



**AGENDA  
ENGINEERING, OPERATIONS, AND WATER RESOURCES  
COMMITTEE MEETING  
OF THE BOARD OF DIRECTORS  
INLAND EMPIRE UTILITIES AGENCY\***

**WEDNESDAY, APRIL 12, 2023  
10:00 A.M.**

**AGENCY HEADQUARTERS  
BOARD ROOM  
6075 KIMBALL AVENUE, BUILDING A  
CHINO, CALIFORNIA 91708  
VIEW THE MEETING LIVE ONLINE AT IEUA.ORG  
TELEPHONE ACCESS: (415) 856-9169 / Conf Code: 721 323 248#**

The public may participate and provide public comment during the meeting by dialing the number provided above. Comments may also be submitted by email to the Board Secretary/Office Manager Denise Garzaro at [dgarzaro@ieua.org](mailto:dgarzaro@ieua.org) prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Board of Directors.

**CALL TO ORDER**

**PUBLIC COMMENT**

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to email the Board Secretary/Office Manager prior to the public comment section or request to address the Board during the public comments section of the meeting. Comments will be limited to three minutes per speaker. Thank you.

**ADDITIONS TO THE AGENDA**

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

\*A Municipal Water District

**1. CONSENT ITEMS**

**A. MINUTES**

Approve Minutes of the March 8, 2023, Engineering, Operations, and Water Resources Committee meeting.

**B. CENTRAL PLANT COOLING TOWER REPLACEMENT CONSULTANT CONTRACT AWARD**

Staff recommends that the Committee/Board:

1. Award a design consultant contract for the Central Plant Cooling Tower Replacement, Project No. EN23003, to IDS Group, Inc.; for the not-to-exceed amount of \$263,984; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

**2. ACTION ITEMS**

**A. RP-1 SOLIDS THICKENING PROJECT AND ACID PHASE DIGESTERS DESIGN AMENDMENT NO. 4**

Staff recommends that the Committee/Board:

1. Approve a contract amendment for the Regional Plant No. 1 Solids Thickening Building, Project No. EN22044, to Carollo Engineering Inc., for a not-to-exceed amount of \$351,112, increasing the contract from \$14,557,895 to 14,909,007 (2.4% increase); and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

**B. RP-1 TERTIARY PLANT BUILDING WATER PIPING UPGRADES CONSTRUCTION CONTRACT AWARD**

Staff recommends that the Committee/Board:

1. Award a construction contract for the RP-1 TP Building Water Piping Upgrades, Project No. EN13016.06 to W.A. Rasic Construction Company, Inc. in the amount of \$150,888; and
2. Authorize the General Manager to execute the construction contract, subject to non-substantive changes.



**C. REGIONAL SYSTEM ASSET MANAGEMENT PROJECT, EN19024, FISCAL YEAR 2022/23 PROJECT BUDGET AUGMENTATION**

Staff recommends that the Committee/Board:

1. Approve a FY (Fiscal Year) 2022/23 project budget augmentation for the Regional System Asset Management Project, No. EN19024, in the amount of \$282,283 from \$414,297 to \$696,580 (68% increase) on the Regional Operations and Maintenance (10800) Fund; and
2. Authorize the General Manager to approve the budget augmentation.

**3. INFORMATION ITEMS**

**A. OPERATIONS AND MAINTENANCE DEPARTMENT QUARTERLY UPDATE (POWERPOINT)**

**B. RECYCLED WATER GROUNDWATER RECHARGE UPDATE (POWERPOINT)**

**C. RP-5 EXPANSION PROJECT UPDATE (POWERPOINT)**

**RECEIVE AND FILE INFORMATION ITEMS**

**D. ENGINEERING AND CONSTRUCTION MANAGEMENT DEPARTMENT PROJECT UPDATES (POWERPOINT)**

**4. GENERAL MANAGER'S COMMENTS**

**5. COMMITTEE MEMBER COMMENTS**

**6. COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS**

**ADJOURN**

**DECLARATION OF POSTING**

I, Denise Garzaro, CMC, Board Secretary/Office Manager of the Inland Empire Utilities Agency\*, a Municipal Water District, hereby certify that, per Government Code Section 54954.2, a copy of this agenda has been posted at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA and on the Agency's website at [www.ieua.org](http://www.ieua.org) at least seventy-two (72) hours prior to the meeting date and time above.

**In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary at (909) 993-1736 or [dgarzaro@ieua.org](mailto:dgarzaro@ieua.org), 48 hours prior to the scheduled meeting so that IEUA can make reasonable arrangements to ensure accessibility.**

**CONSENT  
ITEM  
1A**



**MINUTES  
ENGINEERING, OPERATIONS, AND WATER RESOURCES  
COMMITTEE MEETING  
INLAND EMPIRE UTILITIES AGENCY\*  
AGENCY HEADQUARTERS, CHINO, CA**

**WEDNESDAY, MARCH 8, 2023  
10:00 A.M.**

**COMMITTEE MEMBERS PRESENT**

Marco Tule, Chair  
Paul Hofer, Director

**STAFF PRESENT**

Shivaji Deshmukh, P.E., General Manager  
Francis Concemino, Acting Senior Project Manager  
Robert Delgado, Manager of Maintenance  
Denise Garzaro, Board Secretary/Office Manager  
Brandon Gonzalez Contreras, Technology Specialist I  
Don Hamlett, Director of Information Technology  
Michael Hurley, Director of Planning & Resources  
Joel Ignacio, Senior Engineer  
Michael Larios, Technology Specialist I  
Nolan King, Manager of Information Technology  
Jason Marseilles, Manager of Engineer  
Cathy Nhothsavath, Associate Engineer  
Sushmitha Reddy, Manager of Laboratories  
Vicky Salazar, Senior Associate Engineer  
Travis Sprague, Principal Engineer  
Teresa Velarde, Manager of Internal Audit  
Ryan Ward, Associate Engineer  
Phebe Wang, Control Systems Analyst II

**STAFF PRESENT via Video/Teleconference**

Tony Arellano, Safety Officer  
Pascual Bonilla, Intern  
Pierre Cayatte, Senior Engineer  
Javier Chagoyen-Lazaro, Director of Finance  
Lisa Dye, Director of Human Resources  
Warren Green, Manager of Contracts & Procurement  
Jennifer Hy-Luk, Executive Assistant  
Ryan Love, Deputy Manager of Operations  
Bonnie Marseilles, Administrative Assistant II  
Dennise Ramirez, Engineering Consultant  
James Simpson, Engineering Consultant  
Yvonne Taylor, Administrative Assistant II  
Wilson To, Technology Specialist II  
Megan Trott, Associate Engineer

Ashley Womack, Grants & Government Affairs Officer  
Jeff Ziegenbein, Acting Director of Operations & Maintenance

### **CALL TO ORDER**

Committee Chair Marco Tule called the meeting to order at 10:00 a.m. There were no public comments received or additions to the agenda.

### **1A. CONSENT ITEM**

The Committee:

- ◆ Approved Minutes of the February 8, 2023 Engineering, Operations, and Water Resources Committee meeting.

### **2A – 2D. ACTION ITEMS**

The Committee:

- ◆ Recommended that the Board:
  1. Award a construction contract for the Carbon Canyon Water Recycling Facility (CCWRF) Asset Management and Improvements, Project No. EN10076.000, to Garney Pacific Construction in the amount of \$20,856,916;
  2. Approve a contract amendment to CDM Smith for Engineering Services During Construction for the not-to-exceed amount of \$899,775, increasing the contract from \$3,326,339 to \$4,226,114 (27% increase);
  3. Approve the Lone Start Blower purchase in the amount of \$171,000;
  4. Approve a total project budget augmentation in the amount of \$1,742,950 to Project No. EN17006 increasing the budget from \$30,007,050 to \$31,750,000 in RC/10900 Fund; and
  5. Authorize the General Manager to execute the contract, subject to non-substantive changes;

as an Action item on the March 15, 2023 Board meeting agenda.

- ◆ Recommended that the Board:
  1. Award an aggregate master service consultant contract for Oxygen Transfer Efficiency Analysis services for DrH2O, LLC for a total aggregate not-to-exceed amount of \$490,861 over a three-year period, with two, one-year options to extend; and
  2. Authorize the General Manager to approve and execute the master service contract, subject to non-substantive changes;

as a Consent Calendar item on the March 15, 2023 Board meeting agenda.

- ◆ Recommended that the Board:
  1. Award a design consultant contract for the Recycled Water SCADA Migration, Project No. EN23119, to Eramosa International Inc., for a not-to-exceed amount of \$371,640; and

2. Authorize the General Manager to execute the contract, subject to non-substantive changes;

as a Consent Calendar item on the March 15, 2023 Board meeting agenda.

◆ Recommended that the Board:

1. Approve Contract No. 4600003232 for a five-year contract (two-year fixed price with three, one-year options to extend) for the not-to-exceed amount of \$1,000,000 to Royal Industrial Solutions for the purchase of electrical parts and supplies; and

2. Authorize the General Manager to execute the contract;

as a Consent Calendar item on the March 15, 2023 Board meeting agenda.

### **3A – 3B. INFORMATION ITEMS**

The following information items were presented or received and filed by the Committee:

- ◆ RP-5 Expansion Project Update
- ◆ Engineering and Construction Management Project Updates

### **4. GENERAL MANAGER'S COMMENTS**

General Manager Shivaji Deshmukh waived his comments indicating he would provide the report at the Finance & Administration Committee meeting.

### **5. COMMITTEE MEMBER COMMENTS**

There were no Committee member comments.

### **6. COMMITTEE MEMBER REQUESTED FUTURE AGENDA ITEMS**

There were no Committee member requested future agenda items.

### **ADJOURNMENT**

With no further business, Committee Chair Tule adjourned the meeting at 11:04 a.m.

Respectfully submitted,

Denise Garzaro  
Board Secretary/Office Manager

\*A Municipal Water District

**APPROVED: APRIL 12, 2023**

**CONSENT  
ITEM  
1B**

**Date:** April 19, 2023

**To:** The Honorable Board of Directors

*ADD*  
**From:** Shivaji Deshmukh, General Manager

**Committee:** Engineering, Operations & Water Resources

04/12/23

**Staff Contact:** Christiana Daisy, Deputy General Manager

**Subject:** Central Plant Cooling Tower Replacement Consultant Contract Award

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**Executive Summary:**

The Central Plant (CP) Cooling Tower Replacement Project is located at Inland Empire Utilities Agency (IEUA), Headquarters (HQ), behind the water quality laboratory, in the City of Chino. The CP has been in operation since 2004 and provides chilled and heating water for the HQ and Lab Buildings. The CP currently utilizes two cooling towers; their reliability is essential for its operation to provide the desired cooling and heating to the buildings. The condition of the old cooling tower has reached the end of its useful life and is severely deteriorated. The project scope also includes the installation of a new steel canopy to protect the control panels from the elements.

On January 5, 2023, IEUA issued a request for proposals to design consultants registered on PlanetBids. On February 9, 2023, IEUA received two proposals. The proposals were evaluated to determine which proposal offered the best value to IEUA. The IEUA evaluation panel determined that the most qualified consultant was IDS Group Inc. (IDS) with a design fee of \$263,984. IDS has the technical experience and resources to successfully complete the project design. Additionally, IDS worked on CP upgrades in 2012 and is familiar with the system configuration and operation.

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**Staff's Recommendation:**

1. Award a design consultant contract for the Central Plant Cooling Tower Replacement, Project No. EN23003, to IDS Group, Inc., for the not-to-exceed amount of \$263,984; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

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**Budget Impact** *Budgeted (Y/N):* Y *Amendment (Y/N):* N *Amount for Requested Approval:*

*Account/Project Name:*

EN23003/Central Plant Cooling Tower Replacement

*Fiscal Impact (explain if not budgeted):*

The project has an approved FY 22/23 Budget of \$500,000 and an approved Total Project Budget of \$2,400,000 in the 10200 Fund. This action is covered by the approved budget. The funding sources for the project include: property taxes and contributions from other funds.

**Prior Board Action:**

None.

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**Environmental Determination:**

Statutory Exemption

CEQA exempts a variety of projects from compliance with the statute. This project qualifies for a Statutory Exemption as defined in Section 15262 of the State CEQA Guidelines.

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**Business Goal:**

The Central Plant Cooling Tower Replacement Project is consistent with IEUA's Business Goal of Wastewater Management, specifically the Asset Management and Water Quality objectives that IEUA will ensure that systems are well maintained, upgraded to meet evolving requirements, sustainability managed, and can accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.

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**Attachments:**

Attachment 1 - Powerpoint

Attachment 2 - Consultant Contract ([Click to Download](#))



# **Attachment 1**



# Central Plant Cooling Tower Replacement

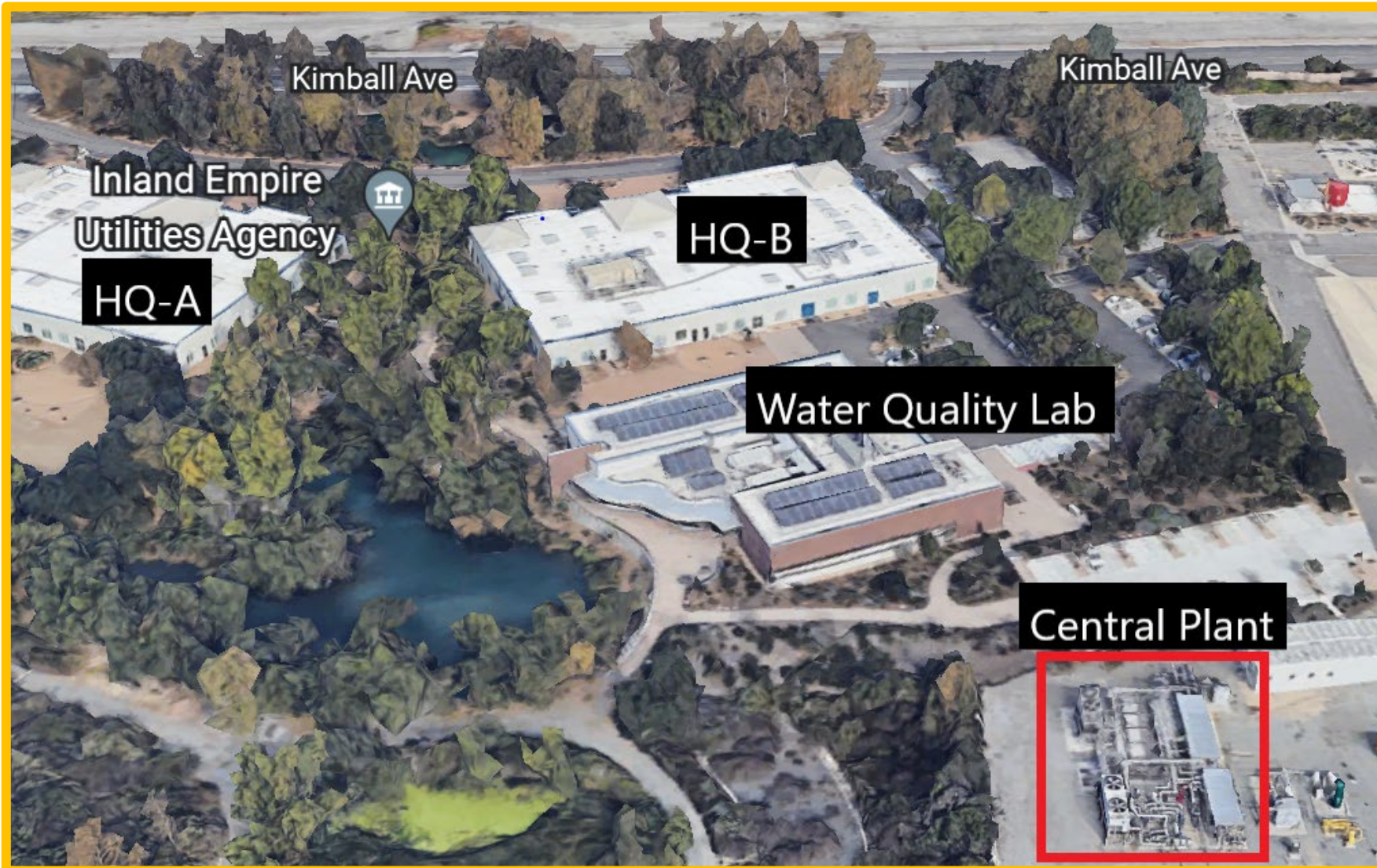
## Design Consultant Contract Award

### Project No. EN23003

Kristian Saenz  
Assistant Engineer  
April 2023



# Project Location: City of Chino





# Project Background

- Central Plant (CP) provides cooling and heating water to HQ and Lab Buildings
- Cooling tower reliability is essential for CP operation
  - Installed in 2004
  - Reached the end of its useful life
- Outdoor control panels suffered multiple water leaks
- Increased maintenance



Existing Old Cooling Tower



Existing CP Canopy (Partial)

# Project Scope

- Engineering and design services
  - Demolish cooling tower and related equipment
  - Install new cooling tower
  - Upgrade ancillary equipment and piping for the new tower
  - Install a new steel canopy to protect control panels



Existing New Cooling Tower



Outdoor Control Panels

# Consultant Selection

- PlanetBids Solicitation Period
  - January 5, 2023 – February 9, 2023
  - 35 Calendar Days (25 Working Days)
- Qualifications-Based Selection
  - Proposals evaluated by IEUA Staff
  - Experience, reputation, history, capabilities

Consultant's Name
IDS Group, Inc.
P2S, Inc.

# Project Budget and Schedule

Description	Estimated Cost
<b>Detailed Design</b>	<b>\$442,142</b>
IEUA Design Labor (Estimated)	\$230,000
<b>Design Consultant (this action)</b>	<b>\$212,142</b>
<b>Construction (Estimated)</b>	<b>\$2,501,843</b>
<b>Engineering Services During Construction (this action)</b>	<b>\$51,843</b>
IEUA Construction Management Labor (estimated)	\$250,000
Construction Contractor (estimated)	\$2,000,000
Contingency (10%)	\$200,000
<b>Total Project Cost:</b>	<b>\$2,943,985*</b>
<b>Total Project Budget:</b>	<b>\$2,400,000*</b>

\*The budget will be amended during the annual TYCIP budgeting process.

Project Milestones	Dates
<b>Detailed Design</b>	
<b>Consultant Contract Award</b>	April 2023
<b>Design Completion</b>	April 2024
<b>Construction (Estimated)</b>	
<b>Advertise Construction Bid</b>	April 2024
<b>Construction Bid and Award</b>	June 2024
<b>Project Completion</b>	October 2025



# Staff's Recommendation

1. Award a design consultant contract for the Central Plant Cooling Tower Replacement, Project No. EN23003, to IDS Inc., for the not-to-exceed amount of \$263,984; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

The Central Plant Cooling Tower Replacement Project is consistent with **IEUA's Business Goal of Wastewater Management**, specifically the Asset Management and Water Quality objectives that IEUA will ensure that systems are well maintained, upgraded to meet evolving requirements, sustainably managed, and can accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.



**ACTION  
ITEM  
2A**

**Date:** April 19, 2023

**To:** The Honorable Board of Directors

*ADD*  
**From:** Shivaji Deshmukh, General Manager

**Committee:** Engineering, Operations & Water Resources

04/12/23

**Executive Contact:** Christiana Daisy, Deputy General Manager

**Subject:** RP-1 Solids Thickening Project and Acid Phase Digesters Design Amendment No. 4

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### Executive Summary:

The Regional Water Recycling Plant No.1 (RP-1) Solids Thickening and Acid Phase Digesters Project will improve the processes upstream of the digesters and construct additional capacity to permit future improvements that would increase the overall treatment capacity. During the recent process of evaluating new projects and the continuation of the existing design process, several items were identified that would improve the project or provide efficiency in the design and construction process. Subsequently, a design amendment was requested from the design consultant (Carollo Engineers, Inc.). The efforts included in this proposed amendment are: Task 1 - Belt Press Building Electrical Improvements, this task will upgrade electrical equipment in the existing Belt Press Building; Task 2 - Evaluate Plant 3 Primary Sludge Pumps, this task will provide analysis and design required to add the recommended in-line grinder to aid in the operation and maintenance of the portable Rotary Drum Thickener (RDT) unit and facility operations overall; and Task 3 - Hot Water Loop Rehabilitation, this task will provide the design to improve the existing hot water system inside the boiler building.

The contract amendment to Carollo Engineering, Inc., for a not-to-exceed amount of \$351,112, increases the maximum authorized contract from \$14,557,895 to \$14,909,007 (2.4% increase).

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### Staff's Recommendation:

1. Approve a contract amendment for the Regional Plant No.1 Solids Thickening Building, Project No. EN22044, to Carollo Engineering, Inc., for a not-to-exceed amount of \$351,112, increasing the contract from \$14,557,895 to \$14,909,007 (2.4% increase); and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

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**Budget Impact** *Budgeted (Y/N): Y    Amendment (Y/N): N    Amount for Requested Approval:*

*Account/Project Name:*

EN22044/RP-1 Solids Thickening Project

*Fiscal Impact (explain if not budgeted):*

The project has an approved FY 22/23 Budget of \$4,500,000 and an approved Total Project Budget of \$133,080,000 in the 10900 Fund. This action is covered by the approved budget. The funding sources for the project include: connections fees, property taxes, WIFIA loan, and reserves.

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**Prior Board Action:**

On July 20, 2022, the board approved a contract amendment to Carollo Engineering, Inc., for a not-to-exceed amount of \$880,393 increasing the maximum authorized contract from \$13,677,502 to \$14,557,895 (6.0% increase).

On December 20, 2017, the board approved a consultant contract for the RP-1 Capacity Recovery, Project Nos. EN24001 and EN24002 to Carollo Engineers Inc., for the not-to-exceed amount of \$13,637,633.

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**Environmental Determination:**

Project Environmental Impact Report

The project being approved falls within the scope of the previously approved Facilities Master Plans Program EIR in accordance with the requirements of Section 15168 of the State CEQA Guidelines

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**Business Goal:**

The RP-1 Solids Thickening Project is consistent with IEUA's Business Goal of Wastewater Management, specifically the Asset Management objective that IEUA will ensure the treatment facilities are well maintained, upgraded to meet evolving requirements, sustainability managed, and can accommodate changes in regional water use.

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**Attachments:**

Attachment 1 - PowerPoint Presentation

Attachment 2 - Contract Amendment

# **Attachment 1**



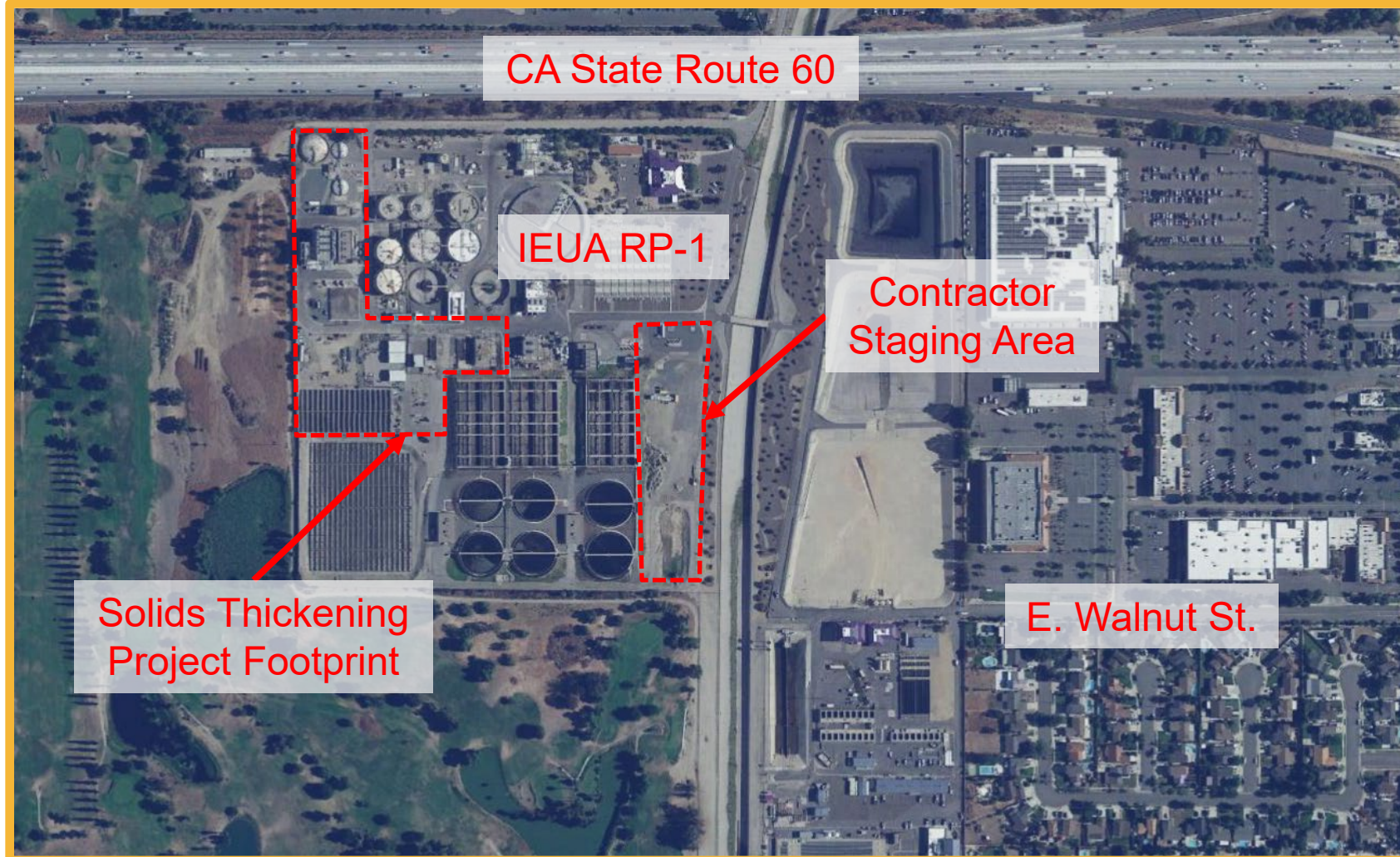


# RP-1 Solids Thickening Project and Acid Phase Digesters Design Amendment Project No. 4

James Simpson, P.E.  
Senior Engineer  
April 2023

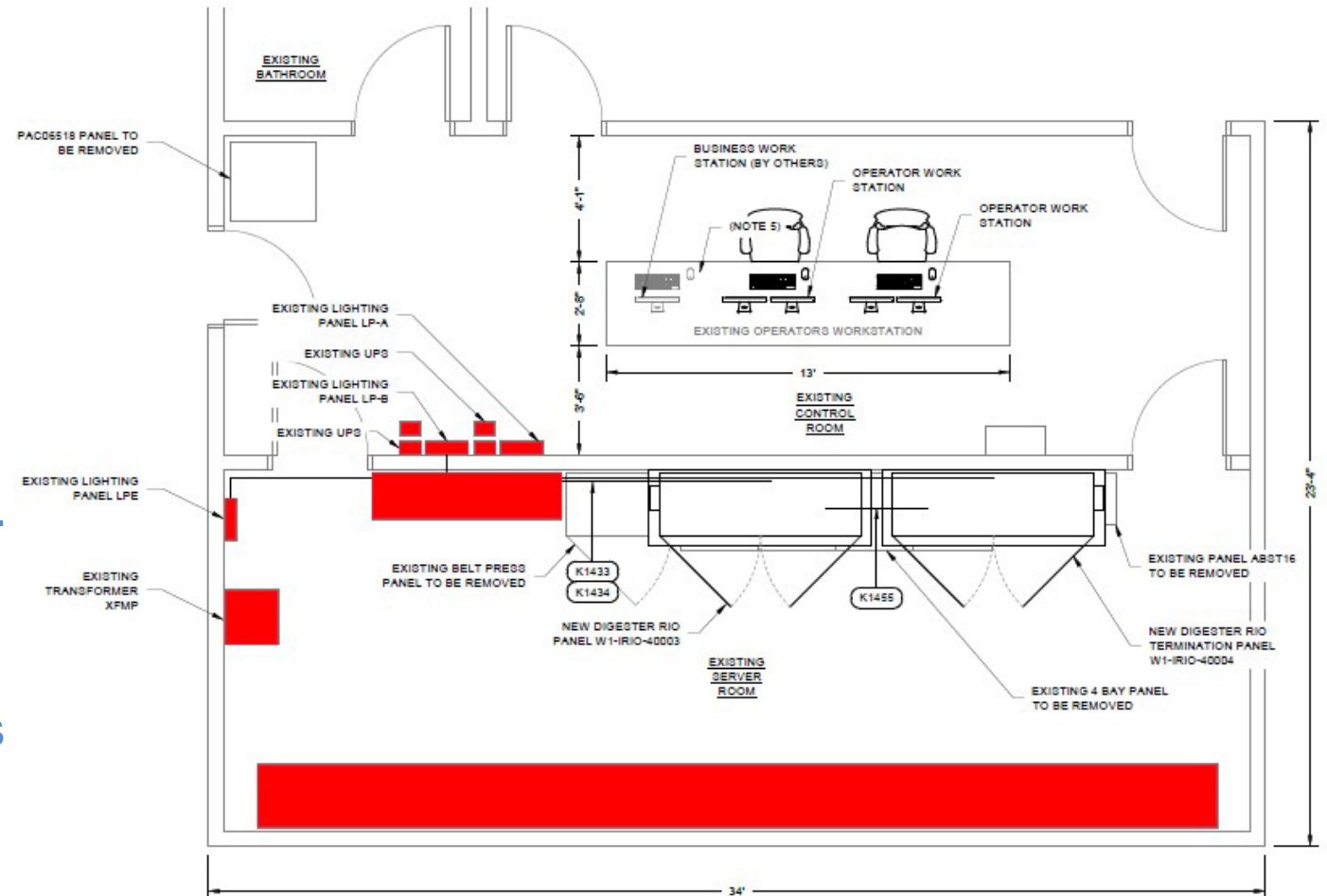


# Project Location (City of Ontario)



# Amendment No. 4 Elements (1 of 2)

- Overall, this Amendment will allow the Agency to incorporate additional design elements in a manner that will:
  - Increase efficiency of construction activities, and
  - Reduce construction risk by limiting the number of contractors working in an area.
- Task 1: Belt Press Electrical Improvements.
  - Replace electrical components which are aging and problematic.





# Amendment No. 4 Elements (2 of 2)

- Task 2: Evaluate Plant 3 Primary Sludge Pumps.
  - Add an inline grinder system
  - Improve operations and maintenance of sludge piping and equipment.



- Task 3: Hot Water Loop Rehabilitation.
  - Replace aging hot water pumping systems for boiler system to extend lifespan.



# Project Budget

Description	Estimated Cost
<b>Design Services</b>	<b>\$13,570,820</b>
Design + Review Services	\$7,987,708
<i>Amendment No. 4 (this action)</i>	<i>\$351,112</i>
IEUA Design Support Services (estimate)	\$4,312,000
Skid-Mounted RDT Trailer	\$920,000
<b>Construction Services</b>	<b>\$20,020,000</b>
Engineering Services During Construction (2.5%)	\$3,080,000
Construction Management Services (10%)	\$12,320,000
IEUA Construction Support Services (3.75%)	\$4,620,000
<b>Construction</b>	<b>\$123,210,000</b>
Construction Contract Estimate	\$112,000,000
Contingency, 10%	\$11,210,000
<b>Total Project Cost:</b>	<b>\$156,800,820*</b>
<b>Total Project Budget:</b>	<b>\$133,080,000*</b>

Project Milestone	Date
<b>Design Contract</b>	
Final Design	Sept. 2023
Bid and Award	Jan. 2024
<b>Construction Contract</b>	
Notice to Proceed	Apr. 2024
Substantial Completion	Dec. 2026
Close-out	June 2027

\*The budget will be amended upon receiving the construction bids.

# Staff's Recommendation

1. Approve a contract amendment for the Regional Plant No.1 Solids Thickening Building, Project No. EN22044, to Carollo Engineering, Inc., for a not-to-exceed amount of \$351,112 increasing the contract from \$14,557,895 to \$14,909,007 (2.4% increase); and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

The RP-1 Solids Thickening Project is consistent with **IEUA's Business Goal of Wastewater Management** specifically the Asset Management objective that IEUA will ensure the treatment facilities are well maintained, upgraded to meet evolving requirements, sustainability managed, and can accommodate changes in regional water use.

**ACTION  
ITEM  
2B**

**Date:** April 19, 2023

**To:** The Honorable Board of Directors

**From:** Shivaji Deshmukh, General Manager

**Committee:** Engineering, Operations & Water Resources

04/12/23

**Staff Contact:** Christiana Daisy, Deputy General Manager

**Subject:** RP-1 Tertiary Plant Building Water Piping Upgrades Construction Contract Award

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**Executive Summary:**

The Regional Plant No.1 (RP-1) Supervisory Control and Data Acquisition (SCADA) Migration Project will replace Inland Empire Utilities Agency's (IEUA) obsolete SCADA system with an improved distributed control system technology. The RP-1 SCADA Migration final design was completed in November 2022, which included modifications to the Tertiary Plant (TP) operations building to convert office space to a new server room. Within the design, a small scope of work was developed to prepare the TP building retrofits prior to the migration project. The configuration at the TP building involves relocating existing potable water and utility water pipelines to create enough space for the future server room equipment. A subproject to the migration project was created to conduct this small portion of civil work. The SCADA migration scope of work is primarily focused on electrical and instrumentation, while the small scope of work is focused on civil improvements; this approach provides the best value to IEUA.

On January 3, 2023, IEUA issued an invitation for bids to the pre-qualified contractors on the under \$2 million list. On January 31, 2023, IEUA received two construction bids. W.A. Rasic Construction Company, Inc. was the lowest, responsive, responsible bidder with a bid price of \$150,888. The engineer's estimate was \$150,000.

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**Staff's Recommendation:**

1. Award a construction contract for the RP-1 TP Building Water Piping Upgrades, Project No. EN13016.06, to W.A. Rasic Construction Company, Inc. in the amount of \$150,888; and
2. Authorize the General Manager to execute the construction contract, subject to non-substantive changes.

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**Budget Impact** *Budgeted (Y/N):* Y *Amendment (Y/N):* N *Amount for Requested Approval:*

*Account/Project Name:*

EN13016.06/RP-1 TP Building Water Piping Upgrades

*Fiscal Impact (explain if not budgeted):*

The project has an approved FY 22/23 Budget of \$5,000,000 and an approved Total Project Budget of \$31,117,055 in the Regional Wastewater Operations Fund (10800). This action is covered by the approved budget. The funding sources for the project include: sewer rates, property taxes, and capital replacement reserves.

**Prior Board Action:**

None.

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**Environmental Determination:**

Statutory Exemption

CEQA exempts a variety of projects from compliance with the statute. This project qualifies for the Common Sense Exemption as defined in Section 15061(b)(3) of the State CEQA Guidelines.

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**Business Goal:**

The RP-1 TP Building Water Piping Upgrades Project is consistent with IEUA's Business Goal of Wastewater Management that ensures quality asset management and that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

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**Attachments:**

Attachment 1 - PowerPoint

Attachment 2 - Construction Contract

# **Attachment 1**



The background image shows the exterior of a brick building. In the center is a blue door flanked by two light-colored panels. To the left of the door is a smaller blue door. To the right of the door is a complex assembly of blue water pipes, valves, and a yellow vertical pipe. The building has a light-colored brick facade and a dark blue roofline. A dark blue semi-transparent banner with a yellow border is overlaid across the middle of the image, containing the title and project number.

# RP-1 Tertiary Plant Building Water Piping Upgrades Construction Contract Award

Project No. EN13016.06

Karen Ferrer Chairez  
Associate Engineer  
April 2023



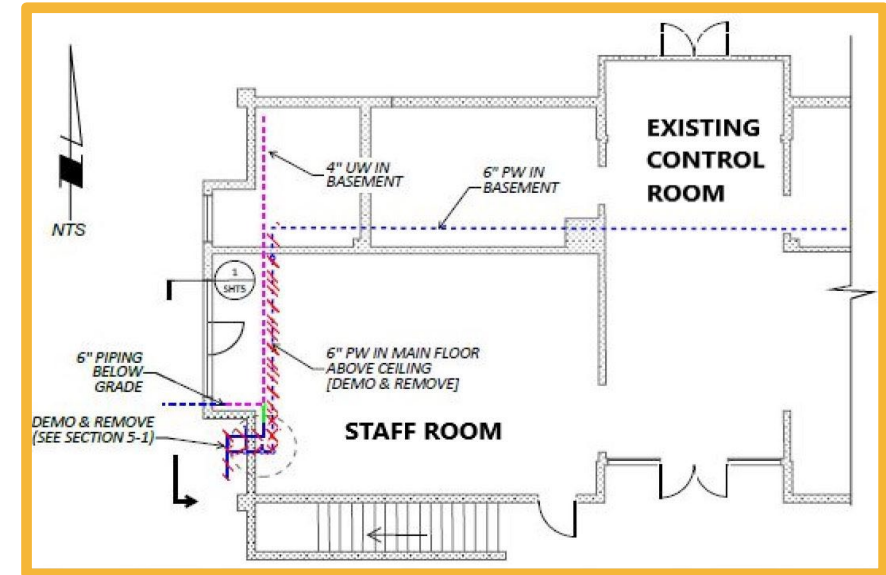
# Project Location



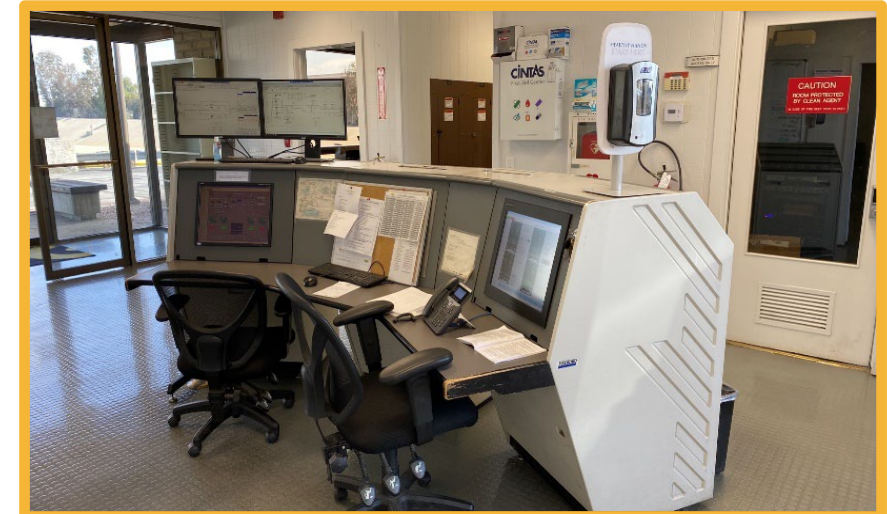


# Project Background

- RP-1 SCADA Migration Project (Parent Project)
  - Replace obsolete SCADA system
  - Install new distributed control system technology
  - Retrofit buildings with new control and server rooms
- Subproject created to modify existing piping configuration
  - Project Goal: Accommodate future server room equipment at TP Operations Building



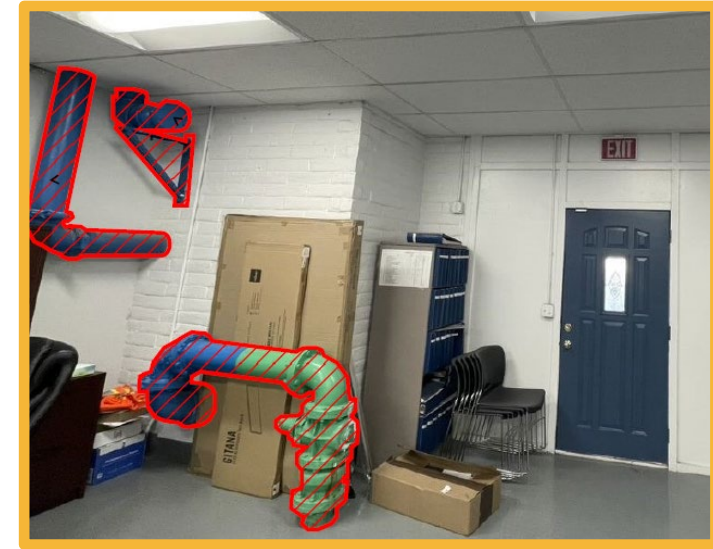
TP Building Staff Room Plan View



Existing Control Room at TP Building

# Project Scope of Work

- Demolish recycled water and potable water (PW) piping
  - Relocate new 6" PW piping
  - Flush, disinfect, and leak test



Staff Room Piping Removal



Exterior of Building Scope of Work



Drop Ceiling Piping Above Staff Room

# Contractor Selection

- January 3, 2023 : PlanetBids Solicitation Posted  
—28 calendar days (20 working days)
- January 31, 2023: Two bids were received from pre-qualified contractors
- W.A. Rasic Construction Company: Lowest, responsive, responsible bidder

Bidder's Name	Final Bid Amount
W.A. Rasic Construction Company Inc.	\$150,888
Ferreira Construction Co. Inc.	\$208,000
Engineer's Estimate	\$150,000

# Project Budget and Schedule

Description	Cost
<b>Design Services</b>	<b>\$4,183,510</b>
Design Consultant Contract (actuals)	\$2,547,987
IEUA Design Services (actuals)	\$1,303,883
Arcadis U.S. Inc. (RP-1 Control Schematics)	\$239,940
SCADA Programming Services – PCN Review	\$91,700
<b>Construction Services</b>	<b>\$5,692,901</b>
Engineering Services During Construction – Eramosa	\$669,717
IEUA Construction Services (10%)	\$1,223,184
SCADA Programming Services – Integration - TSI	\$3,800,000
<b>Construction</b>	<b>\$13,455,025</b>
Construction Contract (Engineer's estimate)	\$10,000,000
Rockwell Pre-Purchased Parts	\$1,891,100
Cisco Pre-Purchased Parts	\$189,853
Tertiary Building Water Piping Upgrades (This Action)	\$150,888
Contingency (~10%)	\$1,223,184
<b>Total Project Cost (this Project):</b>	<b>\$23,331,436</b>
<b>Total Project Cost (CCWRF, RP-4, and RP-5)</b>	<b>\$14,952,890</b>
<b>Total Project Cost (All)</b>	<b>\$38,284,326*</b>
<b>Total Project Budget:</b>	<b>\$31,117,055*</b>

Project Milestone	Date
<b>Design</b>	
Design Completion	November 2022
<b>Construction (Estimated)</b>	
Construction Contract Award	April 2023
Construction Completion	July 2023

\*The budget will be augmented upon receiving the RP-1 SCADA Migration Project construction bids.

# Staff's Recommendation

1. Award a construction contract for the RP-1 TP Building Water Piping Upgrades, Project No. EN13016.06, to W.A. Rasic Construction Company, Inc., in the amount of \$150,888; and
2. Authorize the General Manager to execute the construction contract, subject to non-substantive changes.

The RP-1 SCADA Migration Project is consistent with ***IEUA's Business Goal of Wastewater Management*** that ensures quality asset management and that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

# **Attachment 2**

4600003330

## **RP-1 TERTIARY PLANT BUILDING WATER PIPING UPGRADES CONTRACT**

THIS CONTRACT made and entered into this 19<sup>th</sup> day of April, 2023, by and between W.A. Rasic Construction Company, Inc. hereinafter referred to as "CONTRACTOR," and The Inland Empire Utilities Agency, a Municipal Water District, located in San Bernardino County, California, hereinafter referred to as "IEUA".

### **WITNESSETH:**

That for and in consideration of the promises and agreements hereinafter made and exchanged, IEUA and the CONTRACTOR agree as follows:

- A.** CONTRACTOR agrees to perform and complete in a workmanlike manner, all Work required under these Bid Documents FOR **IFB-RW-23-004, Project No. EN13016.06, RP-1 Tertiary Plant Building Water Piping Upgrades** in accordance with the Bid Documents, and to furnish at their own expense, all labor, materials, equipment, tools, and services necessary, except such materials, equipment, and services as may be stipulated in said Bid Documents to be furnished by IEUA, and to do everything required by this Contract and the said Bid Documents.
- B.** For furnishing all said labor, materials, equipment, tools, and services, furnishing and removing all plant, temporary structures, tools and equipment, and doing everything required by this Contract and said Bid Documents; also for all loss and damage arising out of the nature of the Work aforesaid, or from the action of the elements, or from any unforeseen difficulties which may arise during the prosecution of the Work until its acceptance by IEUA, and for all risks of every description connected with the Work; also for all expenses resulting from the suspension or discontinuance of Work, except as in the said Bid Documents are expressly stipulated to be borne by IEUA; and for completing the Work in accordance with the requirements of said Bid Documents, IEUA will pay and said CONTRACTOR shall receive, in full compensation therefore, the price(s) set forth in this Contract.
- C.** That IEUA will pay the CONTRACTOR progress payments and the final payment, in accordance with the provisions of the Contract Documents, with warrants drawn on the appropriate fund or funds as required, at the prices bid in Section 4 – Forms, Bid Price Schedule & Bid Forms, and accepted by IEUA, and set forth in this below.

Total Bid Price: \$150,888 Dollars and 00 Cents.



- D. IEUA hereby employs the CONTRACTOR to perform the Work according to the terms of this Contract for the above-mentioned price(s), and agrees to pay the same at the time, in the manner, and upon the conditions stipulated in the said Bid Documents; and the said parties for themselves, their heirs, executors, administrators, successors, and assigns, do hereby agree to the full performance of the covenants herein contained.
- E. The Notice Inviting Bids, Instructions to Bidders, Bid Forms, Information Required of Bidder, Performance Bond, Payment Bond, Contractor's License Declaration, Specifications, Drawings, and all Project Requirements, and all Addenda issued by IEUA with respect to the foregoing prior to the opening of bids, are hereby incorporated in and made part of this Contract, as if fully set forth.
- F. The CONTRACTOR agrees to commence Work under this Contract on or before the date to be specified in a written "Notice To Proceed" and to complete said Work to the satisfaction of IEUA **Ninety (90)** calendar days after the Notice to Proceed. All Work shall be completed before final payment is made.
- G. Time is of the essence on this Contract.
- H. CONTRACTOR agrees that in case the Work is not completed before or upon the expiration of the Contract Time, damage will be sustained by IEUA, and that it is and will be impracticable to determine the actual damage which IEUA will sustain in the event and by reason of such delay, and it is therefore agreed that the CONTRACTOR shall pay to IEUA the amounts as set forth in Section 2 – General Information, S., Liquidated Damages for each day of delay, which shall be the period between the expiration of the Contract Time and the date of final acceptance by IEUA, as liquidated damages and not as a penalty. It is further agreed that the amount stipulated for liquidated damages per day of delay is a reasonable estimate of the damages that would be sustained by IEUA, and the CONTRACTOR agrees to pay such liquidated damages as herein provided. In case the liquidated damages are not paid, the CONTRACTOR agrees that IEUA may deduct the amount thereof from any money due or that may become due to the CONTRACTOR by progress payments or otherwise under the Contract, or if said amount is not sufficient, recover the total amount.
- I. In addition to the liquidated damages, which may be imposed if the CONTRACTOR fails to complete the Work within the time agreed upon, IEUA may also deduct from any sums due or to become due to the CONTRACTOR, penalties and fines for violations of applicable local, state, and federal law.
- J. That the CONTRACTOR shall carry Workers' Compensation Insurance and require all subcontractors to carry Workers' Compensation Insurance as required by the California Labor Code.



- K.** That the CONTRACTOR shall have furnished, prior to execution of the Contract, two bonds approved by IEUA, one in the amount of one hundred (100) percent of the Contract Price, to guarantee the faithful performance of the Work, and one in the amount of one hundred (100) percent of the Contract Price to guarantee payment of all claims for labor and materials furnished.
- L.** The CONTRACTOR hereby agrees to protect, defend, indemnify and hold IEUA and its employees, agents, officers, directors, servants and volunteers free and harmless from any and all liability, claims, judgments, costs and demands, including demands arising from injuries or death of persons (including employees of IEUA and the CONTRACTOR) and damage to property, arising directly or indirectly out of the obligation herein undertaken or out of the operations conducted by the CONTRACTOR, its employees agents, representatives or subcontractors under or in connection with this Contract to the extent permitted by law.

The CONTRACTOR further agrees to investigate, handle, respond to, provide defense for and defend any such claims, demands or suit at the sole expense of the CONTRACTOR

IN WITNESS WHEREOF, The CONTRACTOR and the General Manager of Inland Empire Utilities Agency\*, thereunto duly authorized, have caused the names of said parties to be affixed hereto, each in duplicate, the day and year first above written.

- M.** The CONTRACTOR, by signing the contract does swear under penalty of perjury that no more than one final unappeasable finding of contempt of court by a Federal court has been issued against the CONTRACTOR within the immediately preceding two year period because of the CONTRACTOR's failure to comply with an order of a Federal court which orders the CONTRACTOR to comply with an order of the National Labor Relations Board (Public Contract Code 10296).

Inland Empire Utilities Agency\*,  
San Bernardino County, California.

By \_\_\_\_\_  
*Shivaji Deshmukh*  
*General Manager*

CONTRACTOR

DocuSigned by:  
By *Peter L. Rasic*  
759240125161C6...  
*Peter L. Rasic*  
*President*

\* *A Municipal Water District*

**ACTION  
ITEM  
2C**

**Date:** April 19, 2023

**To:** The Honorable Board of Directors

**From:** Shivaji Deshmukh, General Manager

**Committee:** Engineering, Operations & Water Resources

04/12/23

Finance & Administration

04/12/23

**Staff Contact:** Christiana Daisy, Deputy General Manager

**Subject:** Regional System Asset Management Project, EN19024, Fiscal Year 2022/23 Budget Augmentation

---

### Executive Summary:

In 2020, Inland Empire Utilities Agency (IEUA) with CDM Smith initiated the Collection System Condition Assessment and Optimization Project. The goal of the project is to enhance IEUA's planning and maintenance of the collection assets within the regional and brine sewer systems by gathering condition assessment data on several critical sewer assets and develop a comprehensive sewer system maintenance optimization program. The project is scheduled to be completed by June 2023.

Staff is recommending a Fiscal Year (FY) 2022/23 budget augmentation for EN19024 to complete the project as scheduled. The adjustment would augment the FY 2022/23 budget for EN19024 from \$414,297 to \$696,580 (\$282,283 increase). This adjustment would allow the projected spending needed to close out this project to align with the total project budget. This change will not increase the total project budget for the project.

---

### Staff's Recommendation:

1. Approve a FY 2022/23 project budget augmentation for the Regional System Asset Management Project, No. EN19024, in the amount of \$282,283, from \$414,297 to \$696,580 (68% increase) in the Regional Operations and Maintenance (10800) Fund; and
2. Authorize the General Manager to approve the budget augmentation.

---

**Budget Impact** Budgeted (Y/N): Y Amendment (Y/N): Y Amount for Requested Approval: \$ 282,283

Account/Project Name:

EN19024/Regional System Asset Management

### Fiscal Impact (required):

If approved, the FY 2022/23 Project Budget for Project EN19024 will increase from \$414,297 to \$696,580 (68% increase) in the Regional Wastewater Operations Fund (10800). This change will not increase the Total Project Budget of \$3,919,419 for the project. The funding sources for the project include: sewer rates, property taxes, and operating reserves.

---

**Prior Board Action:**

On September 21, 2022, IEUA's Board of Directors approved a FY 22/23 budget augmentation for the Regional System Asset Management Project, No. EN19024, in the amount of \$50,237. On July 20, 2022, IEUA's Board of Directors approved a total project budget augmentation for the Regional System Asset Management Project, No. EN19024, in the amount of \$329,000. On September 16, 2020, IEUA's Board of Directors approved a contract with CDM Smith for a not-to-exceed amount of \$2,910,909 Project Nos. EN19024 & EN19028.

---

**Environmental Determination:****Statutory Exemption**

CEQA exempts a variety of projects from compliance with the statute. This project qualifies for a Statutory Exemption as defined in Section 15262 of the State CEQA Guidelines.

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**Business Goal:**

The Collection System Condition Assessment and Optimization Service Project is consistent with the IEUA's Business Goal of Wastewater Management, specifically the Asset Management and Water Quality objectives, that IEUA will ensure that systems are well maintained, upgraded to meet evolving requirements, sustainably managed, and accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.


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**Attachments:**

Attachment 1- PowerPoint



# **Attachment 1**



# Regional System Asset Management Project

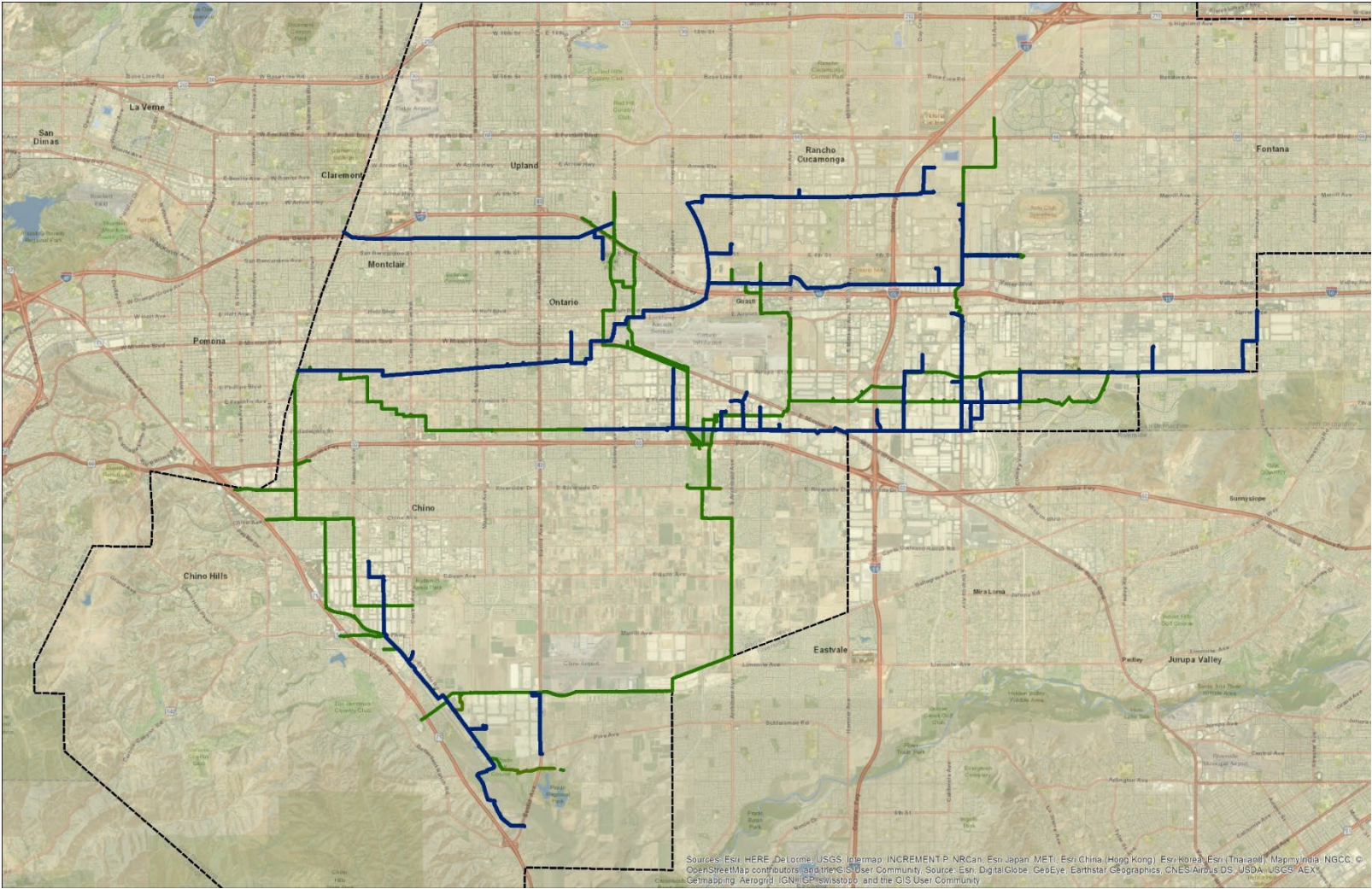
## Fiscal Year 2022/23 Budget Augmentation

### Project No. EN19024

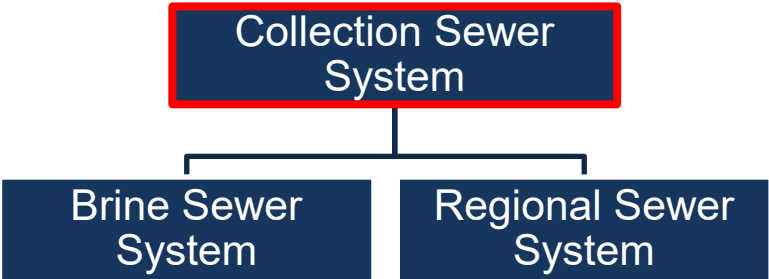
Ryan Ward, E.I.T.  
Associate Engineer  
April 2023



# Project Overview/Location



**Collection Sewer System – 157 miles**  
Brine Sewer System (BSS) —  
Regional Sewer System (RSS) —



**Collection Sewer System**

- Two independent sewer systems
- Regional Sewer System
- Brine Sewer System

City	BSS – Siphons	RSS – Siphons
Rancho Cucamonga	4	-
Ontario	5	10
Fontana	3	4
Chino	1	14
Chino Hills	-	-
Claremont	-	-
<b>Total Assets</b>	<b>13</b>	<b>28</b>
<b>Total Length of Assets</b>	<b>4,745 feet</b>	<b>9,601 feet</b>



# Project Goals/Objectives

- Goals
  - Enhance asset data
  - Develop risk management framework
  - Support asset management best practices
- Objectives
  - Conduct assessment, inspection and cleaning
  - Develop maintenance optimization plan



Coordination  
Development of Condition  
Assessment Implementation  
Plan



Implementation  
Condition Assessments,  
Inspections, and Cleaning



Evaluation  
Available Data and  
Information



Optimization  
Collection System Enhanced  
Management Program

Path to Meeting Goals & Objectives



# Project Budget and Schedule

Description	Cost
<b><i>Asset Management/Inspection Support (actuals/projected)</i></b>	<b><i>\$1,473,685</i></b>
Asset Management	\$481,687
Inspection Support	\$991,998
<b><i>Other Engineering Consulting Support (actuals/projected)</i></b>	<b><i>\$75,000</i></b>
Engineering Consultant (GHD Contract)	\$75,000
<b><i>CDM Smith's Service Contract (actuals/projected)</i></b>	<b><i>\$3,626,734</i></b>
CDM Smith's Service Contract	\$3,626,734
<b><i>Total Project Budget:</i></b>	<b><i>\$5,175,419</i></b>
Total EN19024's Budget for RSS Assets (RO Fund)	\$3,919,419
Total EN19028's Budget for BSS Assets (NC Fund)	\$1,256,000
<b><i>EN19024: Projected FY22/23 Costs</i></b>	<b><i>\$680,000</i></b>
<b><i>EN19024: Current FY22/23 Budget</i></b>	<b><i>\$414,297</i></b>
<b><i>Requested FY22/23 Budget Augmentation to EN19024 (this action)</i></b>	<b><i>\$282,283</i></b>
<b><i>Adjusted FY22/23 Budget for EN19024:</i></b>	<b><i>\$696,580</i></b>

Contract Milestone	Date
Complete Condition Assessment	Jan. 2023
Complete Planning/Optimization	June 2023

# Staff's Recommendation

1. Approve a FY 2022/23 project budget augmentation for the Regional System Asset Management Project, No. EN19024, in the amount of \$282,283, from \$414,297 to \$696,580 (68% increase) in the Regional Operations and Maintenance (10800) Fund; and
2. Authorize the General Manager to approve the budget augmentation.

This Regional System Asset Management Project is consistent with **IEUA's Business Goal of Wastewater Management**, specifically the Asset Management objective that IEUA will ensure the Collection's System is well maintained, upgraded to meet evolving requirements, sustainably managed, and can accommodate changes in regional water use to protect public health, the environment, and meet anticipated regulatory requirements.

**INFORMATION**  
**ITEM**  
**3A**

# Operations & Maintenance Department Quarterly Update

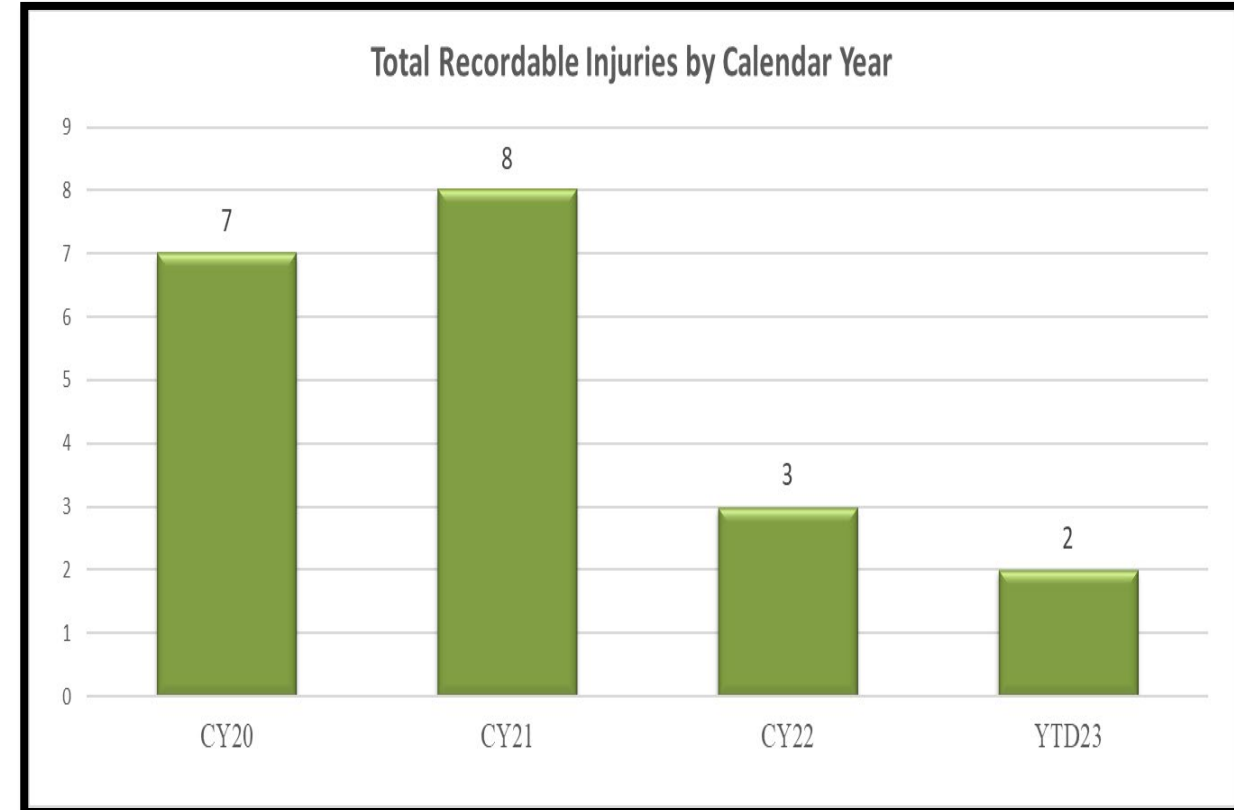
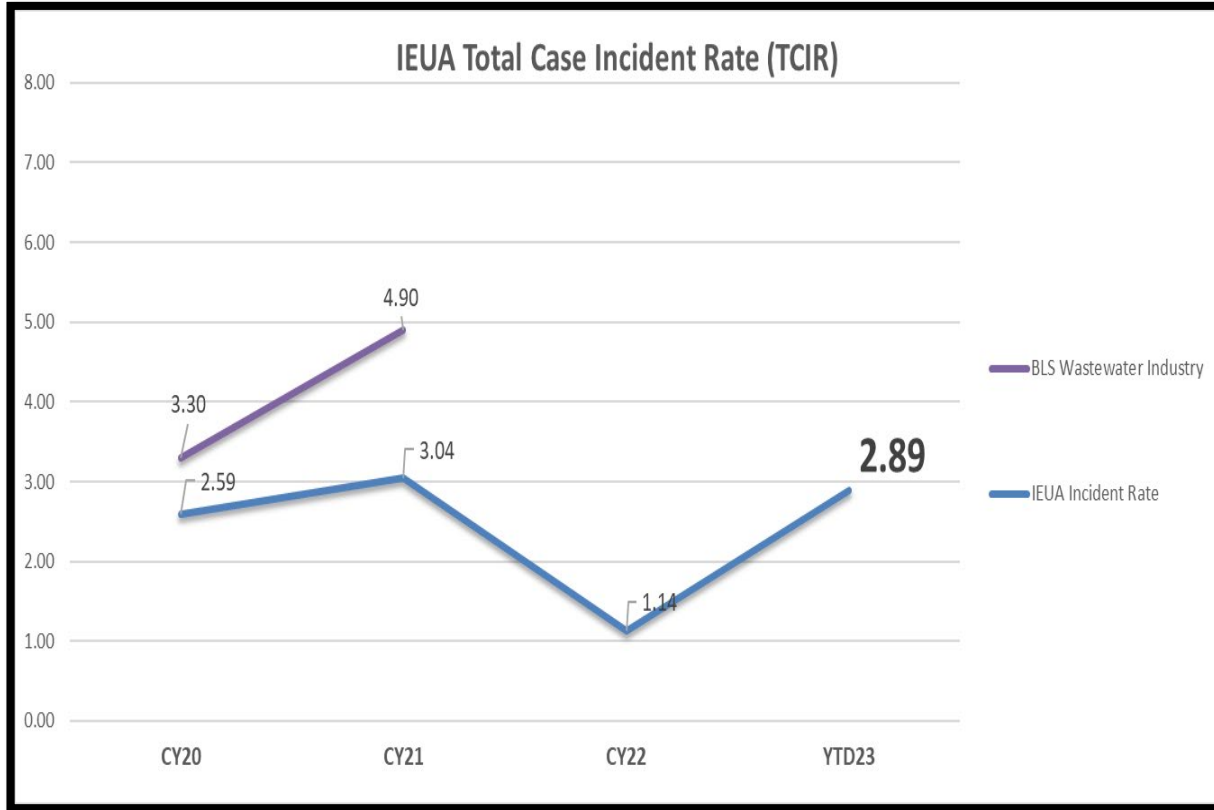
Jeff Ziegenbein

Acting Director of Operations and Maintenance

April 2023



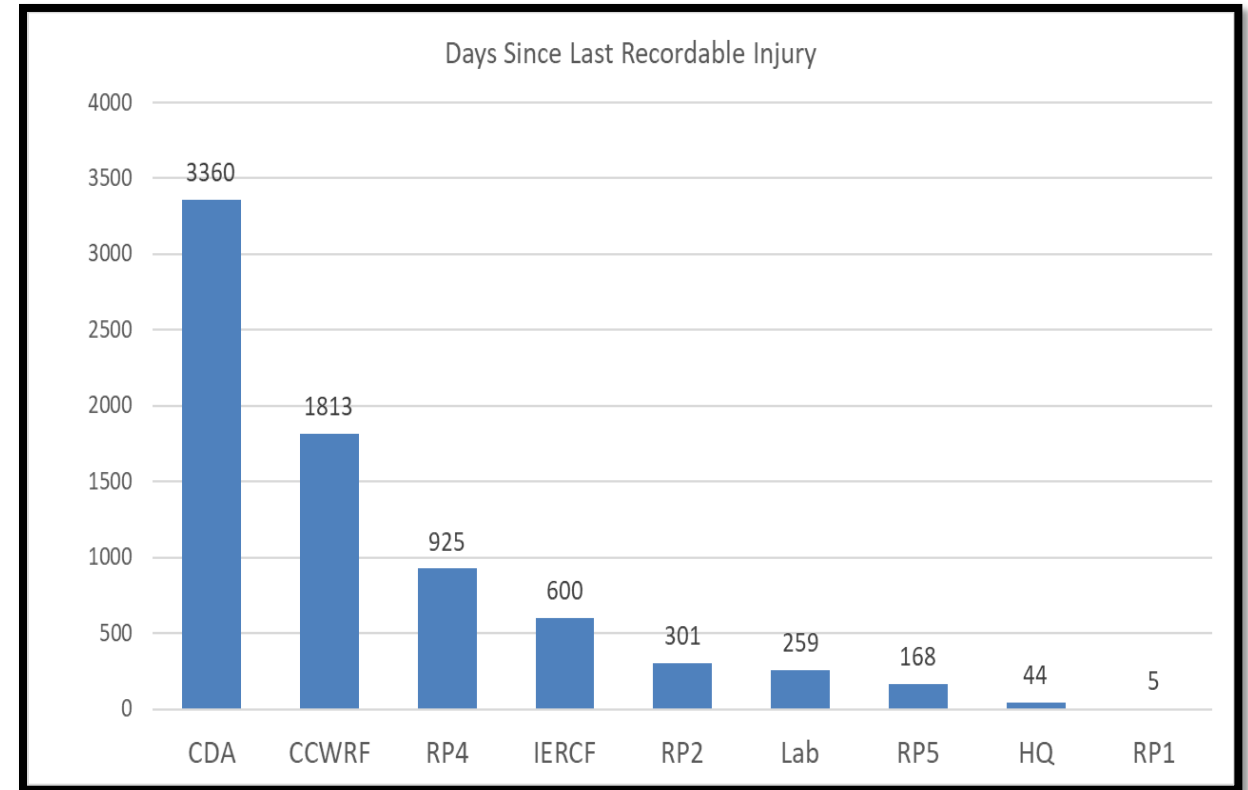
# IEUA Incident Rates vs. Industry & Total Recordable Injuries



- Incident Rate= Recordable Incidents X 200,000 / Number of hours worked
- RECORDABLE INCIDENT RATE - Incident rates are a metric used to compare a company's safety performance against a national average and with other companies in the same business group

# Safety Stats

- Days since last recordable Injury.
- A recordable injury is an injury that resulted in more than first aid treatment.



- As of 3/29/2023

# Operations & Maintenance Department

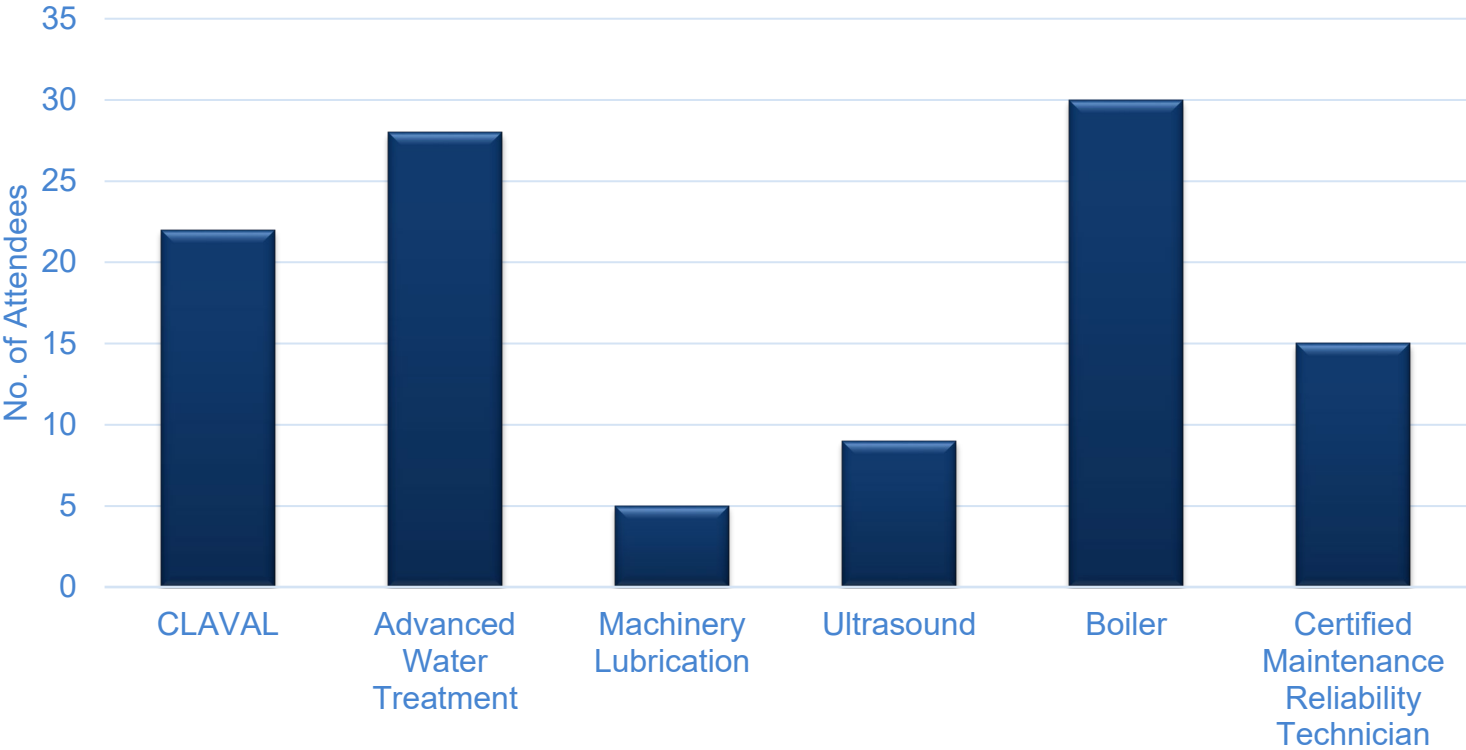


- 4 Units, Training Coordinator
- 145 employees
- Work directly with every Department and Unit across the Agency

# O&M Training Update

- Develop world-class team
- Prepare staff for new programs under construction
  - 7 AWT Certified Operators
- Team-build across Department and Agency

## O&M Training





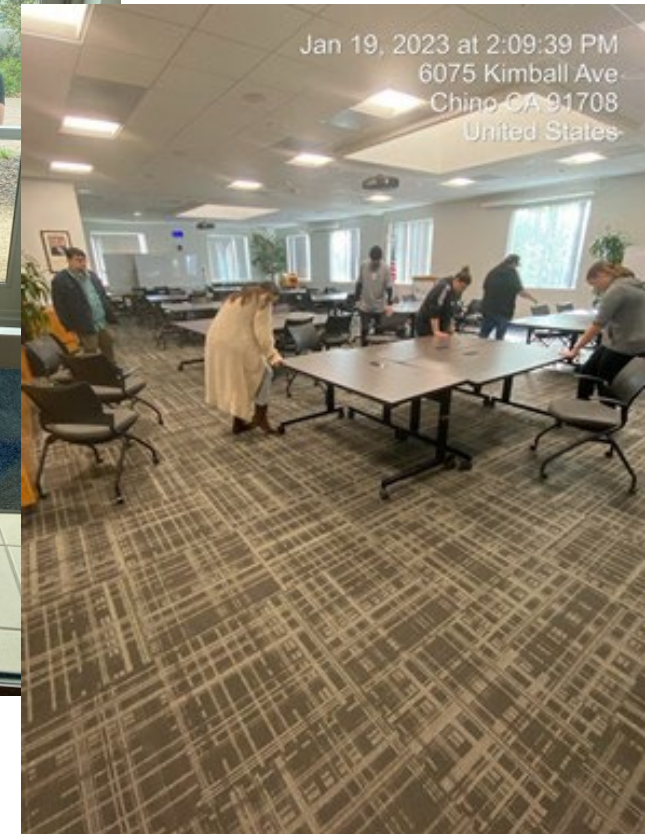
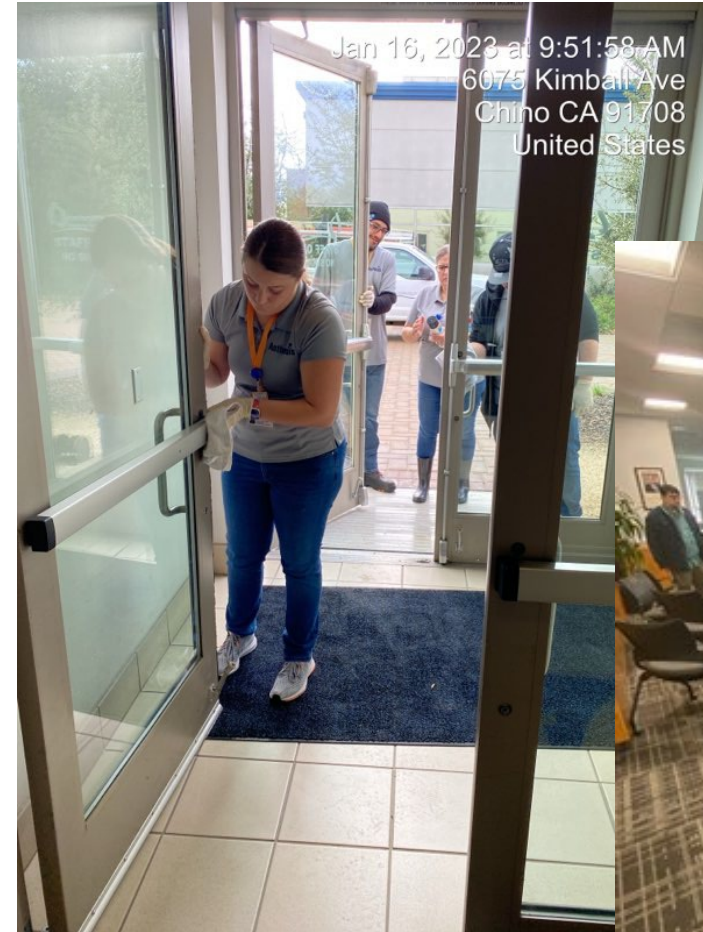
# Facilities & Water System Programs Unit

- 24 staff
- Manages:
  - Sewer Collection System
    - Cleaning & CCTV target of 2,754ft weekly
    - CWEA SARBS Award for Collection System of the Year Small – GOLD
  - Groundwater Recharge
  - Recycled Water Distribution
  - Facilities Management & Security
    - Completes 600 support tickets annually
    - New - Anthesis Partnership



# Facilities & Water System Programs Unit

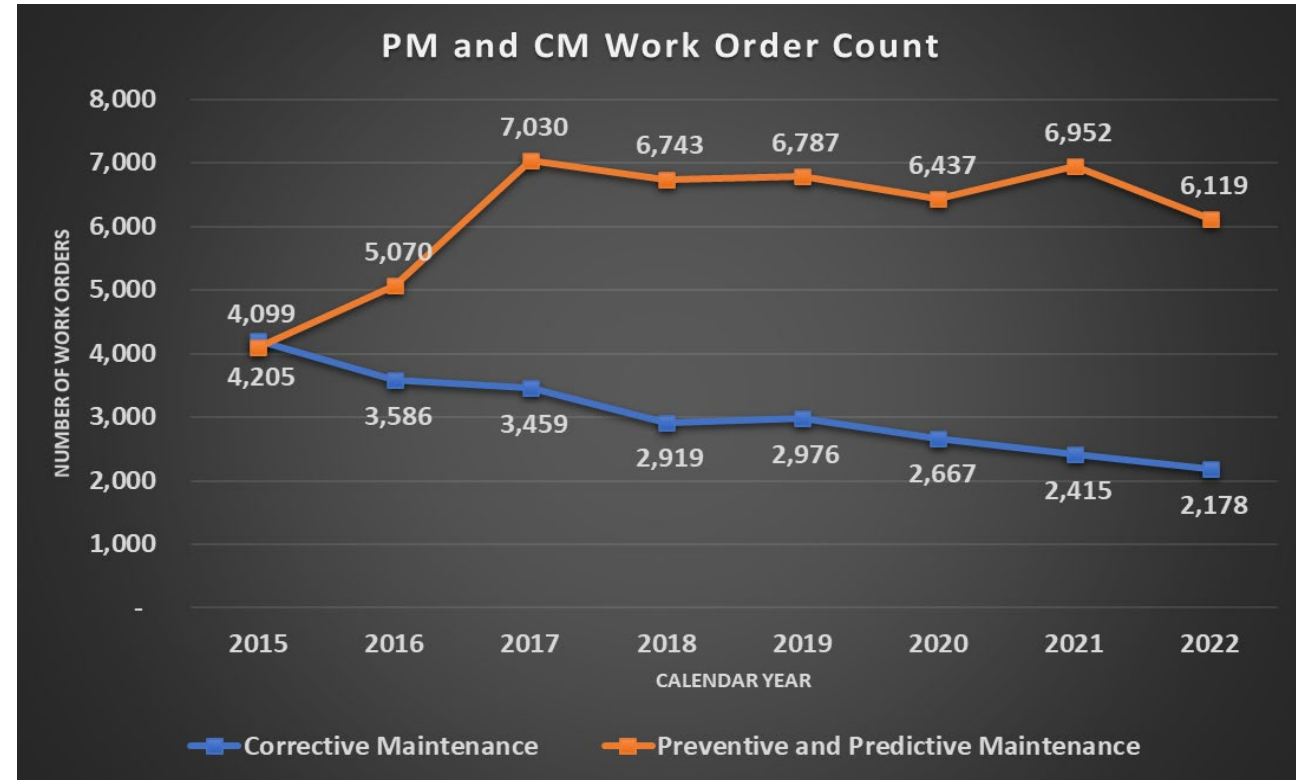
- Anthesis Partnership
  - Started Monday, January 16, 2023
  - Performing day-to-day on-site porter services around our headquarters facilities
  - Operating together with the Facilities Management team to keep our headquarters site hospitable for staff and visitors.





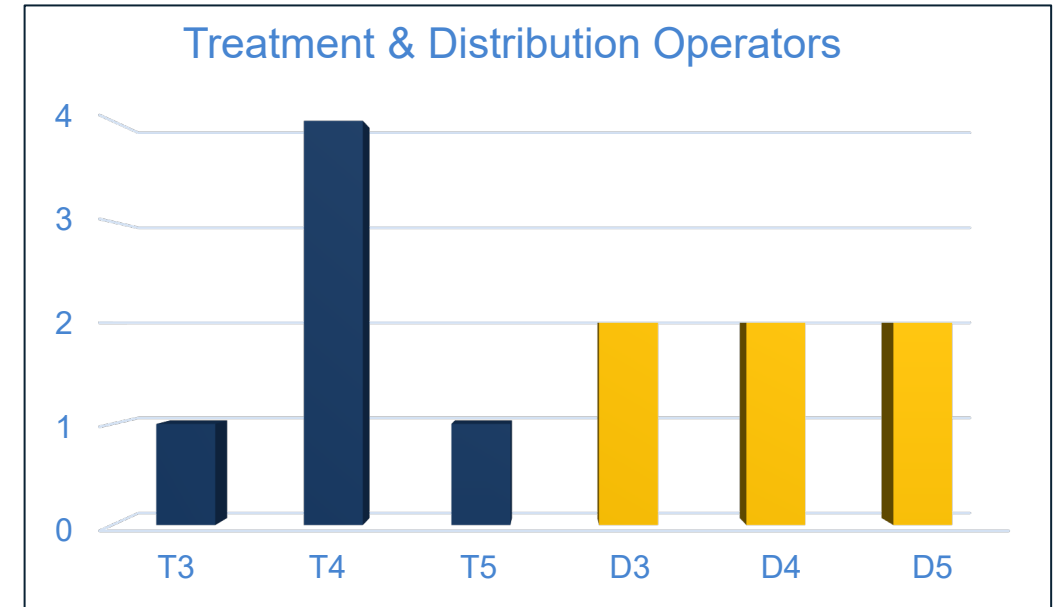
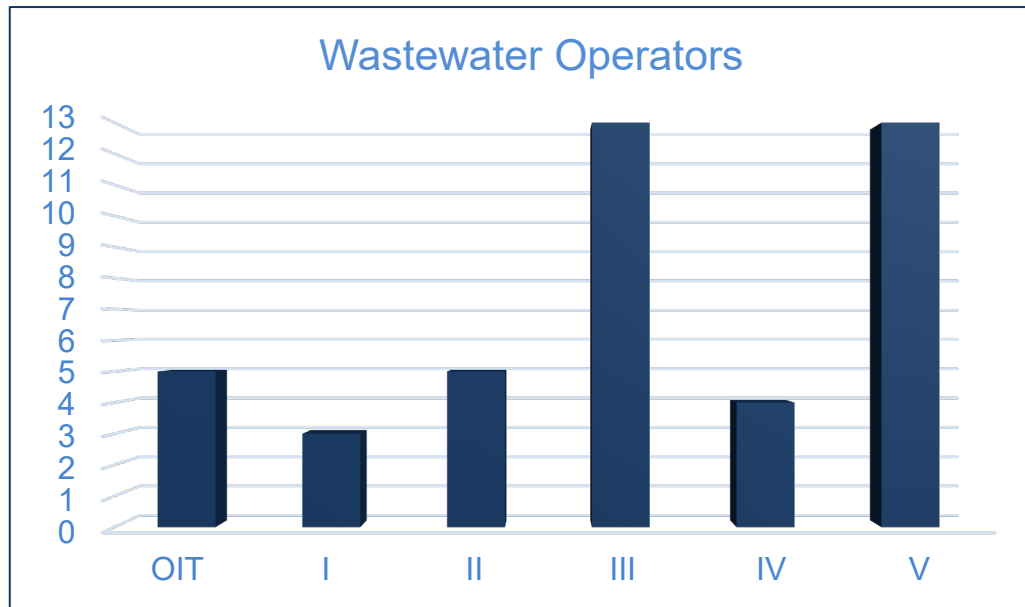
# Maintenance Unit

- 41 staff
- Maintains >15,000 assets
- Completes >10,000 work orders/year
- Includes: Planners, Mechanics, Electrical and Instrumentation Technicians



# Operations Unit

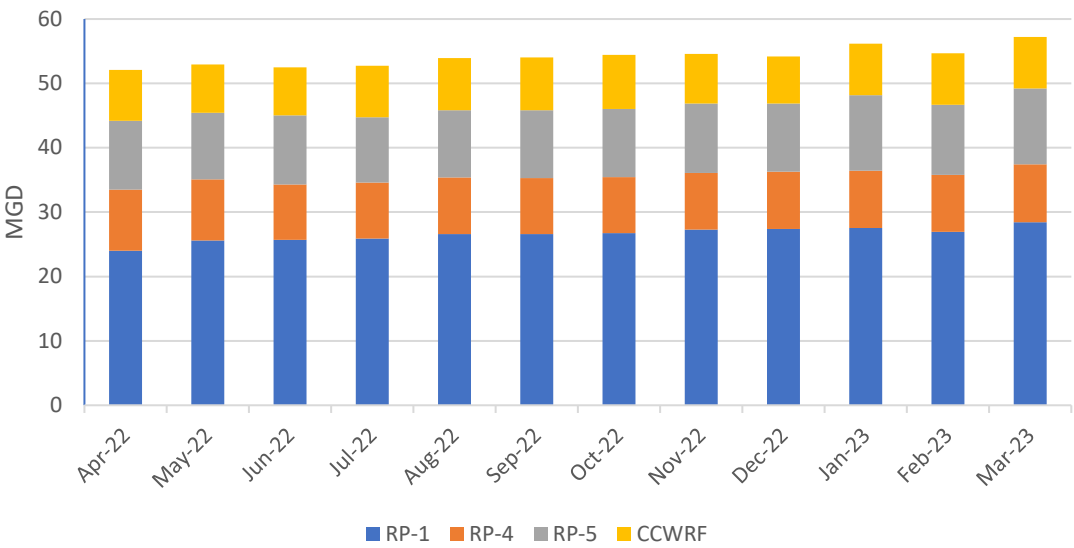
- 49 certified wastewater and water operators across IEUA
- 51 MGD wastewater into valuable recycled water
- 7 Advanced Water Treatment Operators



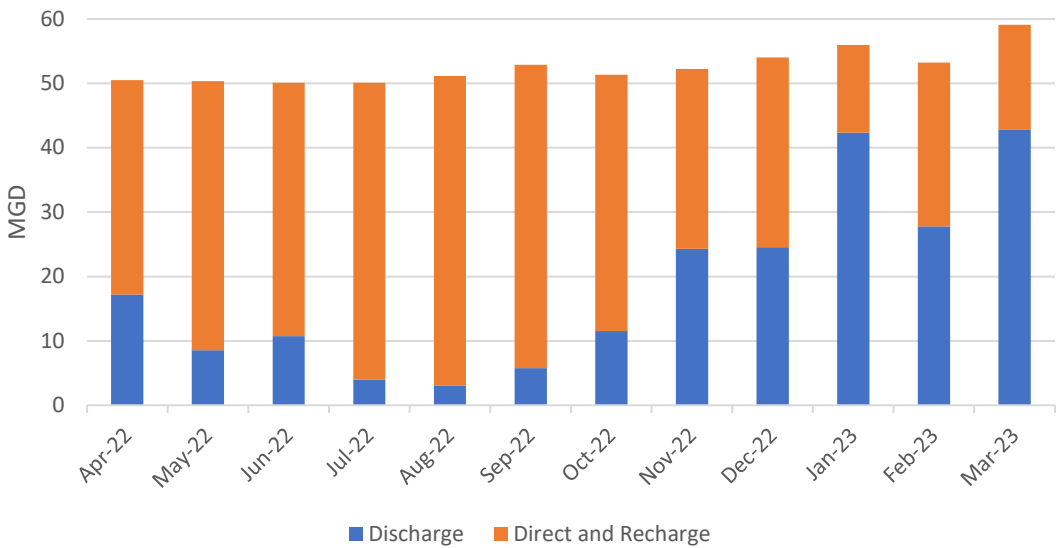


# Production Flow Rates

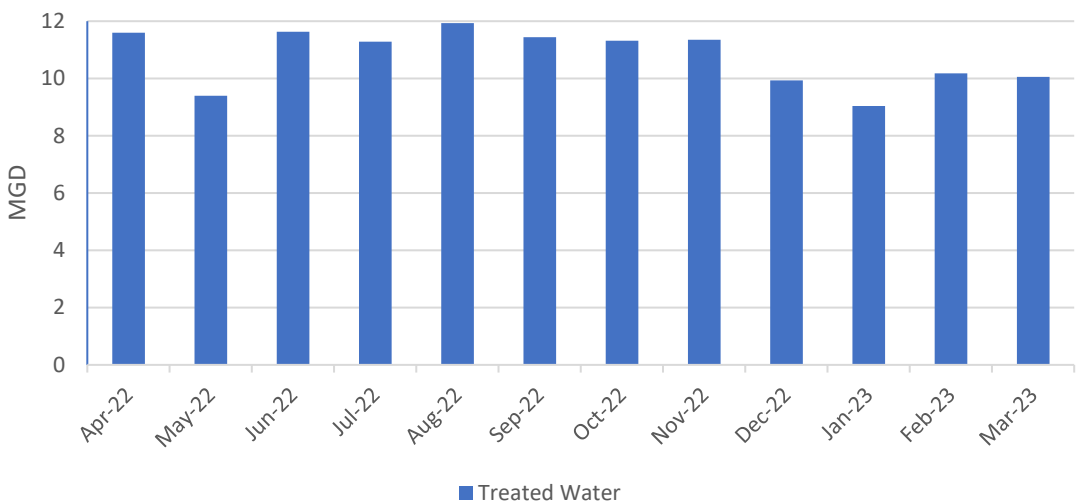
Wastewater Influent Flow



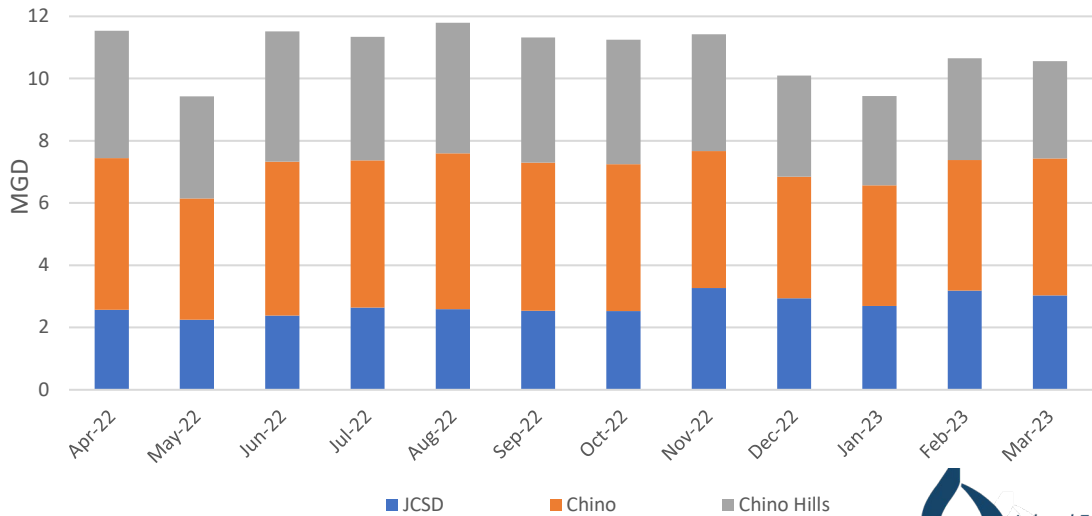
Wastewater Effluent Flow



Chino Desalter Treated Water



Chino Desalter End User Flow



# Organics Management Unit

- 25 staff
- 200,000 tons/yr processed (biosolids and greenwaste)
- Markets 230,000 cys/yr compost
- All operations, maintenance, sales, warehouse, and administration onsite



**INFORMATION  
ITEM  
3B**





# Recycled Water Groundwater Recharge Update

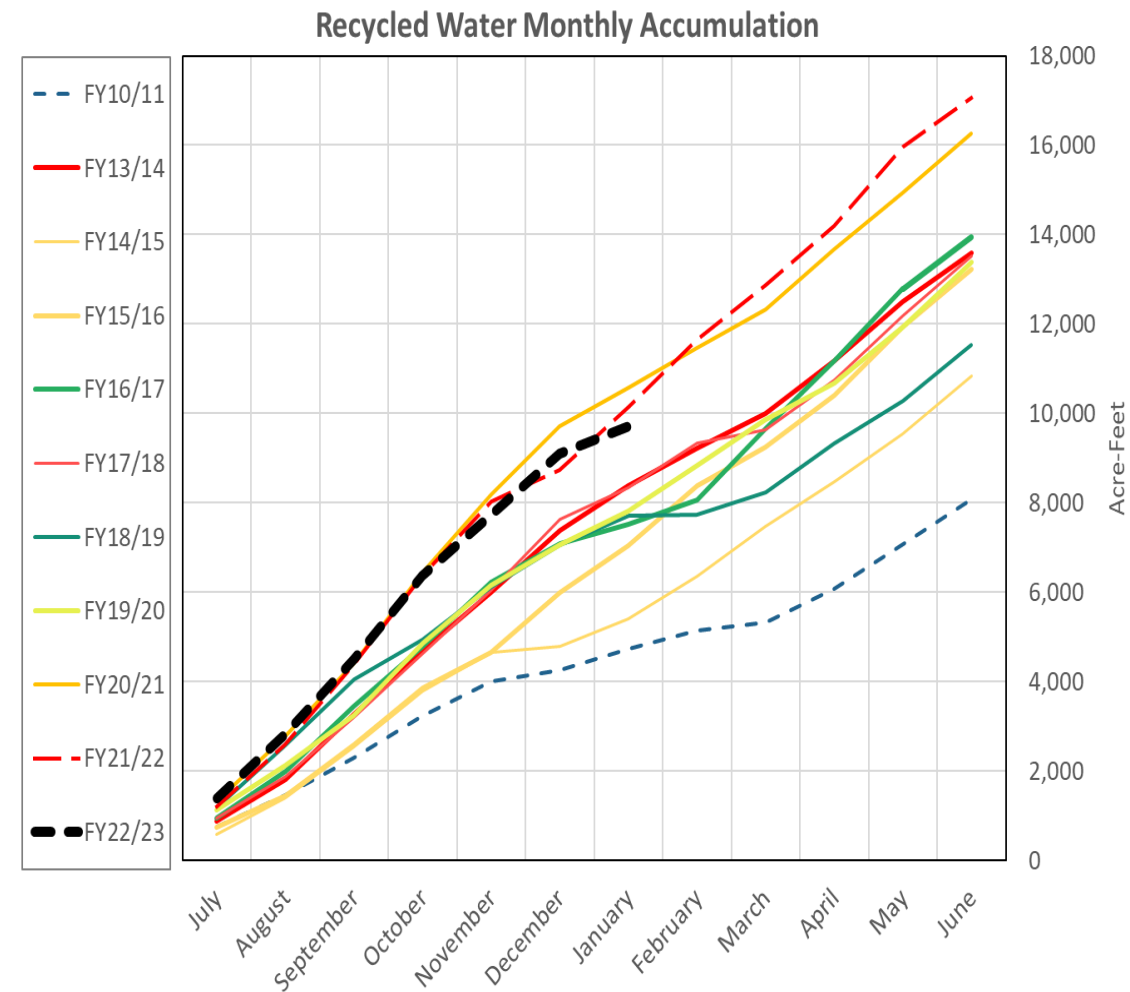
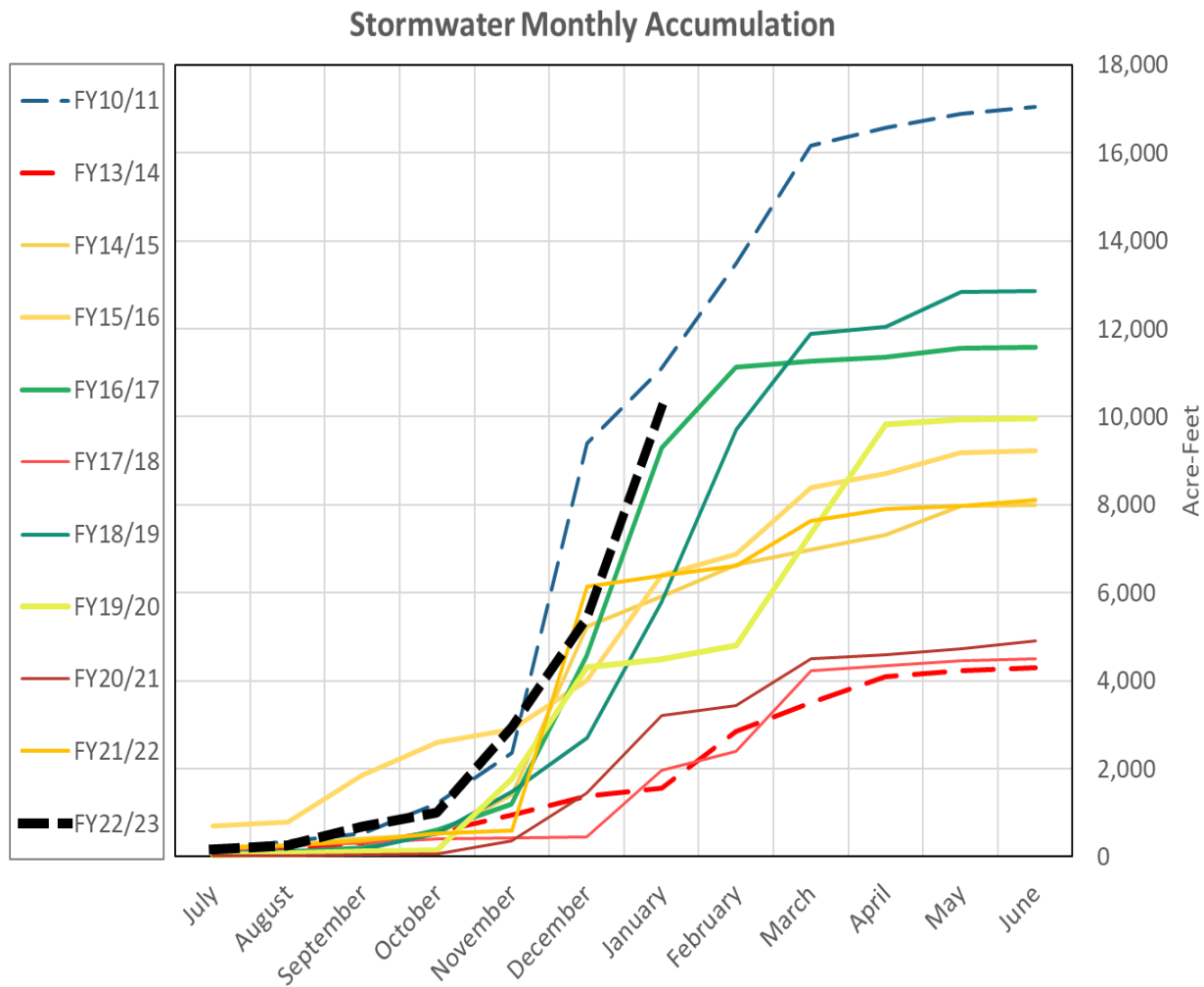
Steven Smith

Acting Groundwater Recharge Coordinator

April 2023

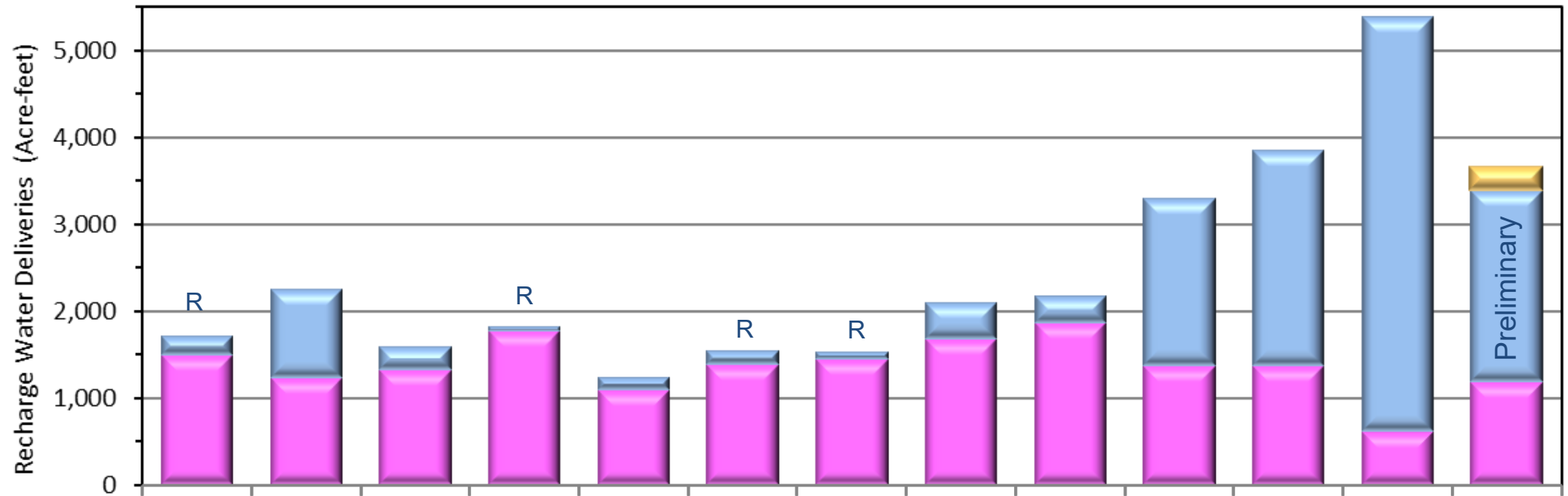


# Annual Recharge Monthly Accumulation



# Groundwater Recharge Deliveries – Past 12 Months

R – Record Monthly RW Recharge in  
February, May, July and August 2022



	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023
■ MWD and other Imported Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	281.6
■ Stormwater and Local Runoff (excluding Non-Replenishment)	222.1	1,022.1	272.7	66.1	145.6	166.0	94.4	429.0	325.4	1,941.8	2,486.0	4,786.7	2,216.4
■ Recycled Water	1,491.7	1,231.6	1,327.2	1,761.7	1,091.2	1,379.8	1,448.3	1,680.7	1,862.6	1,366.1	1,368.7	606.0	1,174.2



# Preliminary Storm Capture Estimates

Month	Storm Capture (Preliminary)
November	1,948 AF
December	2,486 AF
January	4,829 AF
February (Preliminary)	~2,000 AF





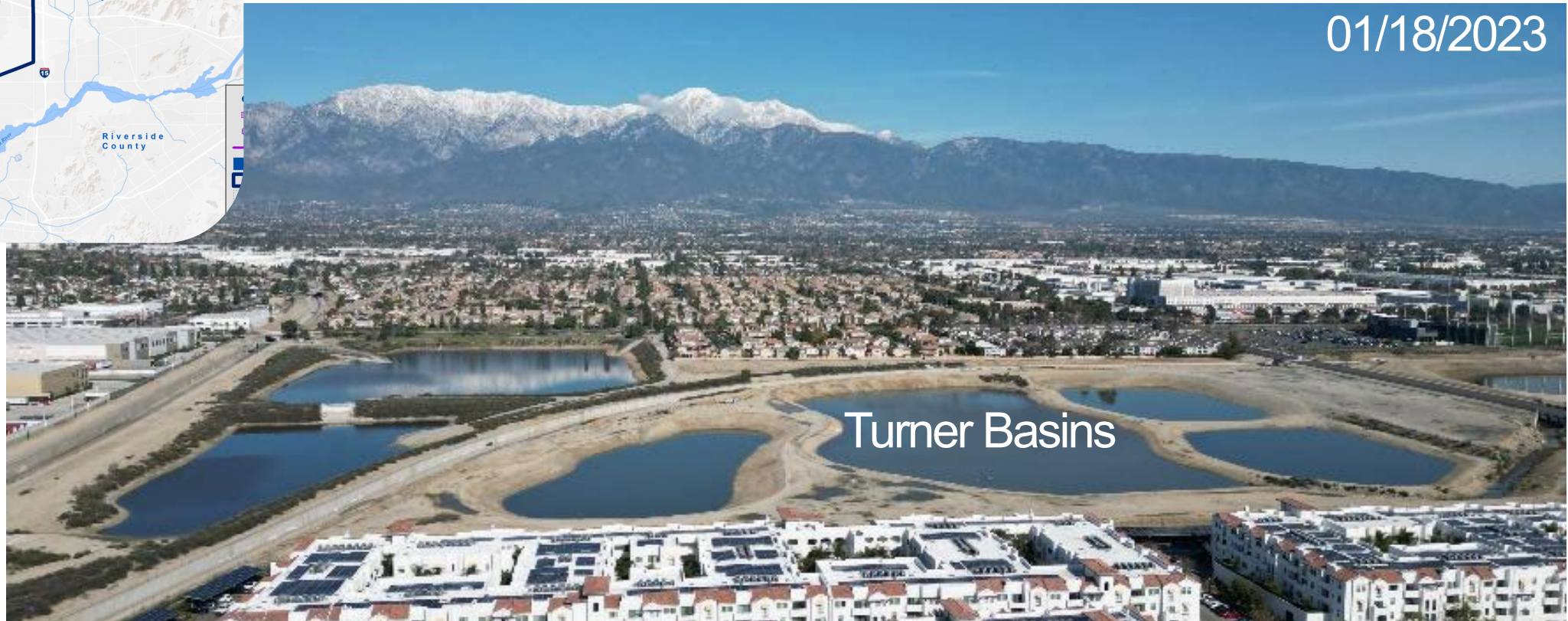
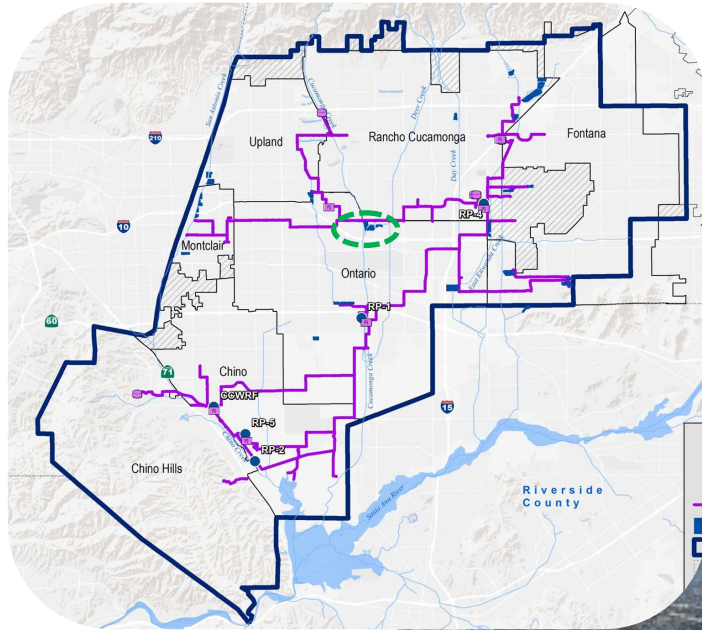
# Imported water deliveries

- SAWCO – San Antonio Creek
- CVWD – West Cucamonga Creek
- MWD – TBD



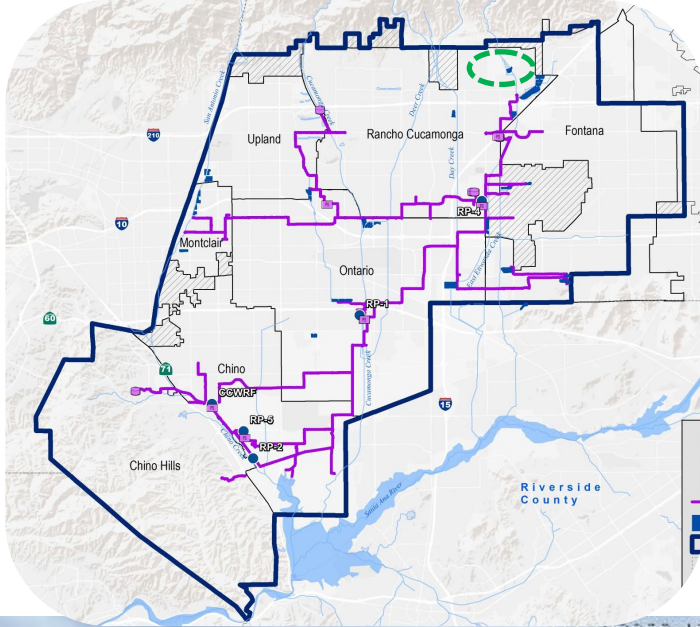


# Storm Capture – Turner Basins



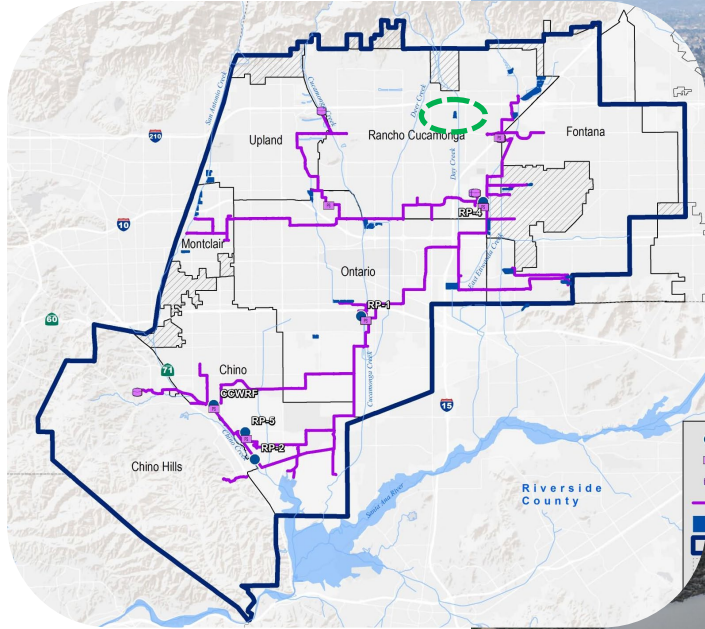


# Storm Capture – Etiwanda Debris Basin



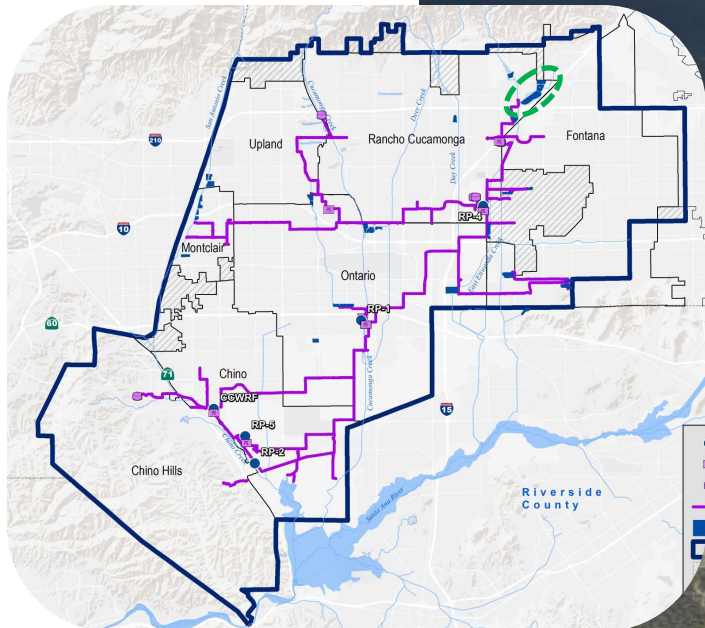


# Storm Capture – Lower Day



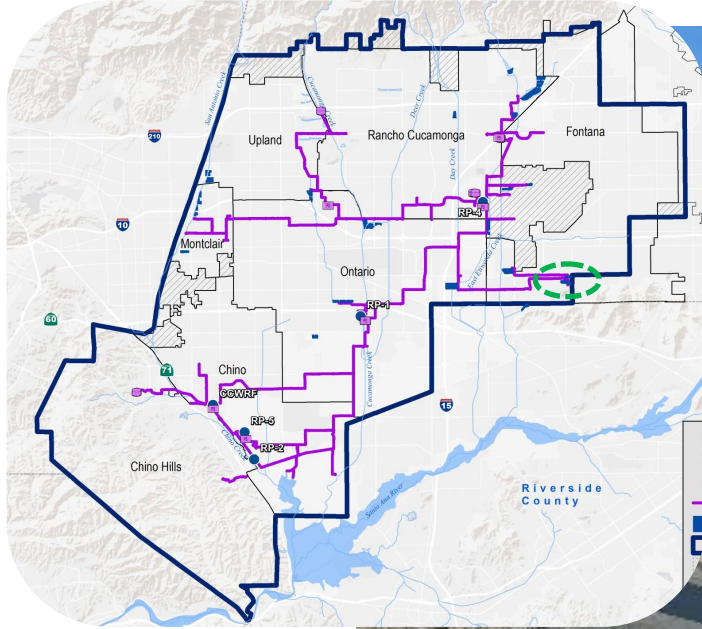


# San Sevaine 3 Muddy Inflows





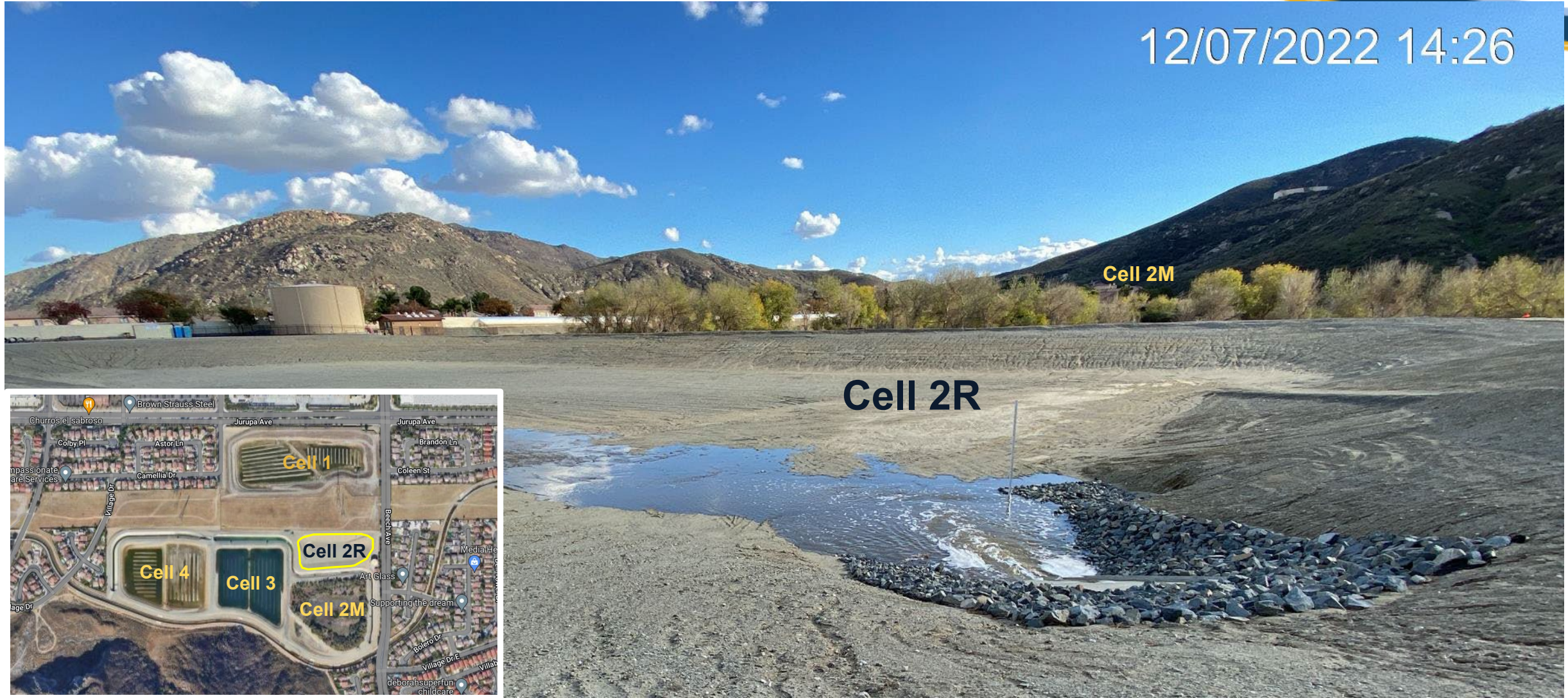
# RP3 Trash Net Installation





# New Recharge Basin Use – RP3 Cell 2R

12/07/2022 14:26





# Upcoming Maintenance Projects

11/30/2022 10:29

Erosion near San Sevaine 5 Pump Vault

09/21/2022 08:29

Lower Day access ramp  
washout repair and regrading

11/30/2022 10:28

02/02/2021

Turner 1 and RP-3  
Rubber Dam Replacement

01/07/2022 10:06

Sediment removal from  
base of outlet headwall



# Questions?



**INFORMATION  
ITEM  
3C**





# RP-5 Expansion Project Update April 2023

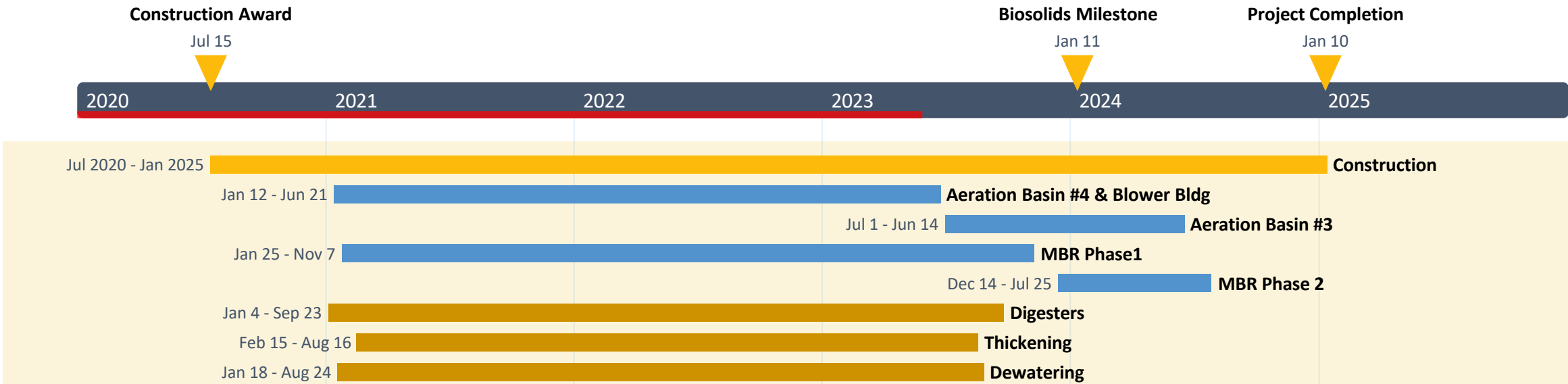
Project Nos. EN19001 and EN19006

Vicky Salazar  
Senior Associate Engineer  
April 2023



# RP-5: Project Status

Day 988 of 1640 = 60%



Role	Firm	Contract	This Month's Payment	Total Paid	% Complete
Contractor	WM Lyles	\$337,290,822	\$4,949,204	\$210,173,630	62%
Designer	Parsons	\$36,833,185	\$243,005	\$33,691,662	91%
Construction Management	Arcadis	\$21,125,523	\$332,121	\$11,481,859	54%

Data date: 3/31/2023

# RP-5: Major Activity Areas



## Construction Staff

- WML Craft: 125
- WML Project: 32
- IEUA & CM: 15
- Total: 172



# RP-5: Major Activities



## Influent Pump Station



# RP-5: Major Activities



## Fine Screens



# RP-5: Major Activities



## Odor Control



# RP-5: Major Activities



## Gas Phase Digester Pipe Bridge



# RP-5: Major Activities



## Gas Phase Digester Building



# RP-5: Major Activities



## Thickening Building



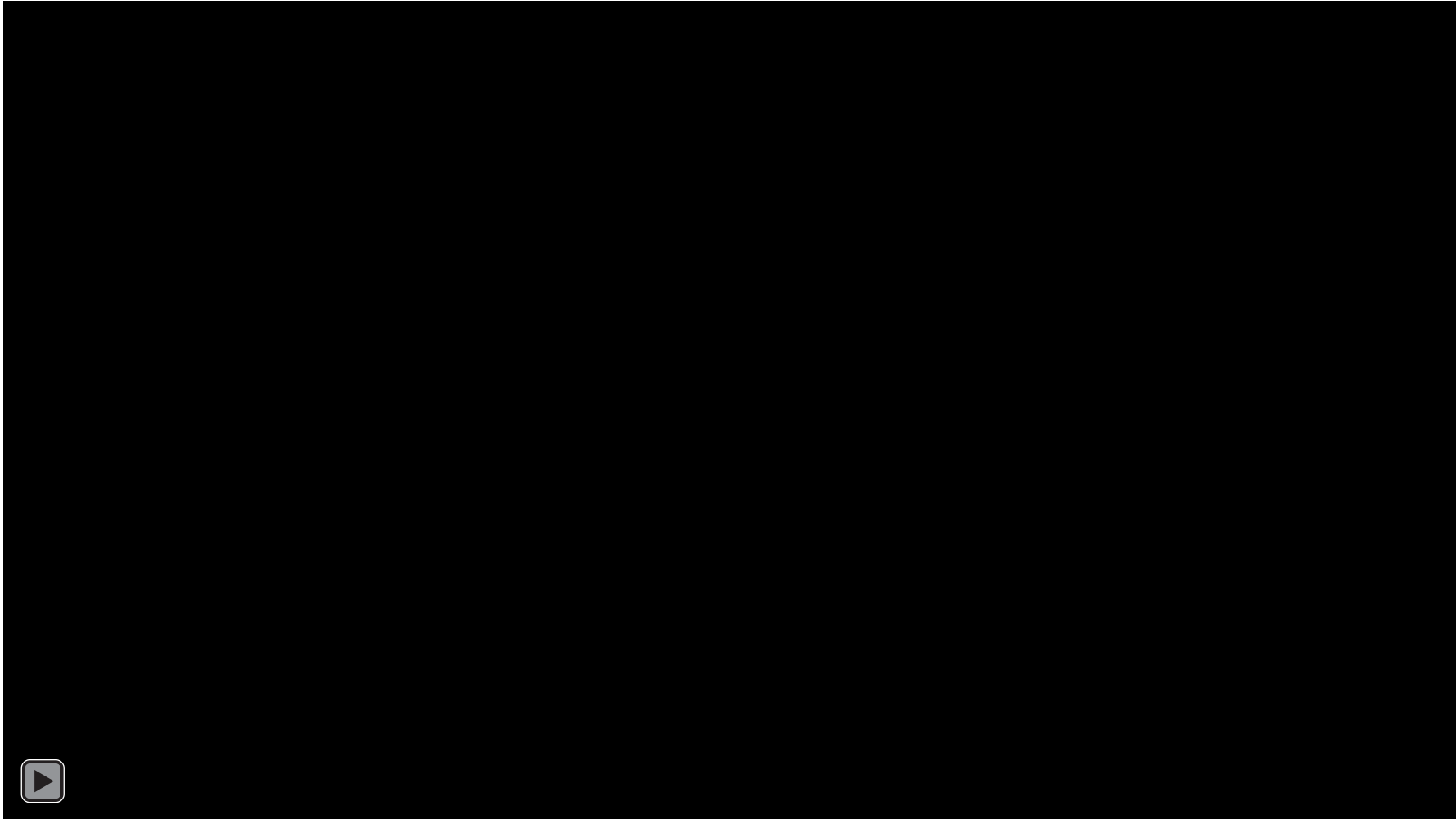
# RP-5: Major Activities



## Dewatering



# Flyover – January 2023





# Questions?

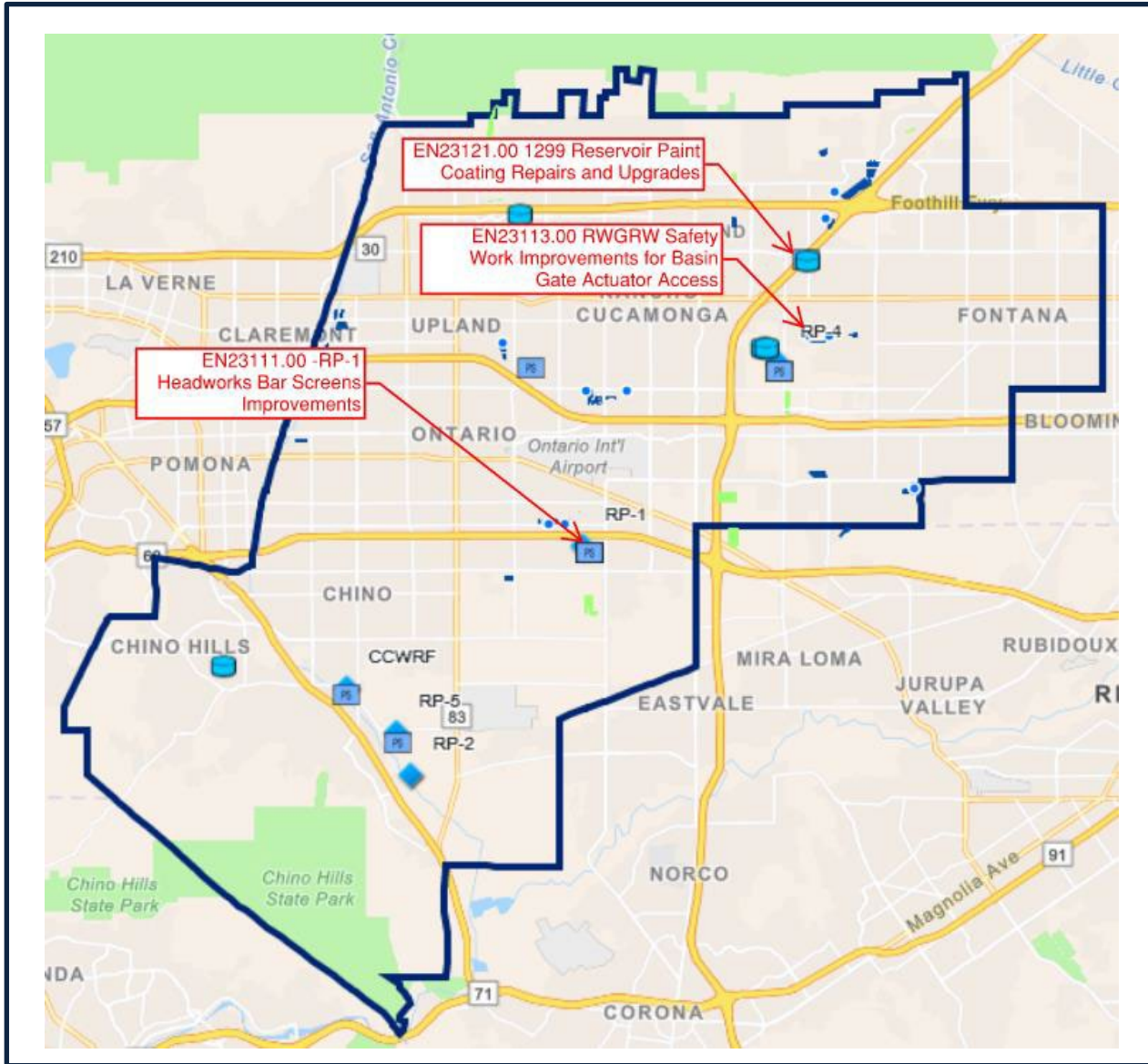
**INFORMATION**  
**ITEM**  
**3D**



# Engineering and Construction Management Project Updates

Jason Marseilles, PE  
Manager of Engineering & Construction Management  
April 2023





## Project Location Map

# RP-1 Headworks Bar Screens Improvements

Project Goal: Improve Efficiency



Existing climber screens

**Total Project Budget: \$3.9M**  
**Project Completion: June 2024**  
**Construction Percent Complete: 5%**

Phase	Consultant/ Contractor	Current Contract	Amendments/ Change Orders
Design	In House	N/A	N/A
Construction	GSE Construction	\$1.6M	0%
Project Management Team			
Senior Engineer:		Spears, James	
Project Manager:		Salazar, Sandra	
Administrative Assistant:		Anser Advisory	
Inspector:		GK & Associates	



# RW/GRW Safety Work Improvements for Basin Gate Actuator Access

Project Goal: Improve Safety

**Total Project Budget: \$1.02M**

**Project Completion: October 2024**

**Design Percent Complete: 5%**

Phase	Consultant/ Contractor	Current Contract	Amendments/ Change Orders
Design (Current)	Stantec	\$121k	0%
Construction	TBD	\$0	0%
Project Management Team			
Project Manager:		Biesiada, Josh	
Assistant/Associate Engineer:		Frabizio, Julianne	
Administrative Assistant:		Anser Advisory	
Inspector:		TBD	



Trip Hazzard

# 1299 Reservoir Paint Coating Repairs and Upgrades

Project Goal: Extend Asset Life



Ponding on roof

**Total Project Budget: \$2M**  
**Project Completion: June 2024**  
**Design Percent Complete: 90%**

Phase	Consultant/ Contractor	Current Contract	Amendments/ Change Orders
Design	Harper & Associates	\$18k	0%
Construction	TBD	\$0	0%
Project Management Team			
Project Manager:		Spears, James	
Assistant/Associate Engineer:		Salazar, Sandra	
Administrative Assistant:		Anser Advisory	
Inspector:		TBD	