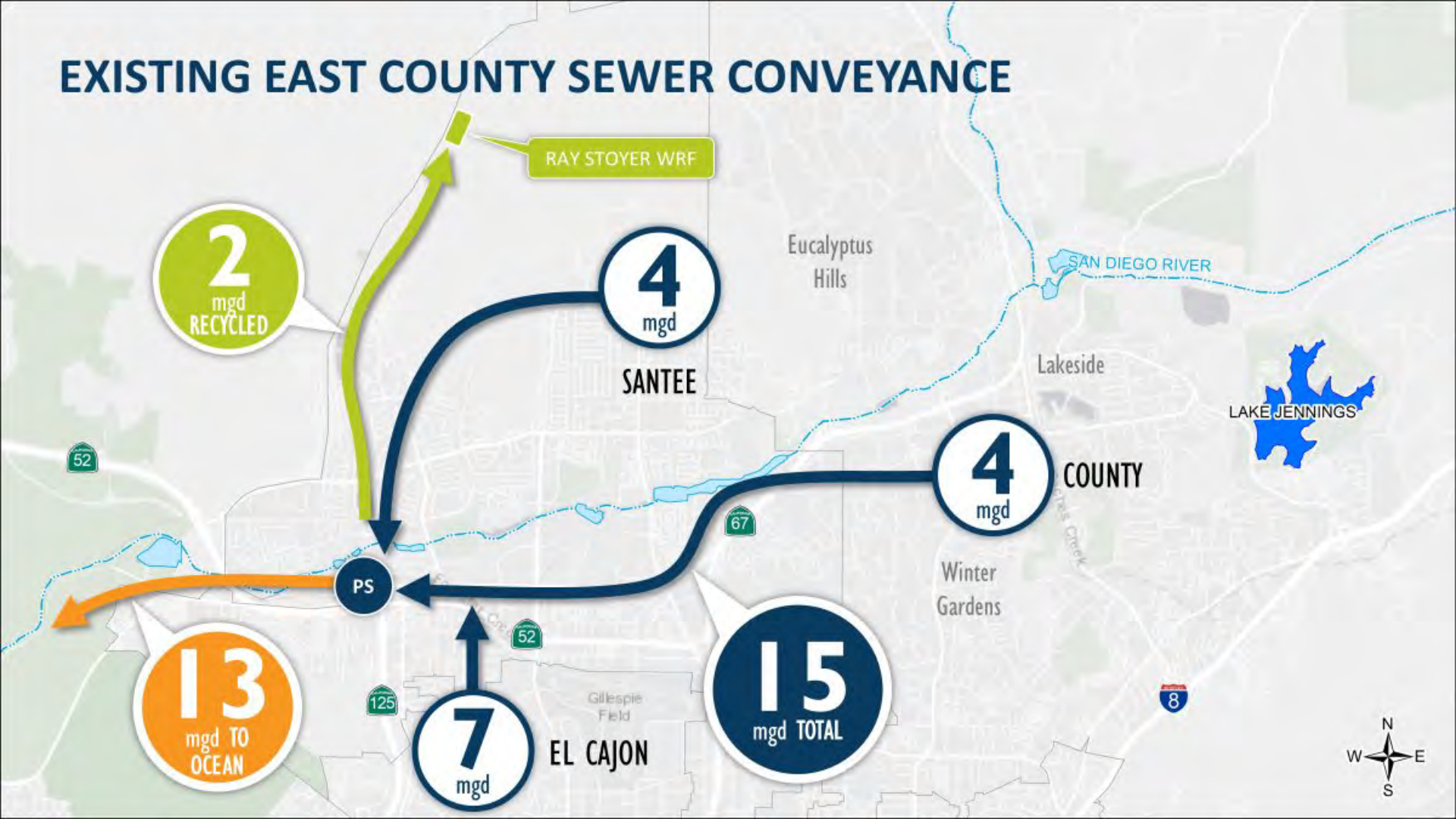
PROGRAM SERVICE AREA

Purified water from this project will also be delivered to customers in the **Otay** and **Lakeside Water Districts**.

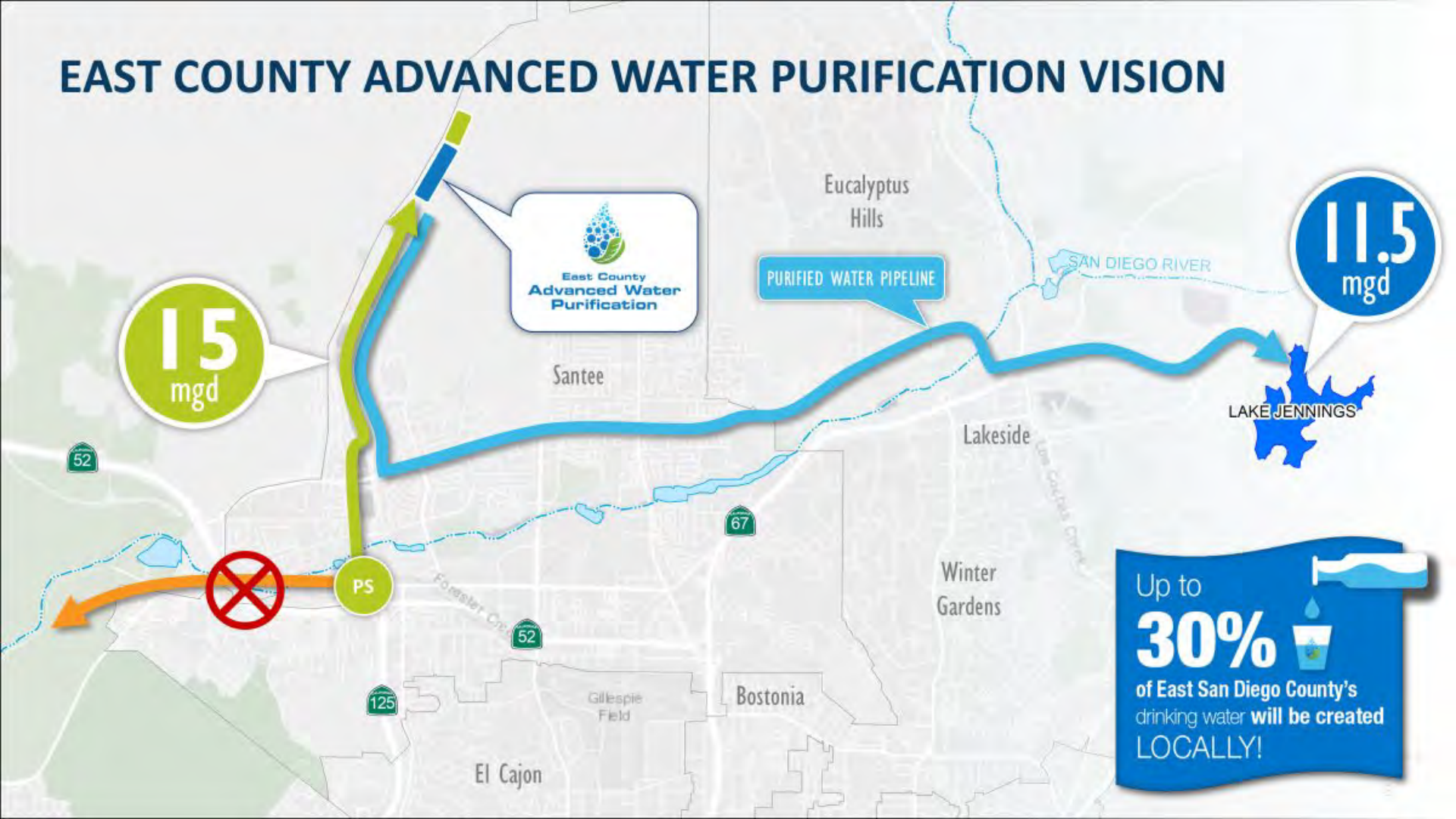
Additionally, **all of San Diego County** will benefit through increased water reliability for the region.



EXISTING EAST COUNTY SEWER CONVEYANCE



EAST COUNTY ADVANCED WATER PURIFICATION VISION



15
mgd

East County
Advanced Water
Purification

PURIFIED WATER PIPELINE

11.5
mgd

LAKE JENNINGS

Up to
30%
of East San Diego County's
drinking water will be created
LOCALLY!

EAST COUNTY AWP PROJECT



PACKAGE 3

Retrofit and Expansion of IPS, East Mission Gorge Pump Station, 3.5-Mile Force Main, 3-Mile Residuals Bypass Pipeline, and 1.7 mgd Lift Station

15
mgd

PACKAGE 5

Energy Recovery



PACKAGE 1

16 mgd WRF, 11.5 mgd AWP Facility, Solids Handling, Product Water Pump Station, Visitor's Center



11.5
mgd

SANTEE

SAN DIEGO RIVER

LAKE JENNINGS

LAKESIDE

PACKAGE 2

10-Mile Product Water Pipeline, Dechlorination Facility, Inlet to Lake Jennings



PACKAGE 4

8-Mile East Mission Gorge Force Main Rehabilitation, 9-Mile Regional Brine Pipeline, Connections to City of San Diego Sewer Facilities



SAN DIEGO

MISSION TRAILS REGIONAL PARK

MISSION TRAILS REGIONAL PARK

EL CAJON

LA MESA

CONSTRUCTION STATUS PACKAGE 1

AECOM

W.M. LYLES CO.

CONTRACTOR

Since 1945

Progress Through Performance®

- Mass grading completed
- Early design work packages completed to support construction
- Working towards final design documents
- Started structural concrete work with digesters, aeration basins, secondary clarifiers
- Major equipment procurement in progress



CONSTRUCTION STATUS PACKAGE 2



- Final Pipeline design completed March 2023
- Pipeline construction began April 4, 2023.
- Over 5,000 feet of 24-inch CML&C Steel pipe has been fabricated and delivered to the site
- Final permit applications have been submitted and are being reviewed – County of San Diego, City of Santee, Caltrans and San Diego County Water Authority



CONSTRUCTION STATUS PACKAGE 3

AECOM

W.M. LYLES CO.

CONTRACTOR

Since 1945

Progress Through Performance®

- Caltrans Encroachment Permit Obtained
- SDG&E Consent Agreements for HDD Obtained
- Early Work Package 2 Design Complete
- HDD Pilot Bore in Progress
- City of Santee Encroachment Permit for Open Cut in Progress
- Pump Station Major Equipment Procurement in Progress



PROJECT STATUS

PACKAGE 4 & 5



PACKAGE 4:

- CEQA document completed
- Condition assessment of the East Mission Gorge Force Main
- In Design Phase

PACKAGE 5:

- Contract awarded to Anaergia Technologies
- In initial stages of Environmental Phase



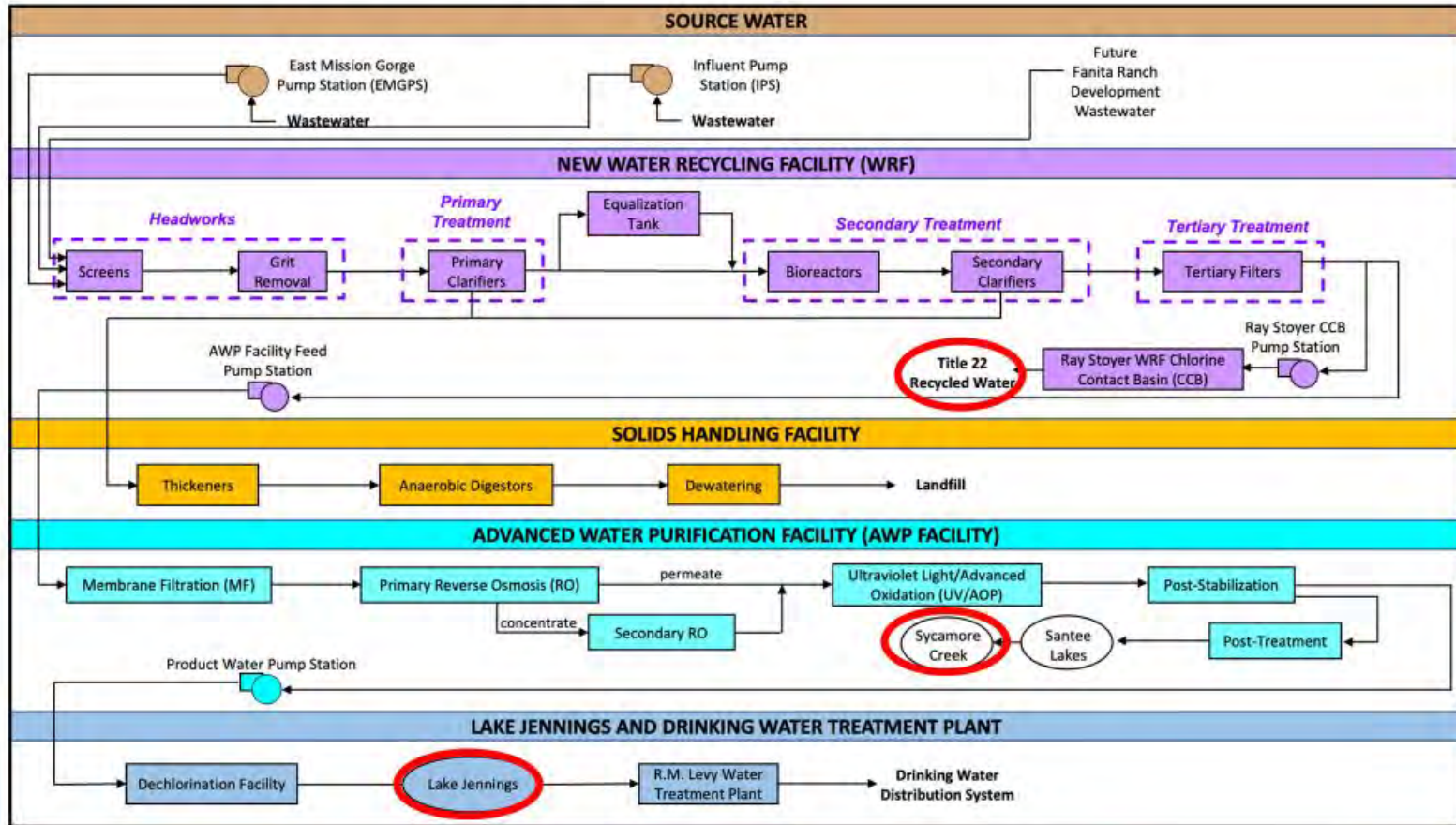


Regulatory Permitting & Operational Readiness

Seval Sen, P.E.

AWP Engineering Manager

USES OF PRODUCT WATER



REUSE PERMITS INVOLVED

- DDW requirements
 - Pathogen removal credits
 - Lake modeling
 - Residence time
- RWQCB requirements
 - Basin Plan
 - CA Toxic Rule
 - Monitoring and Reporting Plan
 - Report of Waste Discharge

NPDES Permit for
Lake Jennings



- RWQCB requirements
 - Renewal of existing permit with different source water
 - Flow and nutrient loading limitations
 - Report of Waste Discharge

NPDES Permit for
Sycamore Creek



- RWQCB requirements
 - Renewal of existing permit with different source water
 - Title 22 Engineering Report
 - Report of Waste Discharge

Non-Potable
Reuse Permit



REGULATORY PERMITTING ASPECTS OF THE PROJECT



AWP DEMO PLANT OPERATION



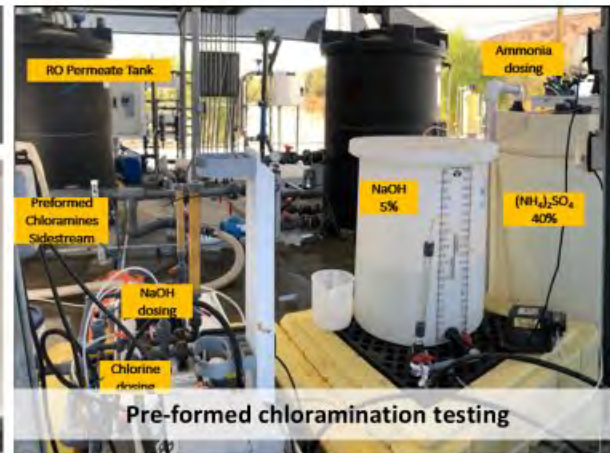
Free chlorine pathogen credits testing



RO pathogen removal testing



Desalitech as brine minimization technology



Pre-formed chloramination testing



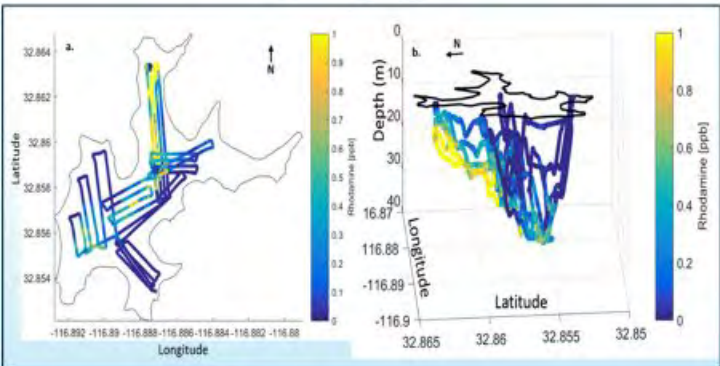
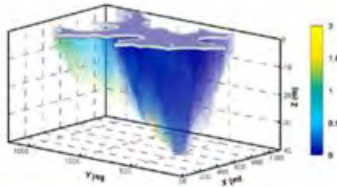
Online strontium analyzer

From Parts

LAKE JENNINGS TRACER STUDY

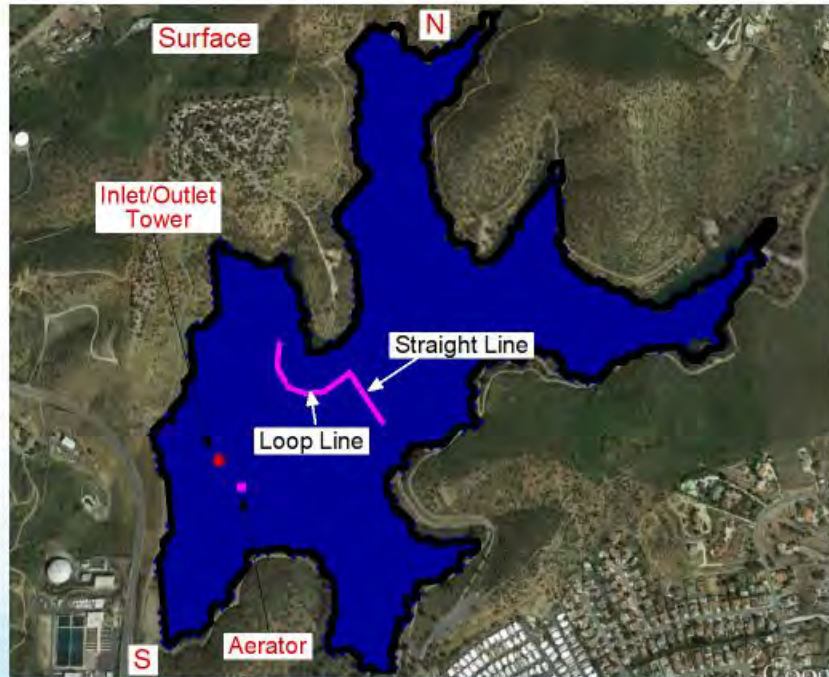
- Rhodamine WT Dye used
- Performed by Scripps Institution of Oceanography
- Measured online using fluorometer

Simulation

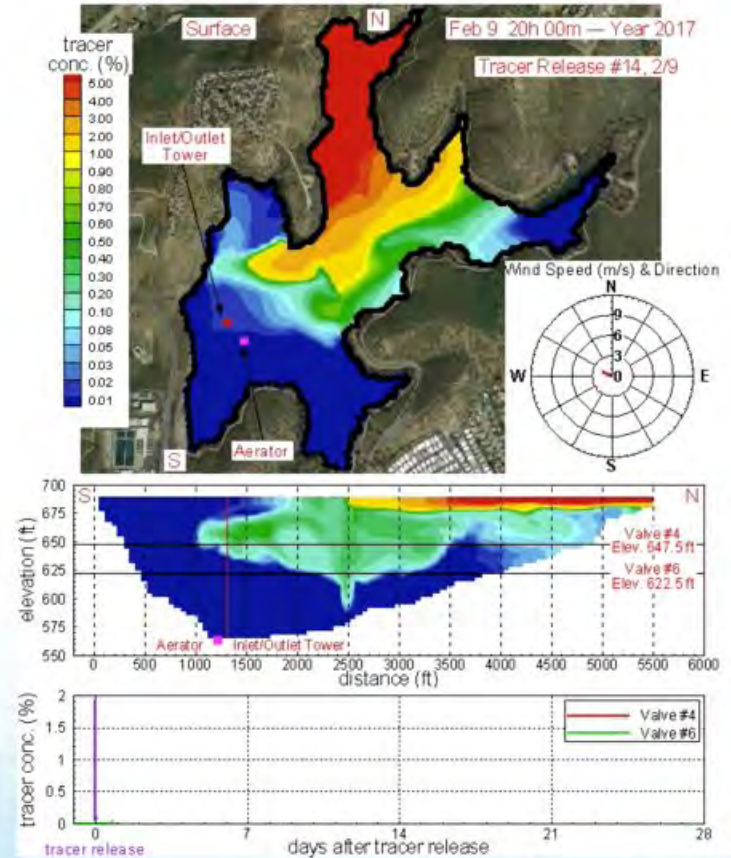


LAKE JENNINGS TRACER STUDY

- 35+ lake modeling completed
- Providing engineered mixing to assure dilution requirements all times



Lake Jennings Hydrodynamics Modeling - AWP Water Tracer
Scenario: Run#12 (12.5 MGD AWP Water, WSEL = 690 ft)



PATHOGENIC MICROORGANISM CONTROL



Pathogen	MF	RO	UV/AOP	Pipeline Cl ₂	Required Prior to Discharge to Lake Jennings	Total Prior to Discharge to Lake Jennings	Redundancy
Virus	0	3	6	6	8	15	7
<i>Giardia</i>	4	3	6	1	7	14	8
<i>Crypto</i>	4	3	6	0	8	13	7

- Turbidity
- Pressure Decay Test
- Strontium
- TOC
- Conductivity
- UVT, UVI
- UV Dose
- Flow Rate
- Chlorine Residual
- Flow Rate
- Temp, pH

Continuous or Daily monitoring to confirm pathogen reduction

OPERATIONS INTEGRATION

Padre Dam's operators have been involved in the project from **concept to construction** and will be **hands on** during startup, testing, and commissioning.

- 💧 Pilot Plant
- ✓ Regulatory Permitting
- ↔ SCADA
- 📊 Design
- 🏗️ Construction
- 📖 Training & Certification



OPERATIONAL READINESS



AWP Demonstration Facility

✓ Gained 6 yrs of operational experience



AWTO Certification

✓ Currently have two AWTO Grade 5 certified operators and growing!



Partnering with other Agencies

✓ Creating opportunities for hands on training for new hires



Training

✓ Focus training classes by vendors and consultants



Staffing/Hiring Plan

✓ Growing from 9 operations staff to 34 staff at 8-12 hr shifts



Ready for Commissioning

✓ Decommission Ray Stoyer WRF earlier to allow staff to get trained ahead

THANK YOU





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Staffing: Looking Behind and Ahead

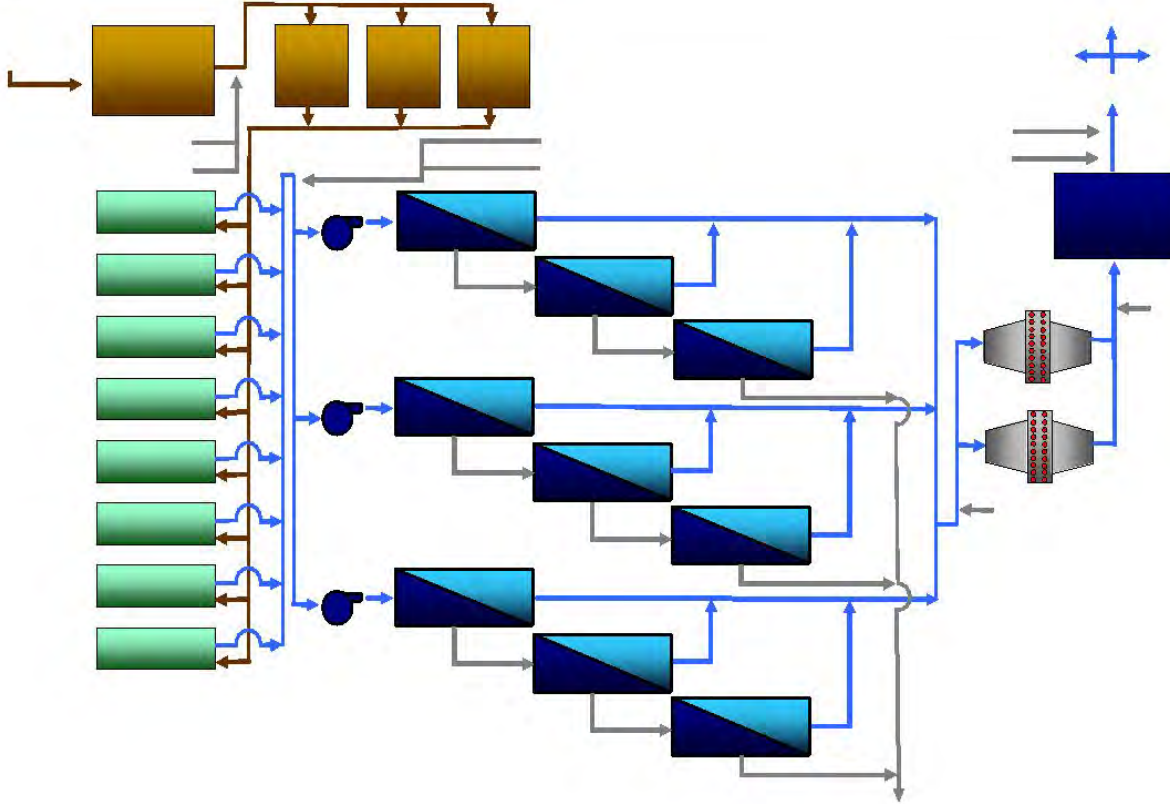
October 15, 2024

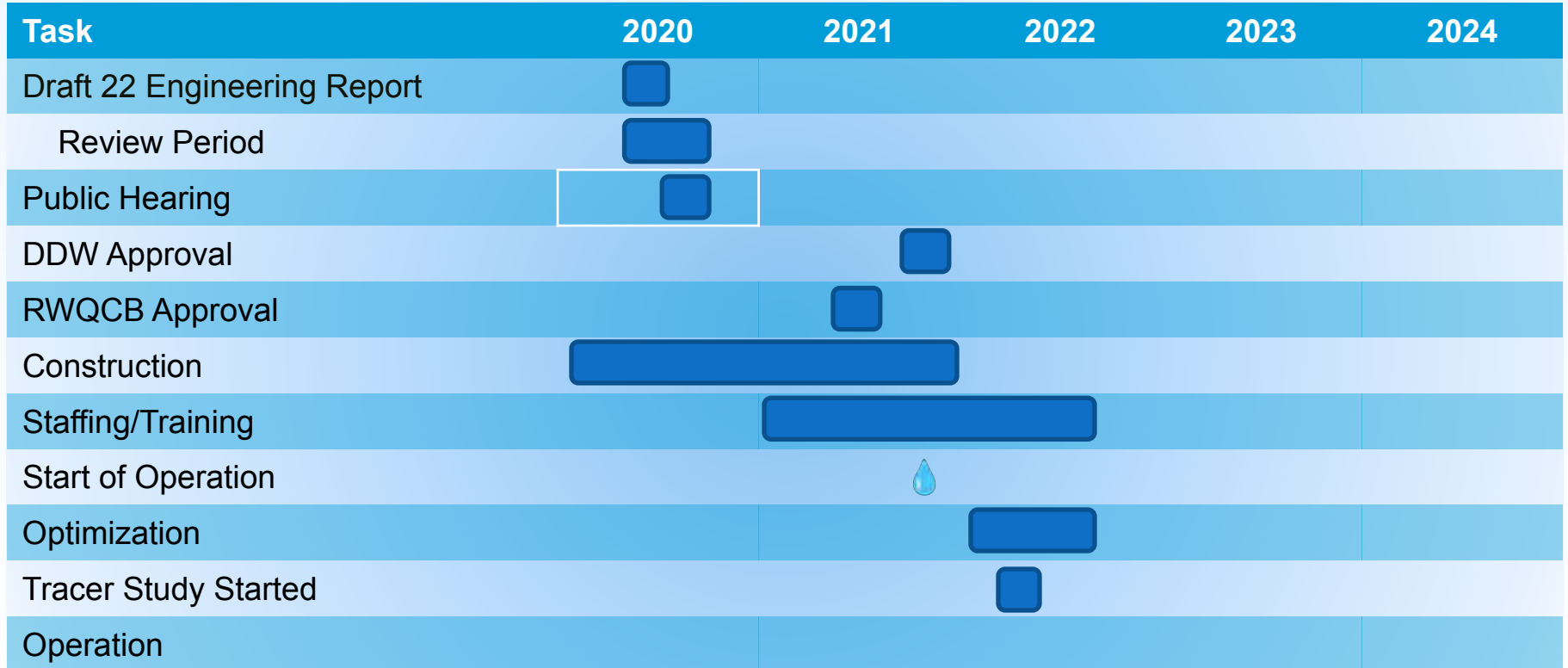
Rudy Guzman
Division Manager
City of Oceanside





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CPO
(AWT 5)

Operator
(AWT 3)

Operator
(AWT 3)

Operator
(AWT 3)

Operator
(AWT 3)

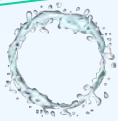
Operator
(AWT 3)

2 Mechanics

2 Mechanics

2 Mechanics

2 Mechanics



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Looking Behind

- Needed 6 PW positions
- “One Team” doomed.
- Learning the plant not difficult
- Certification not difficult

Looking Ahead

- Run the Plant!
- Optimization
- Dedicated Staff
- Leads/Seniors/Superintendent

Panel Discussion: Operator Staffing for Potable Reuse



Next: Join us for a tour of San Diego's Pure Water Facility or Demonstration Facility!

North City Pure Water Facility Tour

If you have preregistered to tour North City PWF, meet Rosalyn in front of SDPUD bldg.

4949 Eastgate Mall
Directions:
52W to 805N,
exit Nobel Dr (25A),
right on Miramar Rd,
left on Eastgate Mall

Pure Water Demonstration Facility Tour

If you have preregistered to tour the demo facility, meet Jesica in front of SDPUD bldg.

