



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

**WEDNESDAY, JUNE 8, 2022
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: 813 028 107#**

PURSUANT TO AB361 AND RESOLUTION NO. 2022-5-6, ADOPTED BY THE IEUA BOARD OF DIRECTORS ON MAY 18, 2022, IEUA BOARD AND COMMITTEE MEETINGS WILL CONTINUE TO BE CONDUCTED THROUGH TELECONFERENCE. IN AN EFFORT TO PROTECT PUBLIC HEALTH AND PREVENT THE SPREAD OF COVID-19, THERE WILL BE NO PUBLIC LOCATION AVAILABLE FOR ATTENDING THE MEETING IN PERSON.

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 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.

1. CONSENT ITEMS

A. MINUTES

Approve Minutes of the May 11, 2022 Engineering, Operations, and Water Resources Committee meeting.

B. ADOPTION OF RESOLUTION NO. 2022-6-9, ESTABLISHING PLAN CHECK AND INSPECTION FEES

Staff recommends that the Committee/Board adopt Resolution No. 2022-6-9, establishing the fee for IEUA's services for review of applications, plans and inspections of construction for development connections.

C. CCWRF 12KV BACKUP GENERATOR CONTROL CIRCUIT IMPROVEMENTS CONSTRUCTION CONTRACT AWARD

Staff recommends that the Committee/Board:

1. Award a construction contract for the CCWRF 12kV Backup Generator Control Circuit Improvements, Project No. EN17006.01, to Southern Contracting Co. for the amount of \$1,027,480; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

2. ACTION ITEMS

A. RP-1 SOLIDS THICKENING PROJECT SKID-MOUNTED ROTARY DRUM THICKENER PROCUREMENT

Staff recommends that the Committee/Board:

1. Authorize the procurement of a skid-mounted rotary drum thickener system as a single source according to the proposal dated May 6, 2022, in the amount of \$712,932; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

B. MASTER SERVICES CONTRACT AMENDMENT FOR PROJECT CONTROLS SERVICES

Staff recommends that the Committee/Board:

1. Approve contract amendments for the Project Control Master Services Contracts to CAPO Projects Group and KRD Management Consulting, LLC for an aggregate amount of \$1,750,000, increasing the contract from \$1,250,000 to \$3,000,000 (140% increase) with a four-year term extension through June 2026; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

3. INFORMATION ITEMS

- A. RECYCLED WATER GROUNDWATER RECHARGE UPDATE (POWERPOINT)**
- B. SARS-COV-2 WASTEWATER SAMPLING (POWERPOINT)**
- C. REGIONAL WATER USE EFFICIENCY BUSINESS PLAN UPDATE (WRITTEN/POWERPOINT)**

RECEIVE AND FILE INFORMATION ITEMS

- D. ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE (WRITTEN)**

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 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, 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, MAY 11, 2022
10:00 A.M.**

COMMITTEE MEMBER PRESENT via Video/Teleconference

Marco Tule, Chair
Michael Camacho, Director

STAFF PRESENT

Shivaji Deshmukh, P.E., General Manager
Christiana Daisy, P.E., Deputy General Manager
Tony Arellano, Safety Officer
Kevin Asprer, Associate Engineer
Jerry Burke, Director of Engineering & Construction Management
Lucia Diaz, Manager of Facilities & Water System Programs
Lisa Dye, Director of Human Resources
Denise Garzaro, Board Secretary/Office Manager
Elizabeth Hurst, Chino Basin Program Manager
Randy Lee, Director of Operations & Maintenance
Scott Lening, Manager of Operations
Jason Marseilles, Manager of Engineering
Liza Munoz, Senior Engineer
Daniel Solorzano, Network Administrator
Steven Smith, Senior Associate Engineer
Travis Sprague, Principal Engineer
Wilson To, Technology Specialist II
Brian Wilson, P.E., CCM, Senior Engineer
Jamal Zughbi, P.E., Senior Engineer

STAFF PRESENT via Video/Teleconference

Javier Chagoyen-Lazaro, Acting Assistant General Manager
Joshua Aguilar, Senior Engineer
Pietro Cambiaso, Acting Director of Planning & Resources
Robert Delgado, Manager of Maintenance
Warren Green, Manager of Contracts & Procurement
Don Hamlett, Director of Information Technology
Jennifer Hy-Luk, Administrative Assistant II
Nolan King, Network Administrator
Bonnie Marseilles, Administrative Assistant II
Sushmitha Reddy, Manager of Laboratories
Jeanina Romero, Executive Assistant
Teresa Velarde, Manager of Internal Audit

CALL TO ORDER

Committee Chair Marco Tule called the meeting to order at 10:01 a.m. He gave the public the opportunity to comment and provided instructions for unmuting the conference line. There were no public comments received or additions to the agenda.

1A – 1C. CONSENT ITEMS

The Committee:

- ◆ Approved Minutes of the April 13, 2022 Engineering, Operations, and Water Resources Committee meeting.
- ◆ Recommended that the Board:
 1. Approve a two-year contract, with three one-year renewal options, with Polydyne, Inc. for the supply of anti-struvite chemical (Flosperse 30S), for potential total contract term of five years; and
 2. Authorize the General Manager to execute the contract;
- ◆ and
 1. Award a construction contract for the RP-1 and RP-4 Generator Retrofits, Project No. EN20034, to Big Sky Electric, Inc., in the amount of \$175,000; and
 2. Authorize the General Manager to execute the service contract, subject to non-substantive changes;

as Consent Calendar items on the May 18, 2022 Board meeting agenda.

2A – 2B. ACTION ITEMS

The Committee:

- ◆ Recommended that the Board:
 1. Approve the award of Contract No. 460003133 to Jeremy Harris Construction, Inc. for the RP-3 Basins Infiltration Restoration Services for a not-to-exceed amount of \$166,733.00; and
 2. Authorize the General Manager to execute the contract, subject to non-substantive changes;
- ◆ and
 1. Approve the IEUA – Metropolitan Water District of Southern California Term Sheet for the CBP WSIP environmental water exchange; and
 2. Authorize the General Manager to negotiate terms and conditions consistent with the water exchange agreement terms for the development of a final agreement;

as Consent Calendar items on the May 18, 2022 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: May 2022
- ◆ Engineering and Construction Management Project Updates

4. GENERAL MANAGER'S COMMENTS

General Manager Shivaji Deshmukh stated that Metropolitan Water District of Southern California recently adopted an Emergency Water Conservation Program framework with two pathways to allocate water to its State Water Project (SWP)-dependent Member Agencies. The Agency is working closely with its customer agencies to allocate the water in their service areas to best ensure equity and that critical needs are met. He reiterated that these are unprecedented times, and we'll all need to work together to navigate this drought. As a SWP-dependent agency, it's important that we do our best to continue reducing our imported water usage to preserve these scarce supplies for this year, and so that there's water to allocate next year if conditions persist. Unfortunately, there is no one-size-fits-all in these situations, but together we can find the best solutions for our regional and local conditions. At next week's Board meeting, staff will be recommending declaring a Water Shortage Emergency Condition, implementing the Agency's Water Shortage Contingency Plan at Level 3, and adopting an Emergency Water Conservation Program framework with the goal of achieving real water savings.

5. COMMITTEE MEMBER COMMENTS

Director Tule thanked General Manager Deshmukh for taking the lead and bringing awareness of the challenges the Agency faces in the region and state. He expressed his appreciation to the Agency staff for spreading awareness and advocating for issues the region is facing. He thanked staff for providing a tour of the RP-5 Expansion Project for Monte Vista Water District staff and Board President Sandra Rose on April 28.

Director Camacho thanked staff for the presentations.

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 10:17 a.m.

Respectfully submitted,

Denise Garzaro
Board Secretary/Office Manager

*A Municipal Water District

APPROVED: JUNE 8, 2022

**CONSENT
ITEM
1B**

Date: June 15, 2022

To: The Honorable Board of Directors

ADD
From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Finance & Administration

06/08/22

Executive Contact: Christiana Daisy, Deputy General Manager

Subject: Adoption of Resolution No. 2022-6-9, Establishing Plan Check and Inspection Fees

Executive Summary:

Staff currently receives plans for proposed developments that will connect to Inland Empire Utilities Agency (IEUA) facilities. The plans are reviewed for conformance to IEUA standards. After final acceptance of the plans, an IEUA inspection is provided during the connection to IEUA facilities.

In August 2018, the Board implemented a plan check and inspection fee of \$2,214 to recover the costs for staff to perform plan reviews and inspections. The current fee amount was established based on the average number of hours spent on previous development projects from 2013 to 2018. Based on the current rates, staff recommends the fee be increased to an estimated value of \$3,715 per connection and per location. The estimate considered the average number of hours spent by the office engineer to review up to five sheets, the average hours needed by the construction inspector to oversee the connection in the field, and the administrative costs based on the FY 2022/23 staff burden rates.

The resolution will also establish prorating plan checks above five sheets and require an additional \$2,500 for plan checks that require more than three reviews.

Staff's Recommendation:

1. Adopt Resolution No. 2022-6-9, establishing the fee for IEUA's services for review of applications, plans, and inspections of construction for development connections.

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

Account/Project Name:

None.

Fiscal Impact (explain if not budgeted):

The fees collected will reimburse the staff time charged to various funds.

Prior Board Action:

On August 15, 2018, the Board of Directors adopted Resolution No. 2018-8-1, establishing a fee covering IEUA's services for review of applications, plans, and inspections of construction for development

Environmental Determination:

Not Applicable

Business Goal:

Resolution No. 2022-6-9 is consistent with the IEUA's Business Goals of Business Practices and Fiscal Responsibility where IEUA will be ethical, cost-effective, and apply environmentally sustainable regional planning principles in all aspects of business and public service, and will fund operations and capital investments by maintaining reasonable service rates and fees that fully support the costs of service.

Attachments:

Attachment 1 - Comparable Fees Calculations

Attachment 2 - PowerPoint

Attachment 3 - Resolution No. 2022-6-9

Attachment 1

Background

Subject: Adoption of Resolution No. 2022-6-9, Establishing Plan Check and Inspection Fees

Below is the comparison of the plan check and inspection fees for Inland Empire Utilities Agency (IEUA) and member agencies.

#	Agency/City	Inspection	Plan Check	Total	Notes
1	City of Rancho Cucamonga	\$1,852	\$3,159	\$5,011	<p>Inspection: Hourly inspection need at the rate of \$110.23 per hour + 7% Technology Fee. On Avg our Inspector does 15.70 hours per inspection $(\\$110.23 * 15.70) 7\% \text{ Tech Fee} = \\$1,851.75$</p> <p>Plan Check: Flat Fee \$3,159</p>
2	City of Chino	\$1,799	\$3,146	\$4,945	<p>Inspection: Minimum Fee \$599, + 4.8% of the Estimated Value of Construction. (IEUA average construction cost is \$25k * 4.8% = \$1,200)</p> <p>Plan Check: Minimum Fee of \$1,991, Plus 7.7% of the Amount Greater than \$10,000; used \$15k IEUA average construction costs is \$25k * 7.7% = \$1,155)</p>
3	City of Ontario	\$1,657	\$2,871	\$4,528	<p>Inspection: Base fee \$164 + 5.97% for construction cost between \$1-\$50k (IEUA average construction costs is \$25k * 5.97 = \$1,492.50)</p> <p>Plan Check: Base fee \$1,371 + 6% for construction costs between \$1-\$50k (IEUA average construction cost is \$25k * 6% = \$1,500)</p>
4	IEUA	\$1,917	\$1,795	\$3,715	<p>Inspection: See slide 3 for breakdown of costs Includes administrative fee.</p> <p>Plan Check: See slide 3 for breakdown of costs Includes administrative fee. Includes Plan Check and Inspection up to 5 sheets;</p>
5	CVWD	\$500	\$690	\$1,190	<p>Inspection: \$500 or 2% of improvement cost*; IEUA avg improvement costs \$25k</p> <p>Plan Check: \$240 for title sheet and first plan sheet, \$150 for each additional sheet</p>

Attachment 2



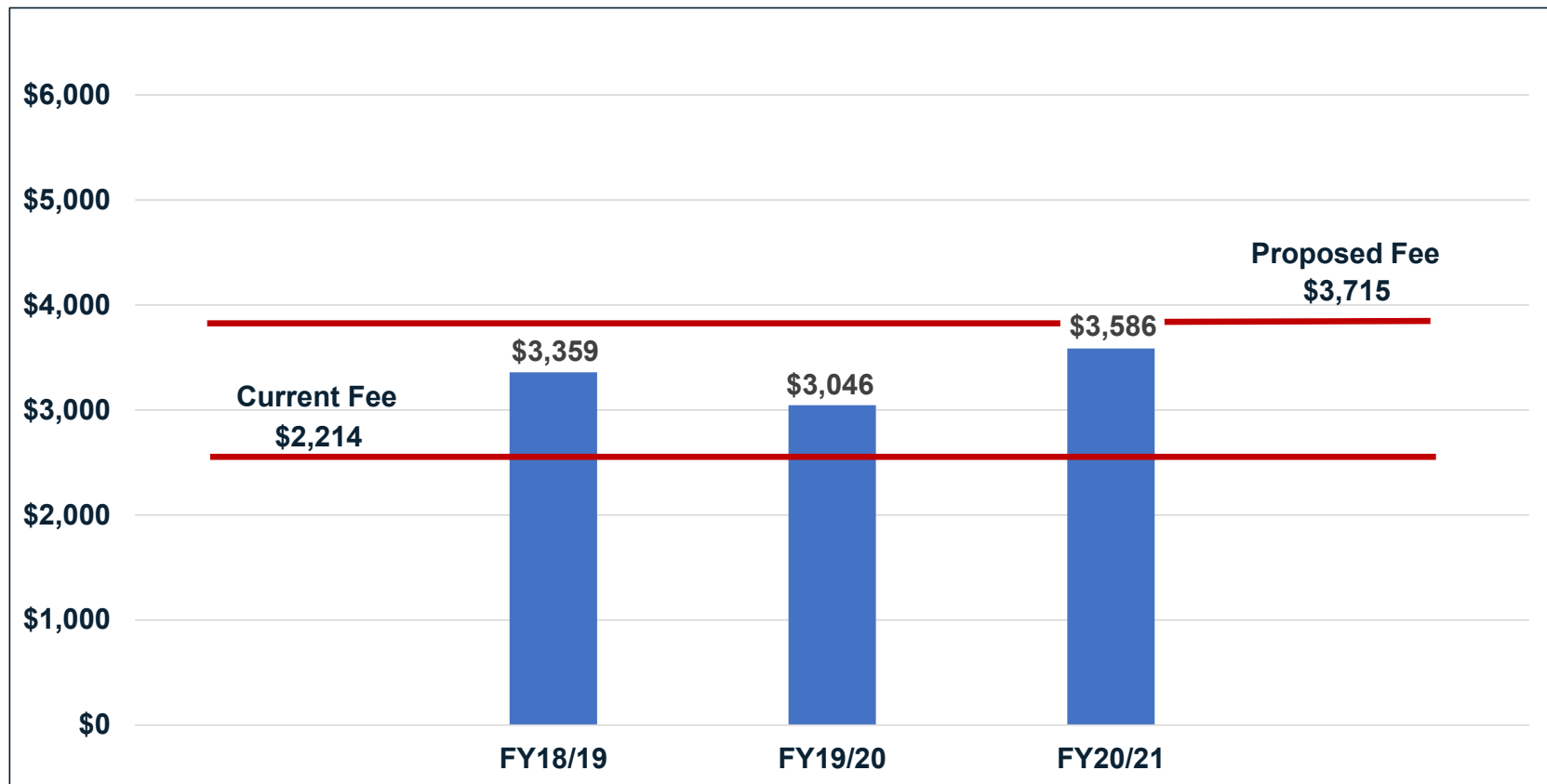
Adoption of Resolution No. 2022-6-9, Establishing Plan Check and Inspection Fees

Adham Almasri, P.E., PMP

Principal Engineer, Engineering & CM

June 2022

Plan Check/Inspection Cost Trend



Proposed Fee Breakdown for Five Sheets

FY22/23 Plan Check and Inspection Costs					
	# of projects	Hours	Avg Hours Per Project	Fully Burdened Rate (FY22/23)	Avg \$ per project
Inspector	10	157	15.70	\$111	\$1,743
Senior Engineer	19	200	10.53	\$155	\$1,632
Plan Check and Inspection Costs					\$3,375
Administrative and Accounting Staff Costs @ 10%					\$340
Total Costs					\$3,715

- For plan checks above 5 sheets, prorate the costs accordingly.
- If the Plan Check requires more than 3 reviews, the plan check will require additional fees of \$2,500.

Comparison of Fees

#	Agency/City	Inspection	Plan Check	Total
1	City of Rancho Cucamonga	\$1,852	\$3,159	\$5,011
2	City of Chino	\$1,799	\$3,146	\$4,945
3	City of Ontario	\$1,657	\$2,871	\$4,528
4	IEUA	\$1,917	\$1,795	\$3,715
5	CVWD	\$500	\$690	\$1,190

Recommendation

- Adopt Resolution No. 2022-6-9, establishing the fee for IEUA's services for review of applications, plans, and inspections of construction for development connections.

Adopting Resolution No. 2022-6-9 is consistent with **IEUA's Business Goal of Business Practices and Fiscal Responsibility** where IEUA will fund operations and capital investments by maintaining reasonable service rates and fees that fully support the costs of service.

Attachment 3

RESOLUTION NO. 2022-6-9

RESOLUTION OF THE BOARD OF DIRECTORS OF THE INLAND EMPIRE UTILITIES AGENCY, A MUNICIPAL WATER DISTRICT, IN SAN BERNARDINO COUNTY, CALIFORNIA, ESTABLISHING THE FEE COVERING IEUA'S SERVICES FOR REVIEW OF APPLICATIONS, PLANS, AND INSPECTIONS OF CONSTRUCTION FOR DEVELOPMENT

WHEREAS, Inland Empire Utilities Agency, a Municipal Water District ("Agency ") is a municipal water district established pursuant to Section 71000 et seq. of the California Water Code; and

WHEREAS, the Inland Empire Utilities Agency Board of Directors ("Board of Directors") has determined that it is necessary to establish a fee covering staff costs for processing applications, reviewing plans, and conducting inspections of development projects brought before the Agency; and

WHEREAS, the Board of Directors may impose these fees and charges as they are exempt from the voter approval requirements of articles XIII C and XIII D of the California Constitution; and

WHEREAS, staff has evaluated and researched the costs to the Agency associated with providing these services to potential development.

NOW, THEREFORE, the Board of Directors hereby resolves that:

SECTION 1. ADOPTION OF FEE SCHEDULE

The fees, charges and requirements set forth in the Inland Empire Utilities Agency fee schedule attached hereto as Exhibit A, and incorporated herein by reference, are hereby approved and adopted as the Agency's fee schedule to be imposed as set forth therein.

SECTION 2. AUTHORIZATION

The Board of Directors hereby finds and determines that the existing, new, or increased fees in this Resolution are in an amount reasonably necessary to recover the costs of providing the service, review, document, facility, or commodity for which such fee is levied or authorized to be levied.

SECTION 3. EFFECTIVE DATE.

The fees set forth in this Resolution shall become effective on July 1, 2022.

SECTION 4. REFUNDS

No refunds will be issued for fees paid to the Agency in accordance with this Resolution.

SECTION 5.

That upon the effective date of this Resolution, Resolution No. 2018-8-1 is hereby rescinded in its entirety.

ADOPTED this 15th day of June 2022

Steven J. Elie
President of the Inland Empire Utilities Agency* and of the Board
of Directors thereof

ATTEST:

Marco Tule
Secretary/ Treasurer of the Inland Empire
Utilities Agency* and of the Board of
Directors thereof

(SEAL)

*A Municipal Water District

STATE OF CALIFORNIA)
COUNTY OF) SS
SAN BERNARDINO)

I, Marco Tule, Secretary/Treasurer of the Inland Empire Utilities Agency*, DO
HEREBY CERTIFY that the foregoing Resolution being No. 2022-6-9, was adopted at a regular
Board Meeting on June 15, 2022, of said Agency by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Marco Tule
Secretary/Treasurer of the Inland Empire
Utilities Agency* and of the Board of
Directors thereof

EXHIBIT A

INLAND EMPIRE UTILITIES AGENCY FEE SCHEDULE

Engineering Department

Application Processing, Plan Check, Inspection of Construction - Up to Five Plan Sheets	\$3,715*
Application Processing, Plan Check, Inspection of Construction - Greater than Five Plan Sheets	Prorated

*This is a one-time fee for services to review a development project with a single connection to a single IEUA facility. An additional fee of \$2,500 will be assessed for plan checks that require more than three (3) reviews.

**CONSENT
ITEM
1C**

Date: June 15, 2022

To: The Honorable Board of Directors

From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Staff Contact: Christiana Daisy, Deputy General Manager

Subject: CCWRF 12kV Backup Generator Control Circuit Improvements Construction Contract Award

Executive Summary:

The project was developed in response to a critical concern from Inland Empire Utilities Agency (IEUA's) Operations & Maintenance (O&M) staff about the electrical reliability at the Carbon Canyon Water Recycling Facility (CCWRF). In November 2020, the testing of the facility's automatic transfer from the Southern California Edison (SCE) power to the backup generators failed. While repairs were implemented to correct the failure, assessment revealed that the reliability of the transfer system is very poor due to obsolescence. Being roughly thirty years old, the system has no available service support or access to critical replacement parts. This project will replace the old relay control logic to ensure the plant's critical treatment process is not interrupted during a power loss from SCE. On April 26, 2021, Stantec was hired to design a modern programmable logic controller (PLC)-based system.

On March 2, 2022, IEUA issued an invitation for bids to the under \$2,000,000 prequalified contractors. On April 19, 2022, IEUA received one construction bid from Southern Contracting Co. in the amount of \$1,027,480. The engineer's estimate is \$513,000. The higher bid price was found to be reasonable because it accounted for more recent price increases in labor, material, supplies, and fuel; and the bidder's extended equipment rentals to complete the project as specified.

Staff's Recommendation:

1. Award a construction contract for the CCWRF 12kV Backup Generator Control Circuit Improvements, Project No. EN17006.01, to Southern Contracting Co. for the amount of \$1,027,480; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

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

Account/Project Name:

EN17006/CCWRF 12kV Backup Generator Control Circuit Improvement

Fiscal Impact (explain if not budgeted):

None.

Prior Board Action:

None.

Environmental Determination:

Addendum to

The Facilities Master Plan Program Environmental Impact Report (SCH No. 2016061064) as the appropriate CEQA environmental determination for the project improvements under the CCWRF Facility Asset Management and Improvement Projects, EN17006 and EN17006.01.

Business Goal:

The CCWRF Asset Management and Improvement Project is consistent with the Agency's Business Goal of Wastewater Management, specifically the Water Quality objective that IEUA will ensure that Agency systems' are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

Attachments:

Attachment 1 - PowerPoint Presentation

Attachment 2 - Construction Contract

Attachment 1



Carbon Canyon Water Recycling Facility (CCWRF) 12kV Backup Generator Control Circuit Improvements Construction Contract Award

Ryan Ward, EIT
Associate Engineer
June 2022

Project Location



Carbon Canyon Water Recycling Facility
Electrical Room



Project Scope

- 30-year-old power distribution system past useful life
- Replace controller and upgrade control logic



Contractor Selection

Only one bid was received on April 19, 2022, from a pre-qualified contractor:

Bidder's Name	Final Bid Amount
Southern Contracting Co.	\$1,027,480
Engineer's Estimate	\$513,000

Project Budget and Schedule

Description	Estimated Cost
Design Services	\$150,860
Design Contract (actuals)	\$115,860
IEUA Design Services (actuals)	\$35,000
Construction Services	\$175,526
Engineering Services During Construction	\$125,526
IEUA Construction Management/Inspection	\$50,000
Construction	\$1,130,228
Construction Contract (this action)	\$1,027,480
Contingency (10%)	\$102,748
Total Project Cost (this Project):	\$1,456,614
Total Projected Cost (Parent Project):	\$29,138,520
Total Projected Cost (All):	\$30,595,134
Total Project Budget	\$26,803,299

Contract Milestone	Date
Construction Award	June 2022
Construction Completion	February 2023

Recommendation

- Award a construction contract for the Carbon Canyon Water Recycling Facility (CCWRF) 12kV Backup Generator Control Circuit Improvements project, to Southern Contracting Co. in the amount of \$1,027,480; and
- Authorize the General Manager to execute the contract, subject to non-substantive changes.

The Carbon Canyon Water Recycling Facility (CCWRF) 12kV Backup Generator Control Circuit Improvements Project is consistent with **IEUA's Business Goal of Wastewater Management**, specifically the Asset Management objective that IEUA will ensure the Wastewater treatment plants 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.

Attachment 2

4600003147

Carbon Canyon Water Recycling Facility (CCWRF) 12kV Backup Generator Control Circuit
Improvements Project, EN17006.01

CONTRACT

THIS CONTRACT, made and entered into this 15th day of June, 2022, by and between Southern Contracting 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 "Agency".

WITNESSETH:

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

1. Contractor agrees to perform and complete in a workmanlike manner, all work required under the bidding schedule of said Agency's specifications entitled CARBON CANYON WATER RECYCLING FACILITY (CCWRF) 12KV BACKUP GENERATOR CONTROL CIRCUIT IMPROVEMENTS PROJECT, EN17006.01, in accordance with the specifications and drawings, 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 specifications to be furnished by said Agency, and to do everything required by this Contract and the said specifications and drawings.
2. 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 specifications and drawings; 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 said Agency, 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 specifications are expressly stipulated to be borne by said Agency; and for completing the work in accordance with the requirements of said specifications and drawings, said Agency will pay and said Contractor shall receive, in full compensation therefore, the price(s) set forth in this Contract.
3. That the Agency 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 the Bidding and Contract Requirements, Section C - Bid Forms and accepted by the Agency and set forth in this below.

Total Bid Price

\$1,027,480.00 dollars (One Million Twenty-Seven Thousand Four Hundred Eighty Dollars and Zero Cents)

If this is not a lump sum bid and the contract price is dependent upon the quantities constructed, the Agency will pay and said Contractor shall receive, in full compensation for the work the prices named in the Bidding and Contract Requirements, Section C - Bid Forms.

4. The Agency 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 specifications; 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.
5. The Notice Inviting Bids, Instructions to Bidders, Bid Forms, Information Required of Bidder, Performance Bond, Payment Bond, Contractors License Declaration, Specifications, Drawings, all General Conditions and all Special Conditions, and all addenda issued by the Agency 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.
6. 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 the Agency two hundred forty (240) calendar days after award of the Contract. All work shall be completed before final payment is made.
7. Time is of the essence on this Contract.
8. Contractor agrees that in case the work is not completed before or upon the expiration of the contract time, damage will be sustained by the Agency, and that it is and will be impracticable to determine the actual damage which the Agency will sustain in the event and by reason of such delay, and it is therefore agreed that the Contractor shall pay to the Agency the amount of five hundred (\$500) dollars for each day of delay, which shall be the period between the expiration of the contract time and the date of final acceptance by the Agency, 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 the Agency, and the Contractor agrees to pay such liquidated damages as herein provided. In case the liquidated damages are not paid, the Contractor agrees that the Agency 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.

In addition to the liquidated damages, which may be imposed if the Contractor fails to complete the work within the time agreed upon, the Agency may also deduct from any sums due or to become due the Contractor, liquidated damages in accordance with the Bidding and Contract Requirements, Section B - Instruction to Bidders, Part 5.0 "Liquidated Damages", for any violation of the General Conditions, Section D - Contractor's Responsibilities, Part 8, "Law and Regulations"; Bidding and Contract Requirements Contract Section D -Contract and Relevant Documents, Part 1.0, Paragraphs 9 through 11; General Conditions , Section D

– Contractor's Responsibilities, Part 4.0, "Labor, Materials and Equipment"; General Conditions Section D – Contractor's Responsibilities, Part 12.0, "Safety and Protection" or General Conditions Section H – Legal Responsibilities, Part 8.0, "Disturbance of the Peace".

9. That the Contractor will pay, and will require subcontractors to pay, employees on the work a salary or wage at least equal to the prevailing salary or wage established for such work as set forth in the wage determinations and wage standards applicable to this work, contained in or referenced in the contract documents.
10. That, in accordance with Section 1775 of the California Labor Code, Contractor shall forfeit to the Agency, as a penalty, not more than Fifty (\$50.00) Dollars for each day, or portion thereof, for each worker paid, either by the Contractor or any subcontractor, less than the prevailing rates as determined by the Director of the California Department of Industrial Relations for the work.
11. That, except as provided in Section 1815 of the California Labor Code, in the performance of the work not more than eight (8) hours shall constitute a day's work, and not more than forty (40) hours shall constitute a week's work; that the Contractor shall not require more than eight (8) hours of labor in a day nor more than forty hours of labor in a week from any person employed by the Contractor or any subcontractor; that the Contractor shall conform to Division 2, Part 7, Chapter 1, Article 3 (Section 1810, et seq.) of the California Labor Code; and that the Contractor shall forfeit to the Agency, as a penalty, the sum of Twenty-Five (\$25.00) Dollars for each worker employed in the execution of the work by Contractor or any subcontractor for each day during which any worker is required or permitted to labor more than eight (8) hours in violation of said Article 3.
12. That the Contractor shall carry Workers' Compensation Insurance and require all subcontractors to carry Workers' Compensation Insurance as required by the California Labor Code.
13. That the Contractor shall have furnished, prior to execution of the Contract, two bonds approved by the Agency, 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.
14. The Contractor hereby agrees to protect, defend, indemnify and hold the Agency 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 the Agency 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.

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.

CONTRACT

CCWRF 12KV BACKUP GENERATOR CONTROL CIRCUIT
IMPROVEMENTS PROJECT, EN17006.01

Page 3 of 4

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.

Inland Empire Utilities Agency*
San Bernardino County, California.

Contractor

By_____

Shivaji Deshmukh, P.E.
General Manager

By_____

Philip E. Waterman
President

*A Municipal Water District

ACTION
ITEM
2A

Date: June 15, 2022

To: The Honorable Board of Directors

SD
From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Executive Contact: Christiana Daisy, Deputy General Manager

Subject: RP-1 Solids Thickening Project Skid-Mounted Rotary Drum Thickener Procurement

Executive Summary:

The Regional Water Recycling Plant No.1 (RP-1) Solids Thickening Project will improve the processes upstream of the digesters and construct additional capacity to permit future improvements that would increase the overall treatment capacity. The construction activities will require existing facilities to be demolished or renovated, reducing the ability to thicken the sludge prior to digestion. Additionally, some of the current facilities (gravity thickeners) are undersized and under performing. The purpose of this procurement is to provide supplemental solids thickening capacity during the planned construction to improve operational and maintenance consistency, reliability, and flexibility.

Inland Empire Utilities Agency (IEUA), through its design consultant, negotiated the purchase of a portable, skid-mounted Rotary Drum Thickener (RDT) system to augment the thickening process at RP-1 during construction. This unit is modular, portable, and will be utilized at other facilities after construction. On May 6, 2022, IEUA received the final proposal for \$765,952 (incl. sales tax to be paid directly to the State of California). Staff is recommending the single-source purchase of the equipment from FKC Co., LLC based on Public Contract Code §3400(c)(2), which allows for the single source purchase based on a prior competitive selection, consistency with RP-5, and benefits to operations and maintenance activities.

Staff's Recommendation:

1. Authorize the procurement of a skid-mounted rotary drum thickener system as a single source according to the proposal dated May 6, 2022, in the amount of \$712,932; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

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):

None.

Prior Board Action:

None.

Environmental Determination:

Program Environmental Impact Report (Finding of Consistency)

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.

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.

Attachments:

Attachment 1 - PowerPoint Presentation

Attachment 2 - Single-Source Purchase Justification Memorandum and FKC proposal (Click to Download) <https://www.dropbox.com/s/wsu79mythz7kf23/22135%20RP-1%20Solids%20Thickening%20Project%20Single%20Source%20Memorandum%20Attachment%202%20FINAL.pdf?dl=0>

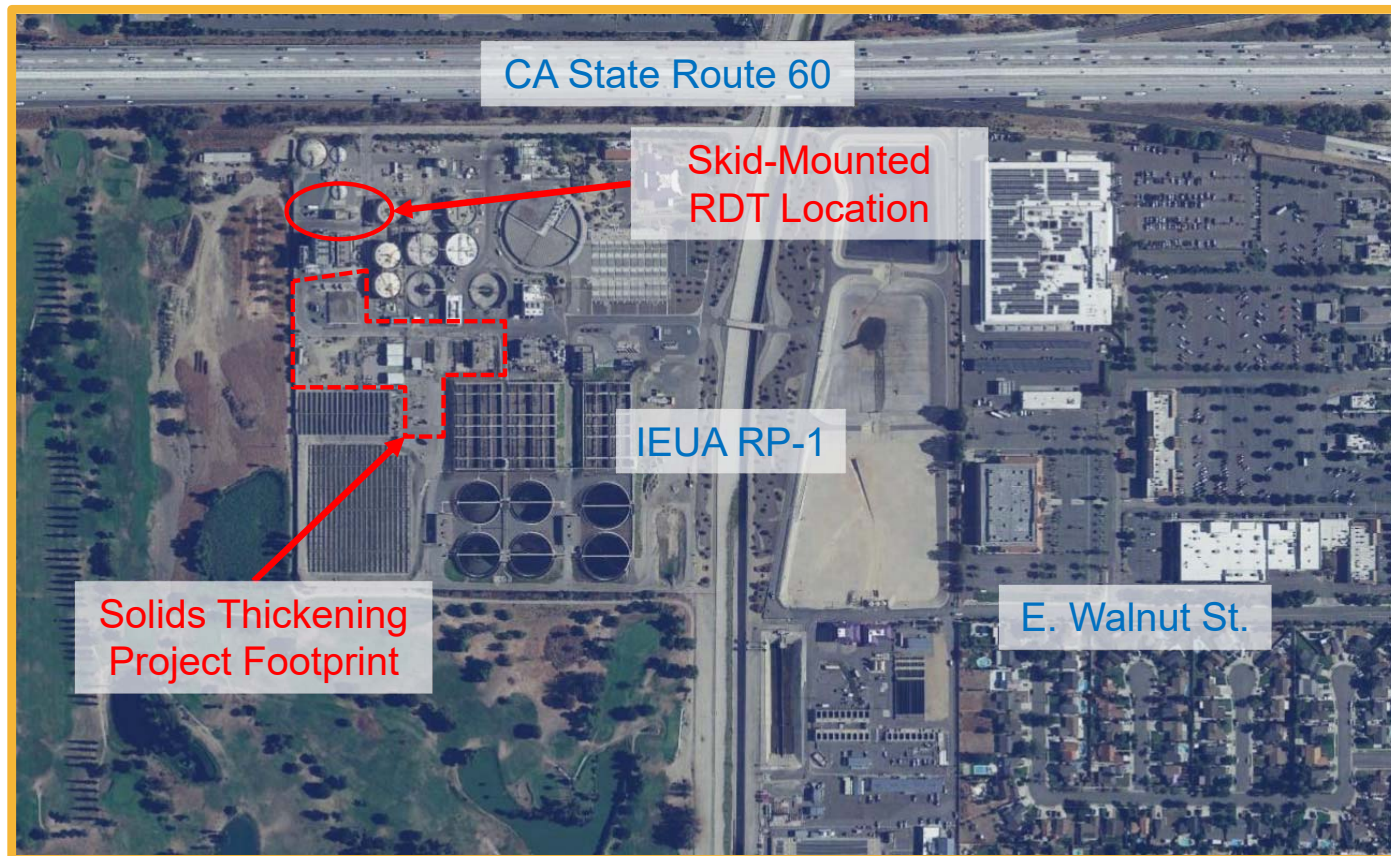
Attachment 1



RP-1 Solids Thickening Project Skid-Mounted Rotary Drum Thickener Single Source Procurement Project No. EN22044

Travis Sprague, P.E.
Principal Engineer
June 15, 2022

Project Location (City of Ontario)



Purpose / Product



- Thickens sludge from $< 2\%$ to approximately 6%
- Reduces heat and energy requirements to treat
- Reduces required digester volume to achieve desired treatment
- Augment existing processes during RP-1 construction
- Available for other facilities following construction

Background

- FKC Rotary Drum Thickeners (RDTs) were selected for use at RP-5
- The same RDT systems are proposed for use at RP-1
- Existing thickening facilities out of service during construction
- Existing gravity thickeners are near the end of their useful life



Project Budget

Description	Estimated Cost
Design Services	\$9,262,556
Design + Review Services	\$7,846,604
IEUA Design Support Services	\$650,000
Skid-Mounted RDT Trailer	\$765,952
Construction Services	\$10,000,000
Engineering Services During Construction (5%)	\$5,000,000
IEUA Construction Support Services (5%)	\$5,000,000
Construction	\$110,000,000
Construction Contract Estimate	\$100,000,000
Contingency, 10%	\$10,000,000
Total Project Cost:	\$129,262,556
Total Project Budget*:	\$133,080,000

*Total project budget in proposed TYCIP beginning FY22/23

Project Milestone	Date
Design Contract	
Procure Skid-Mounted RDT	Feb. 2023
Final Design	Mar. 2023
Bid + Award	Jul. 2023
Construction Contract	
Notice to Proceed	Oct. 2023
Close-out	Aug. 2026

Recommendation

- Authorize the procurement of a skid-mounted rotary drum thickener system manufactured by FKC Co., LLC, as a single source in the amount of \$712,932; and
- Authorize the General Manager to execute the contract, 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: June 15, 2022

To: The Honorable Board of Directors

ADD
From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Staff Contact: Christiana Daisy, Deputy General Manager

Subject: Master Services Contract Amendment for Project Controls Services

Executive Summary:

The expanded project control services program is extremely important to a successful execution of the adopted Ten-Year Capital Improvement Plan (TYCIP) and awarded Inland Empire Utilities Agency (IEUA) construction projects. The use of a scheduler to develop project baseline schedules, monthly updates to the schedules based on the input from IEUA Project Managers, as well as cost estimates and constructability reviews, provides the Senior Leadership Team and Engineering Department Managers with information necessary to assure consistency in reporting, transparency of current project controls assignments, evaluate future assignments, department structure, and other project controls issues that may arise.

In May 2019, IEUA entered into a three-year master service contract with KRD Management Consulting, LLC and CAPO Projects Group for a not-to-exceed amount of \$1,250,000 with option to extend an additional four years if needed. Based on the past three year's expenditures, staff is requesting a four-year contract extension through June 2026 for an additional not-to-exceed amount of \$1,750,000. The requested amount is the average of the current yearly expenditures with an additional 20% to account for rate increases. This will increase the contract from \$1,250,000 to \$3,000,000 (140% increase).

Staff's Recommendation:

1. Approve contract amendments for the Project Control Master Services Contracts to CAPO Projects Group and KRD Management Consulting, LLC for an aggregate amount of \$1,750,000, increasing the contract from \$1,250,000 to \$3,000,000 (140% increase) with a four-year term extension through June 2026; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

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

Account/Project Name:

Multiple capital projects and department O&M budget under various program funds.

Fiscal Impact (explain if not budgeted):

There is no direct impact on IEUA's fiscal year budget as a result of this action. These contracts are for work which will be required on various projects and department operation and maintenance budgets. Thus, no separate funding is needed for these contracts.

Prior Board Action:

On May 15, 2019, the Board of Directors awarded Project Controls Master Service Contracts to CAPO Projects Group and KRD Management Consulting, LLC for an aggregate not-to-exceed amount of \$1,250,000.

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. When the project will be implemented will be subject to future environmental evaluation.

Business Goal:

The Project Controls Master Service Contract is consistent with the IEUA's Business Goal of Fiscal Responsibility, specifically IEUA is committed to safeguarding the Agency's fiscal health to effectively support short term and long-term needs, while providing the best value for our customers.

Attachments:

Attachment 1 - PowerPoint

Attachment 2 - Master Service Contract Amendment - CAPO Projects Group

Attachment 3 - Master Service Contract Amendment - KRD Management

Attachment 1

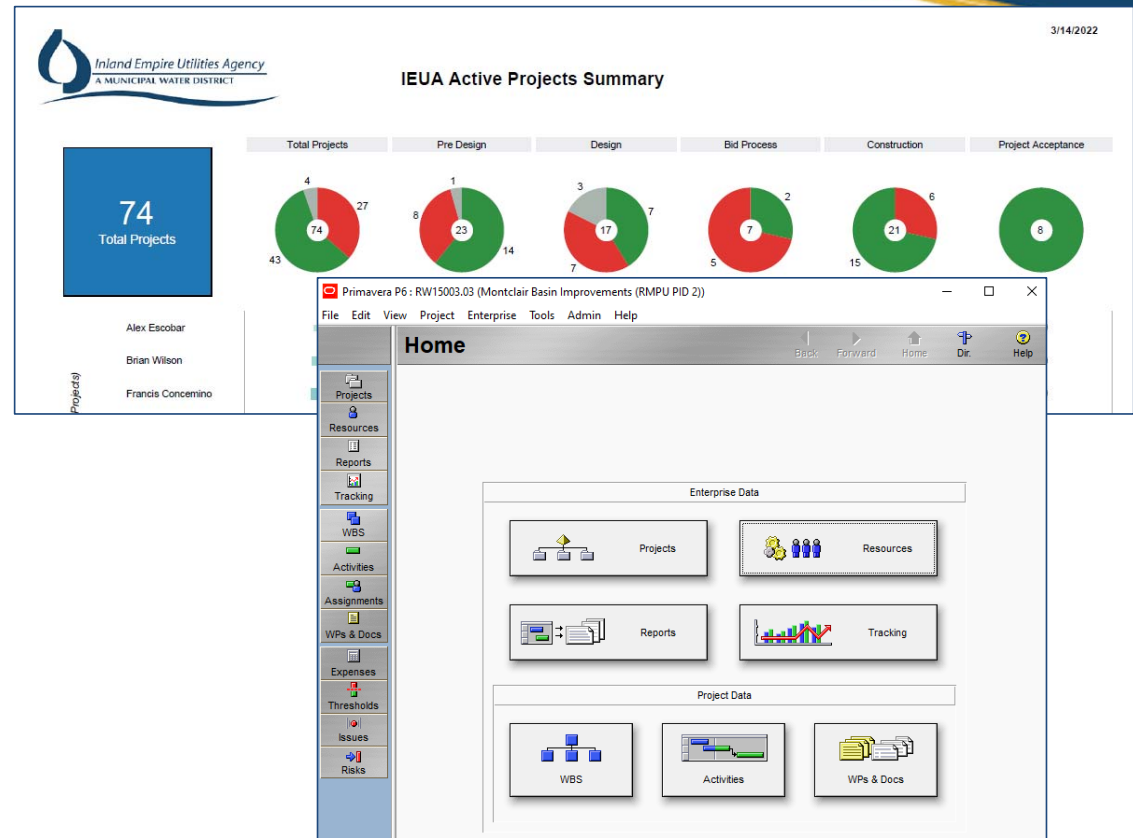


Project Controls Master Services Contract Amendment

Stacey Scott, MBA
Engineering Services Analyst
June 2022

Scope of Services

- Project Scheduling
 - Baseline Creation
 - Schedule Updates
 - Resource Allocation
 - Contractor Schedule Review
- Dashboards and Reporting
 - Project Health
 - Project Phase
 - Level of Staffing
- Technical reviews
- Construction Estimating
- Constructability Reviews



Contract Amendment

- Current Contract Expires June 2022; optional four-year term extensions
- Based on the prior year usage, Staff is requesting the optional extension through June 2026 and an additional not-to-exceed amount of \$1,750,000*.
- This will increase the contract from \$1,250,000 to \$3,000,000*.

Cost to Date



Engineering and CM/Asset Mgmt Unit Master Contracts

Contract Type	Project Controls Services		
Amount	\$1,250,000.00	Expiration	6/30/2022
Type	Aggregate		
Amount Remaining	\$177,444.32	% Remaining	14.20%
Assigned To	Solis, Rachael		
Comments:	10/11/21 Changed amt from \$1M to \$1.25M as per contract on Laserfisch		

Name	Contract Number	On Call	Task Order	Spent to Date	PO Number	Contact	Phone	Email
KRD	4600002730	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$88,536.00	TBD			
CAPO	4600002731	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$984,019.68	TBD			
Total:				\$1,072,555.68				

Cost Breakdown

Total Amount Spent To Date	
KRD	\$88,536
CAPO	\$984,020
Total	\$1,072,556
Avg Yearly Amt. (\$1M/3yrs)	\$357,519
Request Amt (Avg * 4yrs)	\$1,430,076
20% Rate Increase	\$286,015
Total Request*	\$1,716,091
Original Contract	\$1,250,000.00
New Contract*	\$2,966,089

*Rounded to \$3M & \$1.75M

Recommendation

- Approve contract amendments for the Project Control Master Services Contracts to CAPO Projects Group and KRD Management Consulting, LLC for an aggregate amount of \$1,750,000, increasing the contract from \$1,250,000 to \$3,000,000 (140% increase) with a four-year term extension through June 2026; and
- Authorize the General Manager to execute the contract, subject to non-substantive changes.

The Project Controls Master Service Contract is consistent with the **IEUA's Business Goal of Fiscal Responsibility**, specifically IEUA is committed to safeguarding the Agency's fiscal health to effectively support short term and long-term needs, while providing the best value for our customers.

Attachment 2



**MASTER SERVICES CONTRACT AMENDMENT NUMBER: 4600002731-002
FOR
PROJECT CONTROL SERVICES**

AMENDMENT NUMBER TWO is made and entered into this ____ day of _____, 2022, by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "IEUA" and "Agency") and Capo Projects Group, LLC., with offices located in San Juan Capistrano, California (hereinafter referred to as "Consultant"), shall revise the Contract as follows:

REVISE SECTION 3, TERM OF CONTRACT AND OPTION, ADDING A PARAGRAPH, TO READ: With the execution of Contract Amendment Number 4600002731-002, the termination date of this Contract shall be extended to June 30, 2026; unless agreed to by both parties, reduced to writing, and amended in this Contract.

REVISE SECTION 6, COMPENSATION AND CHANGES, ADDING A PARAGRAPH TO READ: In compensation for the work represented by this Contract Amendment, Agency shall pay Consultant in accordance with Consultant's approved rate schedule, **Exhibit A**, which is attached hereto, referenced herein, and made a part hereof. The total lump sum for Contract 4600002731 CAPO Projects Group, and 4600002730 KRD Management shall be an aggregate **NOT-TO-EXCEED MAXIMUM of \$3,000,000.00**. This represents an increase of **\$1,750,000.00**.

ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED

The parties hereto have mutually covenanted and agreed as per the above amendment item, and in doing so have caused this document to become incorporated into the Contract Documents.

INLAND EMPIRE UTILITIES AGENCY:
**A MUNICIPAL WATER DISTRICT*

CAPO PROJECTS GROUP, LLC.:

Warren T. Green (Date)
Manager of Contracts, Procurement
& Risk Services

Thomas Huntington (Date)
Partner

Exhibit A

ATTACHMENT A
PROPOSAL RATE / FEE SCHEDULE

DESCRIPTION PROPOSED	UNIT RATE
1. Principal-In-Charge	\$190/Hr
2. Project Manager	\$178/Hr
3. QA/QC	NA
4. Electrical Engineer	NA
5. Structural Engineer	NA
6. Civil Engineer	NA
7. Constructability Reviewer	\$178/Hr
8. Administrative Assistant	\$86/Hr
9. Estimator	\$167/Hr
10. Scheduler (Oracle's Primavera P6 Software)	\$167/Hr
11. Att. Other - Delay Claims Analyst	\$190/Hr
12. Att. Other – CPMaxis Subscription (Monthly)	\$1200/Mo

Attachment 3



**MASTER SERVICES CONTRACT AMENDMENT NUMBER: 4600002730-001
FOR
PROJECT CONTROL SERVICES**

AMENDMENT NUMBER ONE is made and entered into this ____ day of _____, 2022, by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "IEUA" and "Agency") and KRD Management Consulting, LLC., with offices located in Temecula, California (hereinafter referred to as "Consultant"), shall revise the Contract as follows:

REVISE SECTION 3, TERM OF CONTRACT AND OPTION, ADDING A PARAGRAPH, TO READ: With the execution of Contract Amendment Number 4600002730-001, the termination date of this Contract shall be extended to June 30, 2026; unless agreed to by both parties, reduced to writing, and amended in this Contract.

REVISE SECTION 6, COMPENSATION AND CHANGES, ADDING A PARAGRAPH TO READ: In compensation for the work represented by this Contract Amendment, Agency shall pay Consultant in accordance with Consultant's approved rate schedule, **Exhibit A**, which is attached hereto, referenced herein, and made a part hereof. The total lump sum for Contract 4600002731 CAPO Projects Group, and 4600002730 KRD Management shall be an aggregate **NOT-TO-EXCEED MAXIMUM of \$3,000,000.00**. This represents an increase of **\$1,750,000.00**.

ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED

The parties hereto have mutually covenanted and agreed as per the above amendment item, and in doing so have caused this document to become incorporated into the Contract Documents.

INLAND EMPIRE UTILITIES AGENCY:
**A MUNICIPAL WATER DISTRICT*

KRD MANAGEMENT CONSULTING, LLC.:

Warren T. Green (Date)
Manager of Contracts, Procurement
& Risk Services

Kirill Dolinskiy (Date)
Principal-in-Charge/Project Manager

Exhibit A



Reference: Master Services Contract No. 4600002730

**ATTACHMENT A
2022 RATE SCHEDULE**

KRD Management Consulting

1. Principal-In-Charge/ Project Manager	\$190.00
2. Scheduler Lead (Oracle's Primavera P6 Software)	\$190.00
3. Cost Estimator Lead	\$190.00
4. Cost Estimator	\$168.00
5. Scheduler (Oracle's Primavera P6 Software)	\$168.00
6. Administrative Assistant	\$103.00
7. Constructability Reviewer	\$190.00

Kleinfelder

8. Senior Scheduler (Oracle's Primavera P6 Software)	\$233.00
9. Scheduler (Oracle's Primavera P6 Software)	\$173.00
10. Cost Estimator	\$190.00
11. Constructability Review	
• Senior Treatment Process Reviewer	\$313.00
• Treatment Process Reviewer	\$209.00
• Senior Structural Reviewer	\$299.00
• Structural Reviewer	\$210.00

NV5

12. Senior Scheduler (Oracle's Primavera P6 Software)	\$215.00
13. Constructability Review	
a. Construction Manager	\$185.00
b. Electrical Engineer	\$215.00
c. I&C Engineer	\$215.00
d. Civil Engineer	\$185.00
14. Field Support Personnel (Field Data Verification)	\$155.00

Sub-consultants billing rates are shown and will be billed at cost plus 10%, unless specified otherwise in the agreement. All base rates will be adjusted annually in accordance with the negotiated schedule.

Reimbursable Costs

Reproduction, special photography, postage, delivery services, express mail, printing, travel, parking will be billed at cost. Mileage will be billed at the current IRS allowed rate.

INFORMATION
ITEM
3A

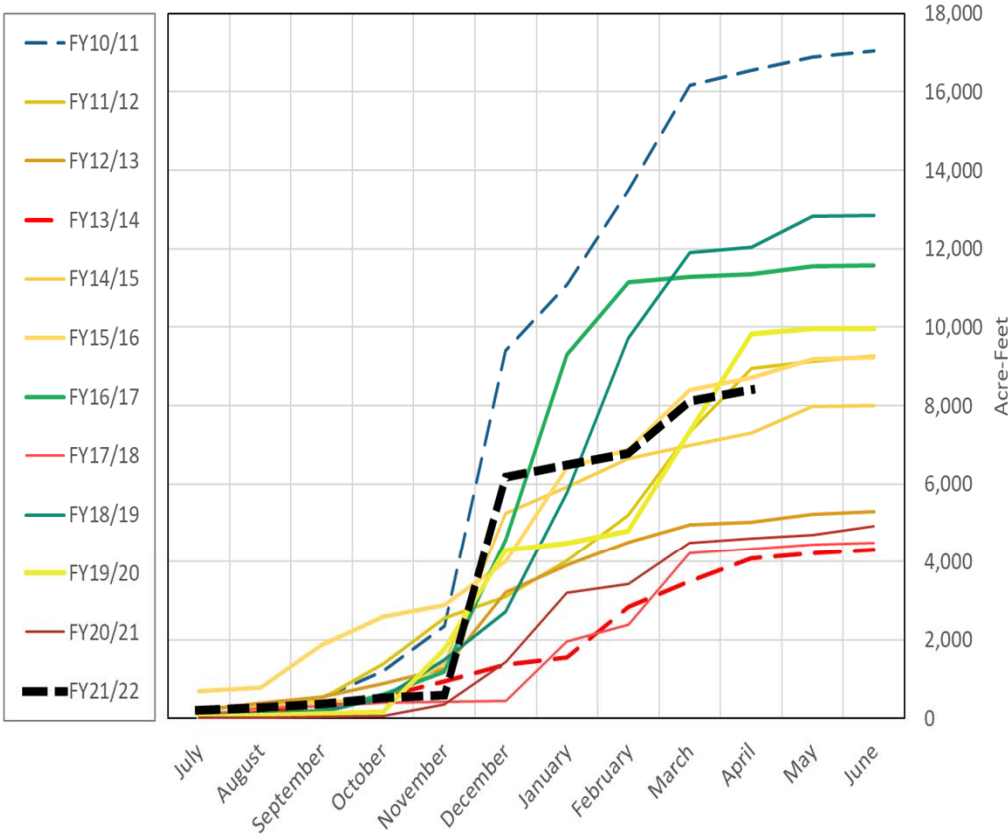


Recycled Water Groundwater Recharge Update

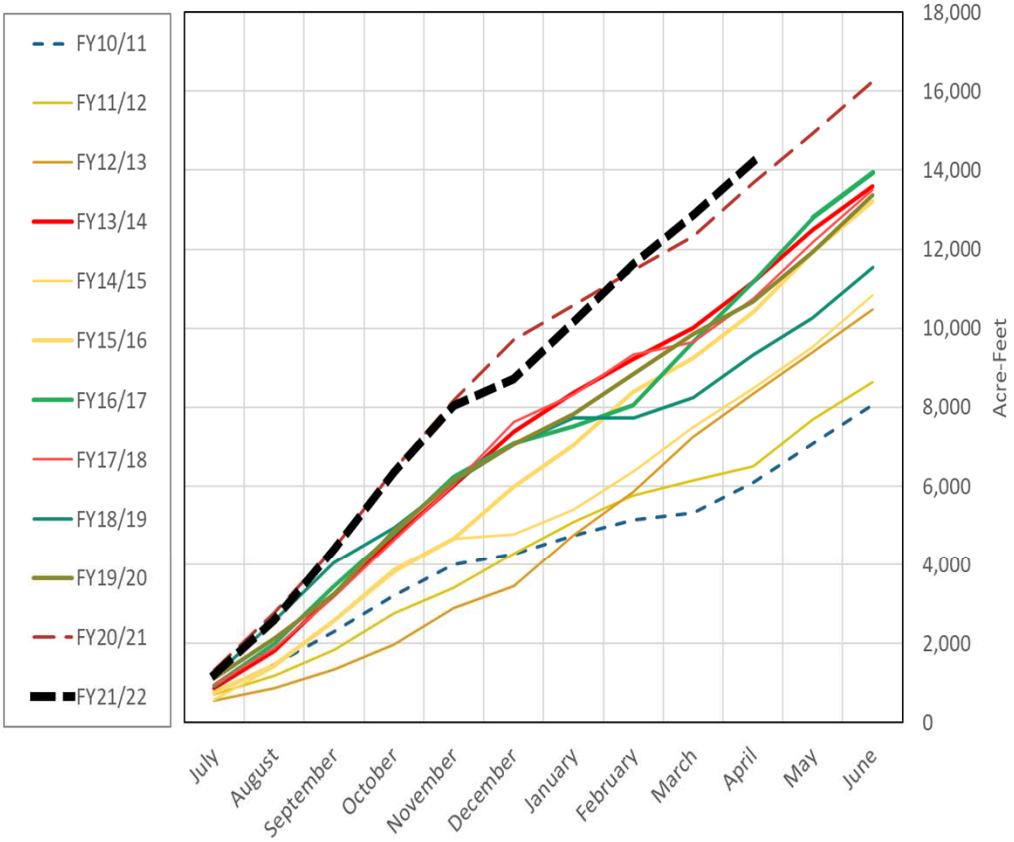
Andy Campbell, PG, CHG
Groundwater Recharge Supervisor
June 2022

Annual Recharge Monthly Accumulation

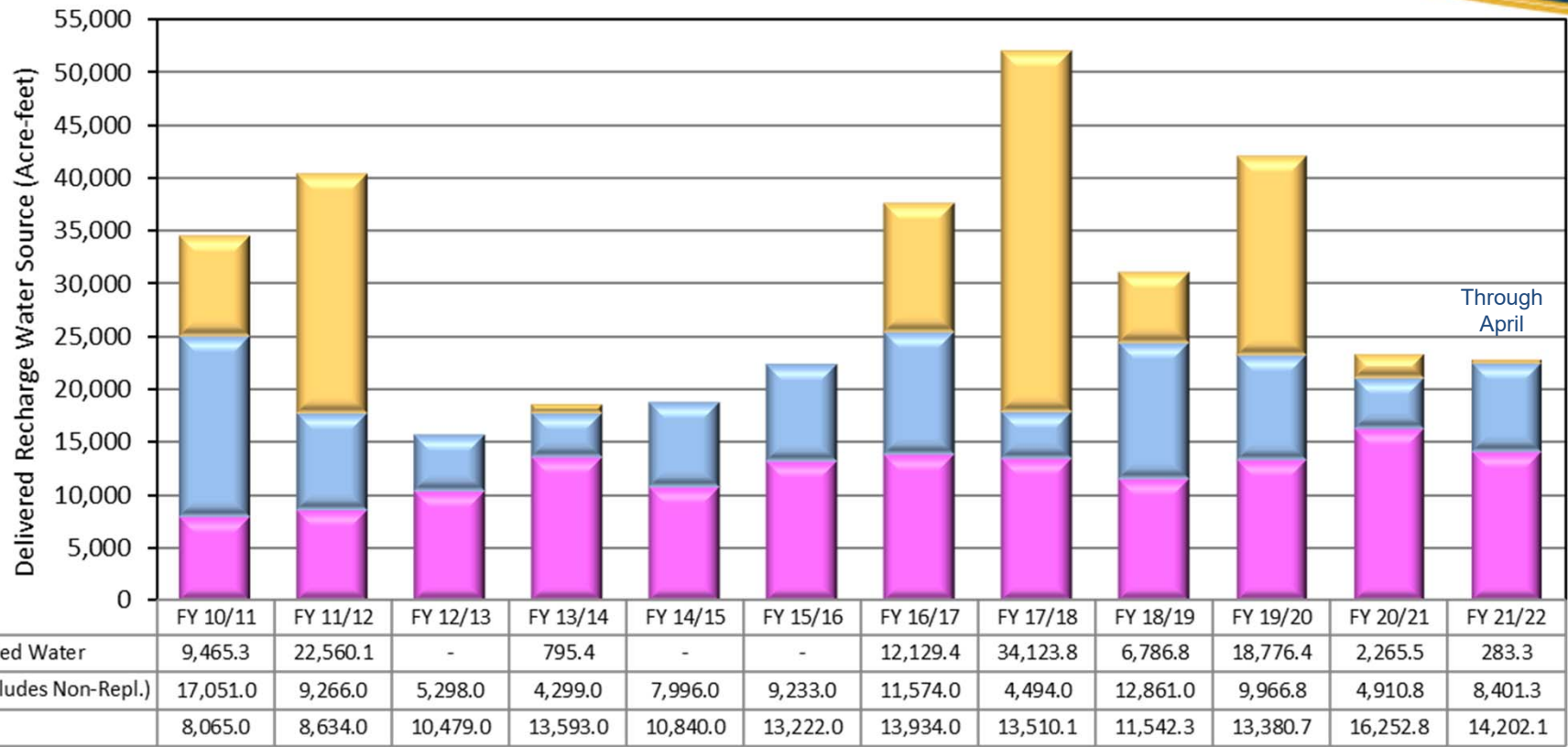
Stormwater Monthly Accumulation



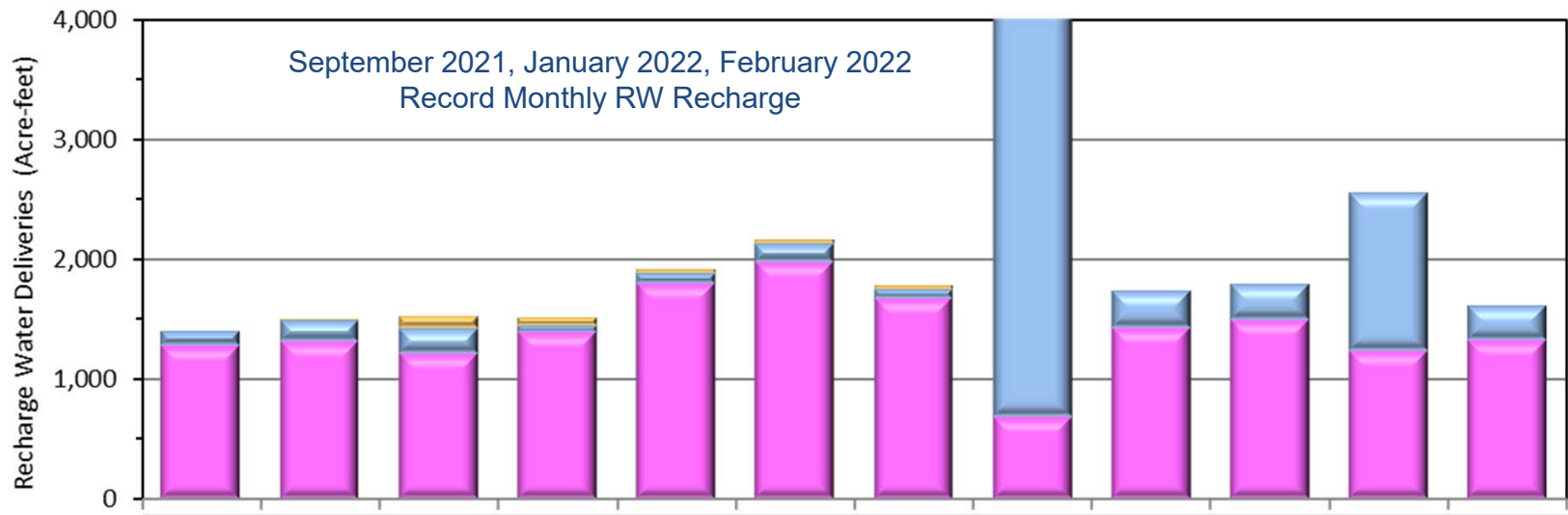
Recycled Water Monthly Accumulation



Groundwater Recharge Annual History

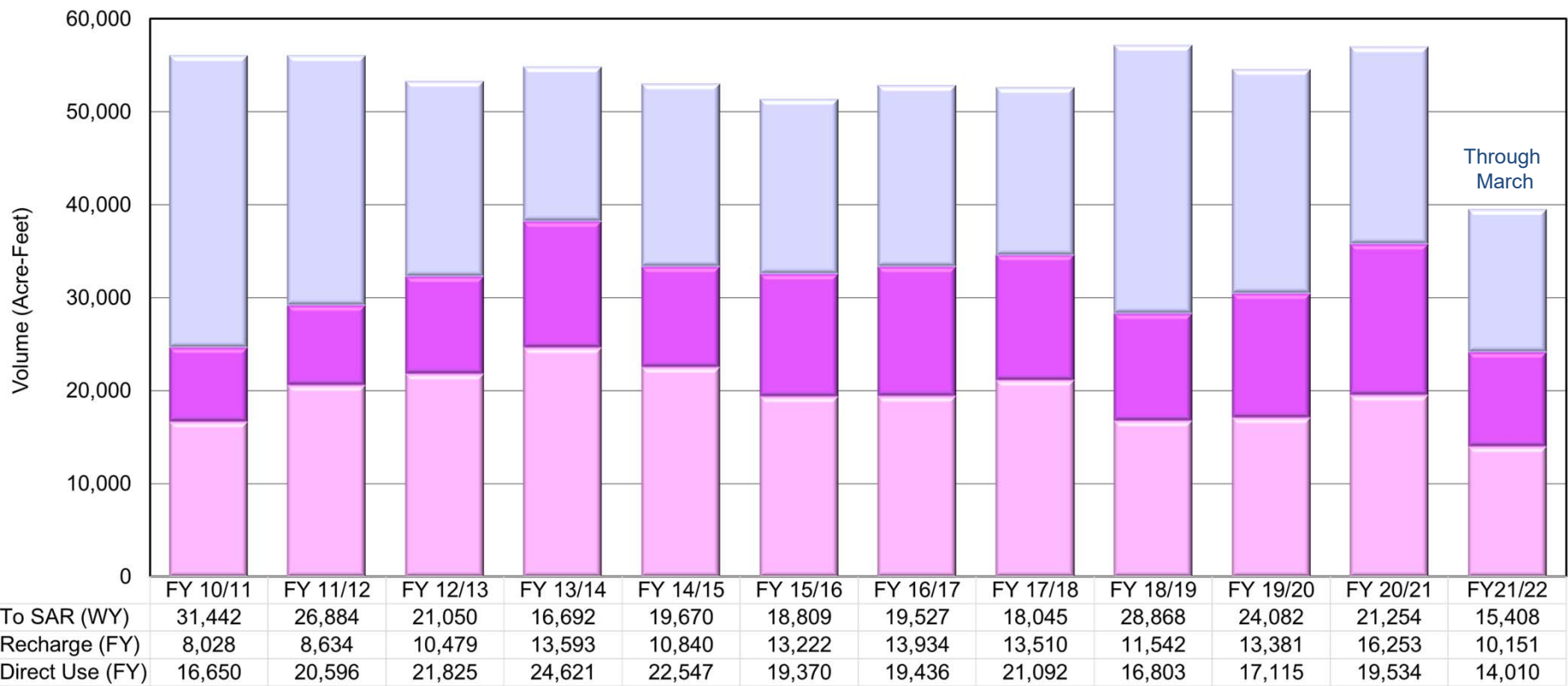


Groundwater Recharge Deliveries Past 12 Months

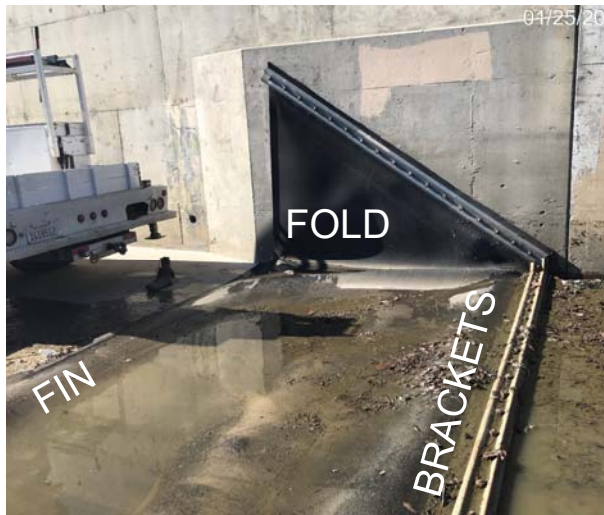


	May 2021	Jun 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
■ MWD and other Imported Water	0	2	108	69	33	27	33	13	0	0	0	0
■ Stormwater and LR (excluded Non-Replenishment)	134	185	215	58	99	157	75	5,558	313	303	1,333	290
■ Recycled Water	1,274	1,311	1,209	1,387	1,791	1,979	1,673	686	1,426	1,492	1,232	1,327

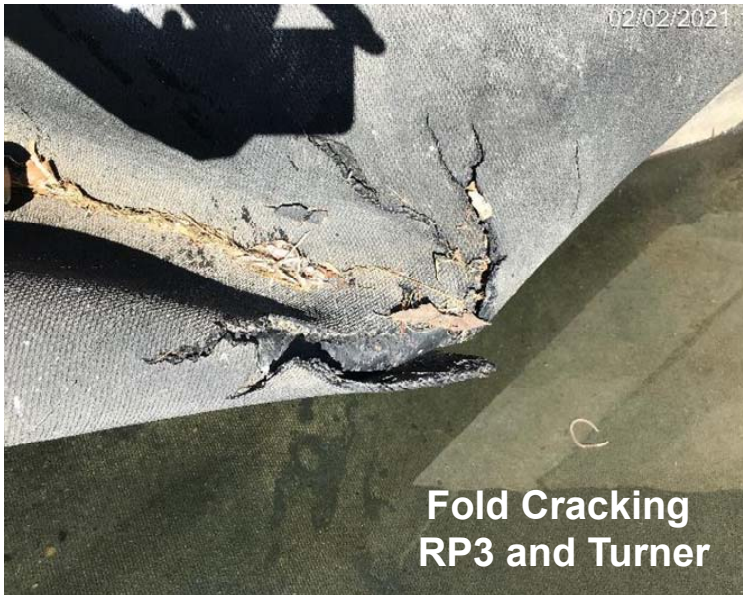
Recycled Water (RW) Deliveries



April 2022 - Rubber Dam Inspections

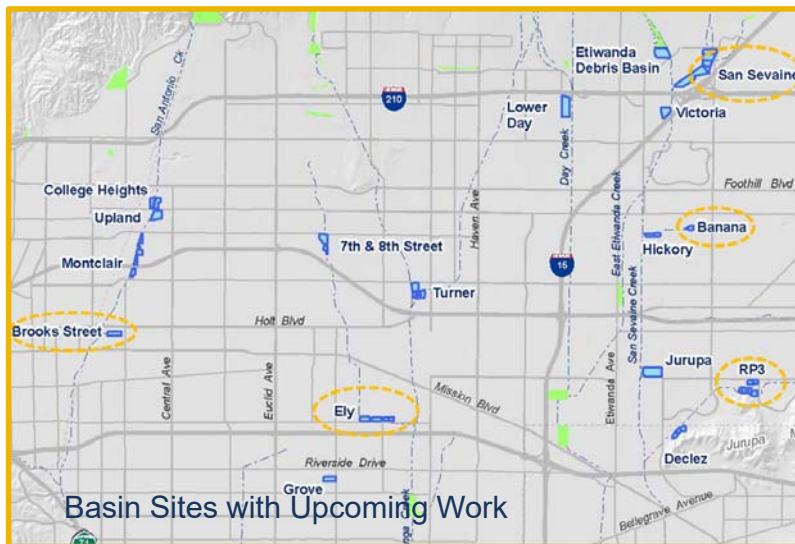


Contractor conducted a condition assessment at all Rubber Dams



Upcoming Recharge Site Maintenance

- Spring Maintenance Activities
 - Infiltration restoration work at RP3, Brooks, and Banana Basins
 - Vegetation/debris removal by CalFire at San Sevaine 3, Ely, and Banana Basins
 - State Street storm drain inlet to Brooks Basin repair



INFORMATION
ITEM
3B



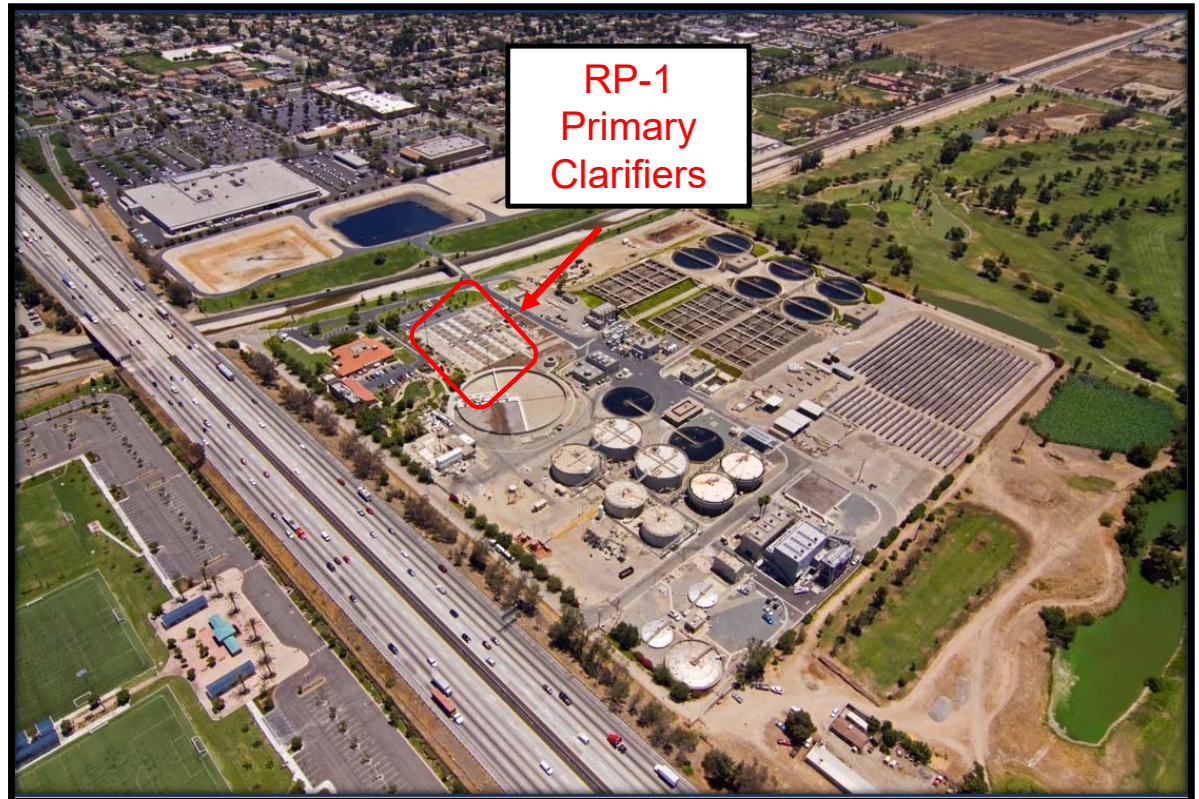
SARS-CoV-2 Wastewater Sampling

Scott Lening
Manager of Operations
June 15, 2022

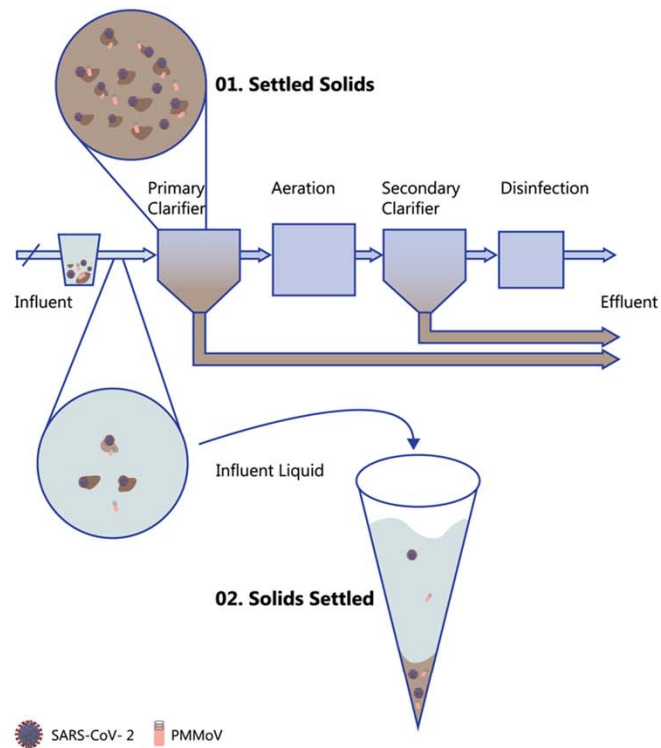
Background

Regional Water Recycling Plant No. 1 (RP-1)

- ❑ Participation with Verily Life Sciences
WastewaterSCAN PCR Technology
- ❑ National testing services
- ❑ Study Requirements



Sampling



IEUA Sampling Results

WASTEWATER
SCAN | powered by
verily



Wastewater SCAN Dashboard

Timely detection of viruses like SARS-CoV-2, through community wastewater partnerships.
This dashboard reports results from the methods developed by SCAN. [Learn more](#)

Ontario, CA

All time

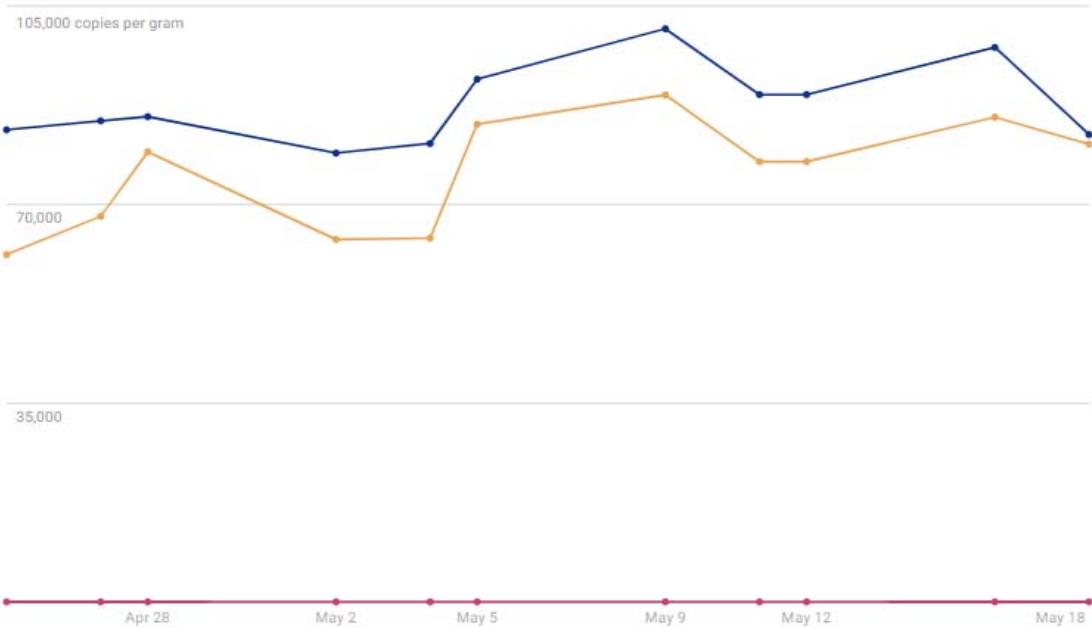
Graph

Table

May 18, 2022

Virus / Variant	copies/g
All SARS-CoV-2 (S Gene)	82,343
Omicron (BA.1 & BA.1.1) Mutation: S:del143-145	0
Omicron (BA.2) Mutation: S:LPPA24S	80,640

- Nodes represent smoothed sample values on collection dates, which are not always at regular intervals.
- Trend lines have been smoothed.



[Download raw data \(CSV\)](#)
[Download data dictionary \(PDF\)](#)

PublicHealth.Verily.com

Los Angeles Results



Wastewater SCAN Dashboard

Timely detection of viruses like SARS-CoV-2, through community wastewater partnerships.
This dashboard reports results from the methods developed by SCAN. [Learn more](#)

Los Angeles County, CA

All time

Graph

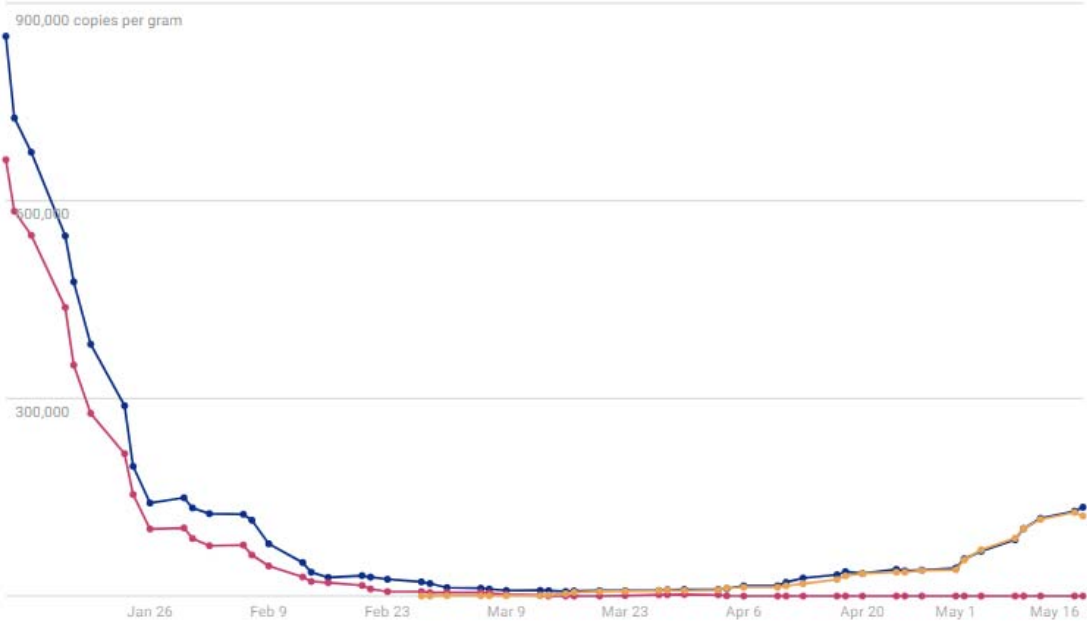
Table

May 16, 2022

Virus / Variant	copies/g
All SARS-CoV-2 (S Gene)	134,792
Omicron (BA.1 & BA.1.1) Mutation: S:del143-145	0
Omicron (BA.2) Mutation: S:LPPA24S	121,472

Nodes represent smoothed sample values on collection dates, which are not always at regular intervals.

Trend lines have been smoothed.



[Download raw data \(CSV\)](#)
[Download data dictionary \(PDF\)](#)

INFORMATION
ITEM
3C

Date: June 15, 2022

To: The Honorable Board of Directors

ADD
From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Staff Contact: Christiana Daisy, Deputy General Manager

Subject: Regional Water Use Efficiency Business Plan Update

Executive Summary:

The Regional Water Use Efficiency Business Plan Update (The Plan) is the outcome of a collaborative process undertaken by IEUA and the Customer Agencies. The Plan is intended to position agencies for regulatory compliance, drought response, and water supply reliability. In addition, the Plan delivers an array of cost-effective, flexible water use efficiency programming.

IEUA has incorporated a two-phase approach to the WUE Business Planning process. Phase 1 as described addressed fiscal year 2021/22, and Phase 2 addresses fiscal years 2022/23 and 2023/24. Phase 2 transitions the Agency to focus on longer term strategies that align with regional priorities, such as: evolving state regulations; equitable Customer Agency program contributions, cost-effective water savings; drought response and potential extraordinary conservation.

The Customer Agencies and IEUA will continue to work collaboratively to develop accountability metrics for activities funded by the MEU Rate that assist in meeting state regulatory requirements, including Assembly Bill 1668 and Senate Bill 606 (2018).

Staff's Recommendation:

It is recommended that the Board of Directors receive and file the Regional Water Use Efficiency Business Plan.

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

Account/Project Name:

WR20026 - WUE Business Plan Update - 2020

Fiscal Impact (explain if not budgeted):

Programs that are identified in the WUE Business Plan for regional implementation are included or will be included as part of the water conservation budget in the Water Fund for FY 2022/23 and subsequent years. Several programs are also eligible for partial reimbursement to IEUA under MWD's Conservation Credits Program and Proposition 1 under the DWR.

Full account coding (internal AP purposes only):

- - -
- - -

Project No.:

Prior Board Action:

On May 18, 2016, the IEUA Board of Directors adopted the 2015-2020 Regional Water Use Efficiency Business Plan Update.

On September 15, 2010, the IEUA Board of Directors adopted the 2010-2015 Regional Water Use Efficiency Business Plan.

Environmental Determination:

Not Applicable

Business Goal:

The project is consistent with IEUAs Business Goal of increasing Water Reliability by promoting water use efficiency and education to enhance water supplies within the region; and meeting the regions need to develop reliable and diverse local water resources in order to reduce dependence on imported water supplies.

Attachments:

Attachment 1 - PowerPoint

Attachment 2 - Regional Water Use Efficiency Business Plan Update

Link: <https://www.dropbox.com/s/6w7a2sqf8sk6gnl/22137%20Regional%20Water%20Use%20Efficiency%20Business%20Plan%20Update.pdf?dl=0>



REGIONAL WATER USE EFFICIENCY BUSINESS PLAN

FY 2022 - 24

Presented by Christopher Garcia,
Environmental Resources Planner I &
Maureen Erbeznik, Consultant

Purpose of WUE Business Plan

Communication Tool with Customer Agencies

Map out Needed Activities for Supply Reliability
& Regulatory Compliance

Measure Water Savings Results

Estimate Budget

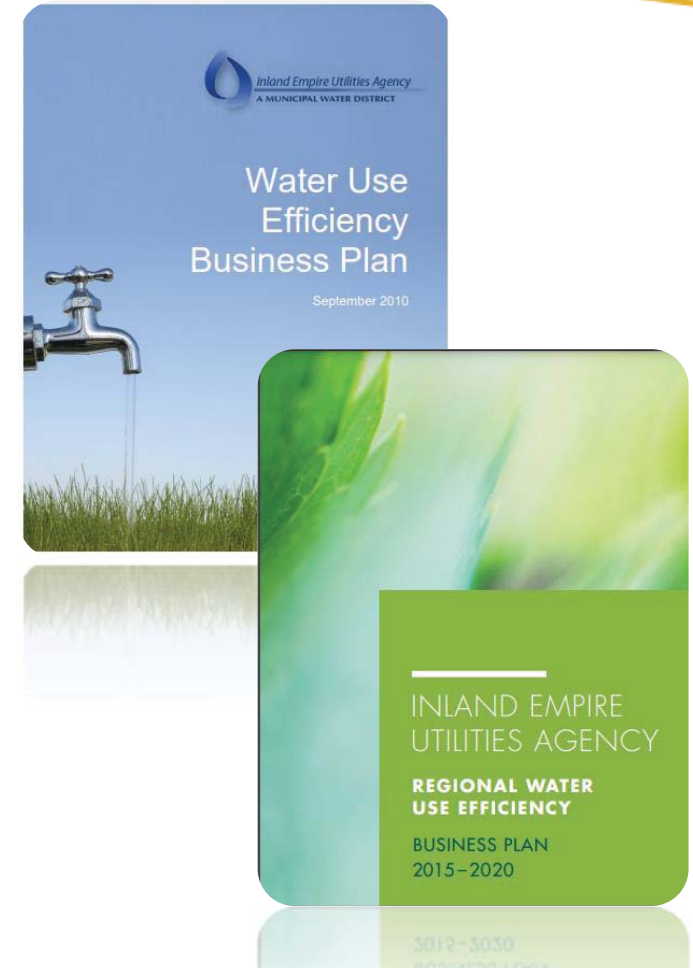
Evaluate Program Performance

=

**Successful
Regional
WUE
Program**

WUE Business Plan Evolution

- 2007** Need for a Business Plan Identified
- 2009** Interim Business Plan
- 2010** 2010-2015 WUE Business Plan
In line with UMWP
- 2015** 2015-2020 Business Plan
- 2021*** 2021-2025 Spilt into Two Phase
Phase 1 Status Quo
- 2022** Phase 2 Business Plan Developed
Assessed in One Year



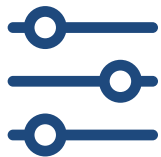
Planning Approach Selected

Core *plus* Flex Business Model



Core Programs are Cost-effective and Provide Regional Benefits

- 70% of Budget
- 73% of Core Programs are Allocated



Flex Programs offer Customer Agencies Ability to Select Programs Beneficial to Their Service Area

- 30% of Budget

Resulting in **81%** of the WUE Regional Program Budget based on MEU Revenue Contribution

FY 2022/23 Program Activity

Measure	Annual Activity
CII Turf Replacement Rebates	139,000
Res Turf Replacement Rebate	120,000
SCWS CII High Efficiency Sprinkler Nozzle Rebates	4,000
SCWS Res High Efficiency Sprinkler Nozzle Rebates	4,000
Sprinkler Tune-Up Program	1,362
SCWS Res High Efficiency Clothes Washer Rebates	1,000
Small Controller Upgrade Program	782
SCWS Res Smart Controller Rebates	600
Large Smart Irrigation Program	200
SCWS CII Premium Efficiency Toilet Rebate	200
SCWS Res Premium Efficiency Toilet Rebates	200
SCWS CII Laminar Flow Restrictor Rebates	150
SCWS Large Landscape Smart Controller Rebates	100
SCWS Res Leak Detection Device Rebate	100
SCWS Plumbing Flow Control Rebates	25
SCWS Rain Barrel Rebates	25



Plan Overview FY 2022 - 2023

Water Savings

Annual Water Savings	
Core Programs	599 AF
Flex Programs	197 AF
Total	796 AF
Lifetime Water Savings	
Core Programs	4,069 AF
Flex Programs	1,317 AF
Total Lifetime	5,386 AF

Program Costs

Budget	
Annual Budget	\$2.5 M
Cost Effectiveness	
Cost per Acre-foot <i>IEUA Only</i>	\$352/AF
Cost per Acre-foot <i>IEUA, MWD, & Grants Combined</i>	\$718/AF
Avoided Costs <i>Imported Water Purchases</i>	\$4.6 M

New WUE Dashboard

- In Development
 - Kennedy Jenks and IEUA IT
 - IEUA WUE and Customer Agency Representatives
- Track and Visualize Metrics

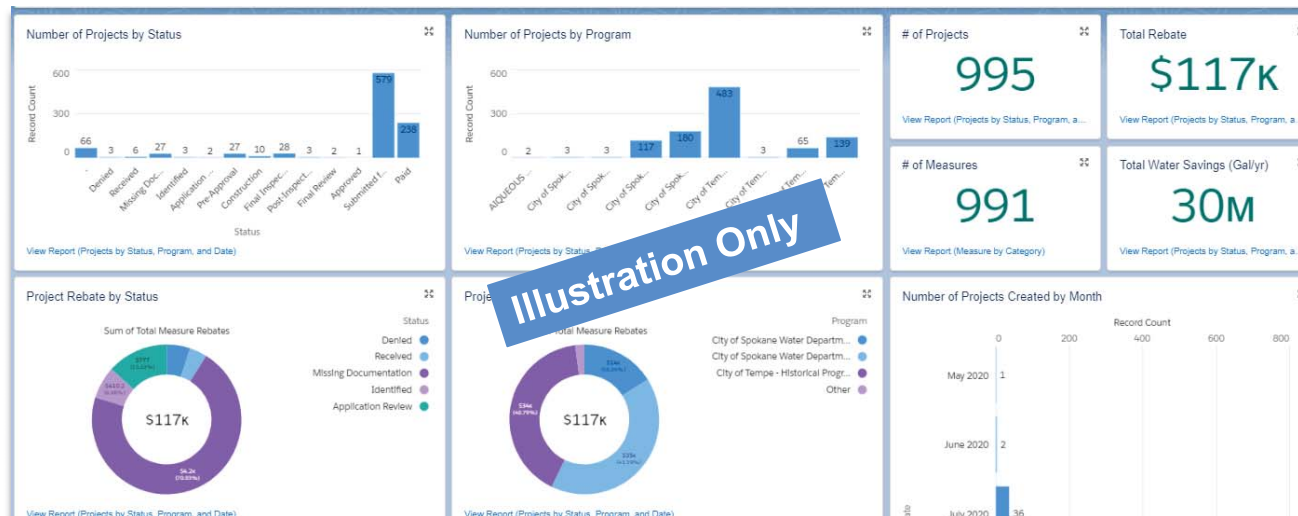
Phase 1 – Internal IEUA

- Prototype by July 1, 2022

Phase 2 – Access for Customer Agencies

- Data security focused
- Allows agency to access their own data

Phase 3 – Automation and More



Questions?

The project is consistent with IEUAs Business Goal of increasing Water Reliability by promoting water use efficiency and education to enhance water supplies within the region; and meeting the regions need to develop reliable and diverse local water resources in order to reduce dependence on imported water supplies.

INFORMATION
ITEM
3D

Date: June 15, 2022

To: The Honorable Board of Directors

From: Shivaji Deshmukh, General Manager

Committee: Engineering, Operations & Water Resources

06/08/22

Staff Contact: Christiana Daisy, Deputy General Manager

Subject: Annual Report of the Prado Basin Habitat Sustainability Committee

Executive Summary:

The 2021 Annual Report of the Prado Basin Habitat Sustainability Committee for Water Year 2021 was prepared on behalf of the Prado Basin Habitat Sustainability Committee (PBHSC), pursuant to the mitigation monitoring and reporting requirements of the Peace II Subsequent Environmental Impact Report (SEIR). This report is an annual requirement for the re-operation and expansion of the Chino Basin Desalters to monitor potential environmental impacts that could result from attaining hydraulic control of groundwater outflow from the Chino Basin to the Santa Ana River. The Annual Report was published in May 2022; the monitoring and analyses indicate the quality of the riparian habitat vegetation remained stable for about half of the Prado Basin, and decreased in small and large patches along the creeks and the Santa Ana River from 2020 to 2021. The Groundwater production has increased by nearly 10,000 AFY due to an increase in the Chino Desalter pumping. There is no trend in degradation of the riparian habitat that is contemporaneous with decreasing groundwater levels; therefore, no mitigation measures are proposed at this time. Based on the analyses, a recommended scope and budget for the next annual report has been prepared to monitor the extent and quality of the riparian habitat and factors that can influence it, including augmented monitoring and analysis in three areas to track the notable changes observed.

Staff's Recommendation:

The 2021 Annual Report is an information item for the Board of Directors to receive and file.

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

Account/Project Name:

EN18021: Prado Basin AMP. The project is a cost-share at 50/50 between IEUA and CBWM.

Fiscal Impact (explain if not budgeted):

No impact.

Prior Board Action:

On June 16, 2021, the Board of Directors received and filed the 2020 Annual Report of the Prado Basin Habitat Sustainability Committee.

On June 17, 2020 the Board of Directors received and filed the 2019 Annual Report of the Prado Basin Habitat Sustainability Committee.

Environmental Determination:

Program Environmental Impact Report (Finding of Consistency)

The Annual Report for Water Year 2021 of the Prado Basin Habitat Sustainability Committee is a Mitigation Monitoring and Reporting Program requirement of the 2010 Peace II Subsequent Environmental Impact Report.

Business Goal:

The 2021 Annual Report of the Prado Basin Habitat Sustainability Committee is consistent with the Agency's Business Goal of Environmental Stewardship by being committed to the responsible use and protection of the environment through conservation and sustainable practices.

Attachments:

Attachment 1 Link - 2021 Annual Report of the Prado Basin Habitat Sustainability Committee
<https://www.dropbox.com/s/3p7marxd1p7pqlp/22139%20Annual%20Report%20of%20the%20PBHSC%20Water%20Year%202021%20%28Draft%29.pdf?dl=0>