

Water Storage Investment Program Quarterly Report

The Quarterly Reporting covered by this template documents applicants' progress toward complying with regulation section 6013 to receive a final WSIP funding hearing with the Commission as well as any changes to the physical quantity and type of public benefit being provided by the project.

Applicants must provide an update of the project status for the requirements and milestones listed below. Applicants may deviate from this fill-in format, however, please provide the information requested in this template.

Project Information

Project name:

Chino Basin Program

Applicant name:

Inland Empire Utilities Agency

Date:

July 30, 2024

Reporting period:

April 1, 2024 through June 30, 2024

Provide a brief project description:

The Chino Basin Program (CBP) is a series of innovative water treatment and storage projects structured to modernize regional water supplies, storage, and delivery systems. Through several water infrastructure improvement projects, the CBP will help address challenges caused by imported water supplies variability through the development of new, local water supplies, thus increasing local water supply resiliency and reliability while simultaneously providing water to support salmonids in the Bay-Delta ecosystem through a series of exchange agreements.

The CBP consists of infrastructure made up of "Put" facilities such as an Advanced Water Purification Facility (AWPF) at IEUA's existing Regional Water Recycling Plant No. 4 (RP-4) in Rancho Cucamonga, supplemental recycled water supplies, storage facilities such as aquifer replenishing wells and conveyance to place the treated water into the groundwater basin, and "Take" facilities such as groundwater extraction wells and conveyance to extract stored supplies at a later date.

The AWPF will create 15,000 acre-feet (AF) of new, purified recycled water annually. Approximately 6,000 AF per year of supplemental recycled water will be purchased from the City of Rialto and Western Riverside County Regional Wastewater Authority (WRCRWA) to augment the source supplies for the AWPF during the peak recycled water use demands. The purified water will be stored in the Chino Basin aquifer. This may be done through aquifer replenishing wells, and new or existing groundwater recharge infrastructure. After the water is stored, the program will include groundwater extraction wells with a 40,000 AF capacity to pump the purified water supply out of the basin and pipeline conveyance that will distribute the new water supply to our partnering agencies for local use. With these new facilities, the CBP will develop 375,000 AF of local supplies to be exchanged to facilitate pulse flow releases from the Oroville Reservoir to the Feather River to benefit native fish species during a 25-year period.

Provide a brief description of public benefits:

The CBP will provide numerous public benefits including the three defined and identified as follows by the Water Storage Investment Program (WSIP).

(1) Ecosystem Public Benefit: The CBP will provide a total exchange of 375,000 AF of water for the California Department of Fish and Wildlife (CDFW) to manage for the purposes of improving habitat for native fish populations in the Bay-Delta watershed. This exchange will occur through a partnership agreement with Metropolitan Water District of Southern California (MWD). Up to 50,000 AF of Table A water will be transferred to CDFW over the 25-year project term.

(2) Water Quality Public Benefit: Water quality benefits will be provided locally, in the Chino Basin, by treating 15,000 AF of recycled wastewater annually using advanced water purification technology. This treatment process will reduce the total dissolved solids concentrations on average by approximately 500 milligrams per liter. The purified water would then be stored in the Chino Basin aquifer.

(3) Emergency Response Public Benefit: When water supplies are impacted for example by a catastrophic event, an unplanned service interruption, or water shortages during low allocation years, the new production facilities can be used to provide up to 50,000 AF of water to meet local emergency supply needs.

Current total project cost:

Total project cost is currently estimated at \$985.5 million (\$695.5 million in 2023\$ based on class 4 estimate for "Put" Facilities and \$290 million in 2019\$ based on class 5 estimate for "Take" Facilities).

General Update and Key Issues

Provide a general update and describe any **key issues** that occurred during this reporting period. You may attach additional documents or pages if more space is needed:

Advanced Water Purification Demonstration Facility – The 30% design of the demonstration facility is completed. A four-stage RO system will be utilized. One major design revision is the relocation of the chemical storage from inside the building to the existing carport. The 60% design completion and contractor prequalification are expected to occur in the next quarter.

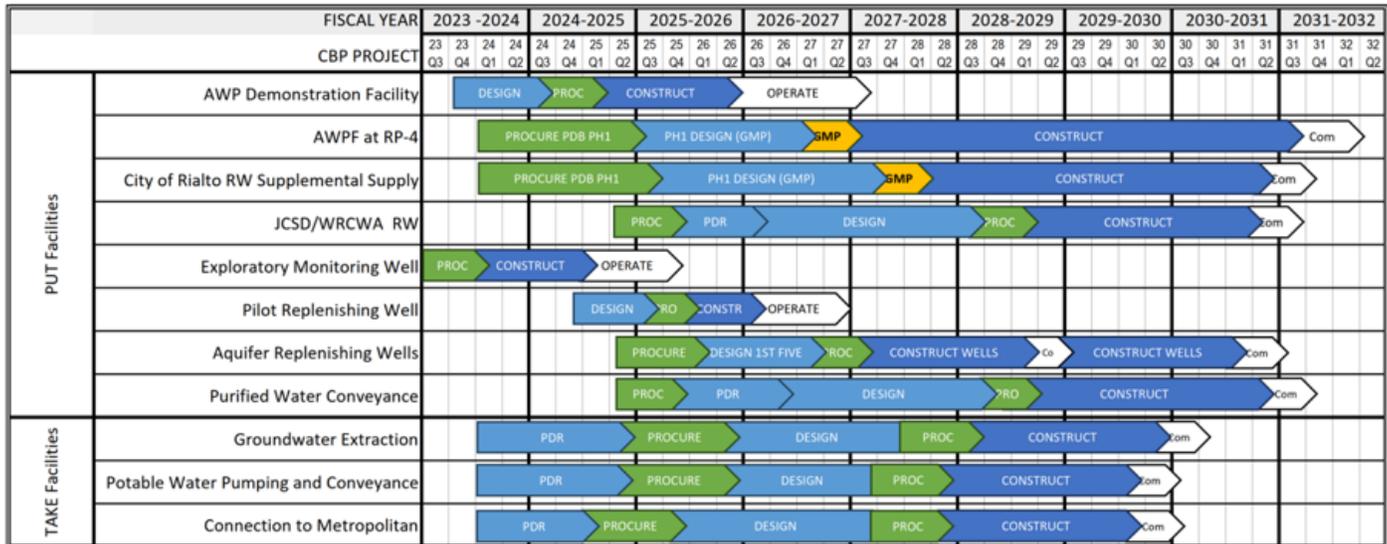
Aquifer Replenishing Wells | Exploratory Boreholes/Monitoring Wells – With the completion of the construction of the first exploratory borehole, aquifer zone testing, groundwater sampling, and falling head tests will provide soil permeability and water quality data. The construction of the second exploratory borehole is expected to occur in the next quarter.

Attach latest project schedule. In addition, describe below how the actual schedule is progressing in comparison to the schedule provided in the last reported schedule:

IEUA and partner agencies continue to work together to define CBP elements on a schedule consistent with the proposed commitments to achieve local and statewide public benefits. An overview of the CBP's schedule is shown below. See Attachment A for a detailed schedule for each CBP project.

Schedule Overview Updated 04/30/2024

Commission AWPf-
July 2031



LEGEND

- DESIGN
- PROCUREMENT
- CONSTRUCTION
- COMMISSIONING

ACRONYMS

- PDB PROGRESSIVE DESIGN BUILD
- AWPF Advanced Water Purification Facility
- RP-4 IEUA's Regional Water Recycling Plant No. 4
- JCSd Jurupa Community Services District
- WRCRWA Western Riverside County Regional Wastewater Authority

Note any milestones or accomplishments that occurred since submittal of the prior Quarterly Report:

IEUA continues to make progress in planning and designing of the CBP. The Aquifer Replenishing Wells reached a milestone that occurred during the 2nd quarter of 2024. IEUA held a groundbreaking ceremony to commemorate the construction of the exploratory boreholes/monitoring wells project (See Attachment B -Groundbreaking ceremony program and press release). The construction of the first exploratory borehole was completed and aquifer zone testing is underway. The data gathered from the zone testing will provide information on the replenishment potential in the aquifer replenishment wells corridor.

Items Required Prior to Scheduling a Final Award Hearing

The following items must be provided prior to scheduling a final award hearing. Please describe the status and include the estimated completion date for the following items. These dates should align with any attached project schedule.

1. Contracts for non-public benefit cost share:

List all required contracts for non-public benefit cost share, and provide the amount of associated funds, the status and estimated completion date. Please note any issues or concerns that have, will, or could affect the timing of executing contracts for non-public benefit cost share.

Contract Name	\$ Amount	Status	Est Completion Date
IEUA local funding	\$664.5 million (estimated)	<p>Balance of total program costs. Financing of capital and operating costs will be financed with cost recovery through IEUA wastewater rates and agreements with local participating agencies.</p> <p>Work for the AWPf and the Rialto RW Supplemental Supply will be issued through progressive design build contracts. An industry presentation will occur July 24th, 2024, to inform potential contractors, consultants, and sub-consultants of the upcoming Request for Qualifications (RFQ). The RFQ will be issued in late summer 2024 to begin the PDB solicitation process.</p> <p>The other CBP projects (Aquifer Replenishing Wells, Purified Water Conveyance, Extraction Facilities, and MWD Interconnection) will be issued by traditional design-bid-build methods.</p>	<p>2027</p> <p>2025</p> <p>2026</p>

2. Contracts for administration of public benefits (CAPB):

Provide a status for each applicable administering agency Draft and Final CAPB and estimated completion date for both. The Draft CAPB completion date is when Commission receives the Draft CAPB for a subsequent Commission meeting. The Final CAPB completion date is when it will be executed. Please note any issues or concerns that have, will, or could affect the timing of executing CAPBs or could change the magnitude of the public benefits that could affect cost allocation.

CAPB Admin Agency	Status	Est Completion Date
SWRCB (Water Quality)	<p>Staff held ongoing discussions with SWRCB on adaptive management, monitoring, and reporting plans to work towards the Public Benefit Contract. Draft language has been reviewed by SWRCB and comments and will be discussed next quarter.</p> <p><u>Issue</u> – Outside of CAPB, the SWRCB is concerned about timing of other permits including the 1211 wastewater change petition. This effort is being coordinated with the City of Rialto’s 1211 wastewater change petition and the Upper Santa Ana River HCP. *</p>	TBD per CWC requirements
DWR (Emergency Response)	<p>Staff held ongoing discussions with DWR on adaptive management, monitoring, and reporting plans to work towards the Public Benefit Contract. Draft language has been written for review. IEUA is awaiting review comments from DWR. *</p>	TBD per CWC requirements
CDFW (Ecosystem)	<p>Staff held ongoing discussions with CDFW on adaptive management, monitoring, and reporting plans to work towards the Public Benefit Contract. Draft language has been reviewed by CDFW and comments will be discussed next quarter.</p> <p><u>Issue</u> –Timing of DWR-CDFW discussions and agreement. *</p>	TBD per CWC requirements

* “Who signs first” is a concern for all the contracts. Each agreement is contingent upon and shall only become effective if all of the other agreements are completed; staff are working to coordinate to ensure consistency among all of the agreements. See Attachment C for a summary of relationships between CAPBs and other CBP-related agreements.

3. Completed feasibility studies:

Completion Date: Chino Basin Program Feasibility Study, IEUA, October 2021

4. Complete environmental documentation:

Provide the status and estimated completion date for all required environmental documentation (draft and final) for the project, including all Board resolutions adopting or certifying CEQA environmental documents, CEQA findings, mitigation monitoring and reporting program, Notice of Determination (NOD), and CEQA Addenda, and all NEPA completion documents, including the Record of Decision (ROD). Please note any issues or concerns that have, will, or could affect the timing of providing complete environmental documentation at the state or federal level.

Environmental Document	Status	Est Completion Date
State Document	Final PEIR Chino Basin Program, IEUA Draft Supplemental EIR regarding Pulse Flow Component of the WSIP, DWR Final Supplemental EIR regarding Pulse Flow Component of the WSIP, DWR Project level CEQA 1211 Wastewater Change Petition, IEUA	May 2022 March 2024 mid 2024 2026 2026
Federal Document	n/a – No impact to endangered species or wetlands per PEIR	n/a

5. All required federal, state, and local approvals, certifications, and agreements:

List permits needed for project to begin construction, describe status in acquiring them, and include estimated date to be acquired. Please note any issues or concerns that have, will, or could affect the timing of acquiring all federal, state, and local approvals, certifications, agreements, and permits necessary to begin project construction.

Approvals / Certifications / Agreements / Permits	Status	Est Date Acquired
Put Facilities	Water Code Section 1211 Wastewater Change Petition; Caltrans; UPRR License Agreement; City of Rialto, City of Rancho Cucamonga, and Fontana encroachment permits; San Bernardino County Public Works	2026
Take Facilities	Cities of Rancho Cucamonga and Fontana encroachment permits, right of way acquisition from private property owners, San Bernardino County Flood Control District, MWD, San Bernardino County Public Health	2026
State Permits and Agreements	Per WSIP Roundtable discussions in April 2024, State/DWR will file in June or July 2024 with the Water Board an Instream Flow petition per Water Code 1707 instream flow dedication.	2025
CDFW - DWR	Pulse Flow Agreement between CDFW and DWR Final Draft December 2024	2025
Local Performing Partner Agreement	The CBP Term Sheet with participating agencies, Cucamonga Valley Water District (CVWD) and Fontana Water Company (FWC), was approved by the partners and IEUA Board of Directors in March 2024. This Term Sheet establishes local performance to facilitate and exchange agreement with MWD. Final partner agreement will depend on total program costs.	2026
City of Rialto 1211 Wastewater Change Petition	A 50-year purchase agreement for 3,500 AF per year with the City of Rialto to offset IEUA's seasonal recycled water supply availability has been approved in April by the Rialto City Council and IEUA Board. City of Rialto has existing ownership of treated wastewater. The City of Rialto in coordination with IEUA staff and the Upper Santa Ana River Habitat Conservation Plan teams is developing a 1211 wastewater change petition for these flows. The petition is anticipated to be filed in parallel with the IEUA 1211 wastewater change petition.	2026
Metropolitan Water District of Southern California-IEUA Performance/Exchange Agreement	The agreement is in final stages of discussion and under legal review. Outstanding questions remain between MWD and DWR about how to facilitate the northern California water exchange to provide pulse flows. In addition, the agreement as drafted is contingent on alignment between the parties and the other public benefit contracts and local performance agreements. "Who signs first" is a concern for all the contracts.	Fall 2024
DWR - Metropolitan Water District of Southern California - CBP Water Exchange Agreement	Parties are at an impasse. For the water exchange agreement with DWR and MWD, there are differing opinions on how to facilitate the exchange. Discussions to resolve are ongoing. In addition, DWR has included costs related to loss of revenue for hydropower generation, and staff-time reimbursements in template agreement. These additional costs were not included in any original estimate and are not recoverable by rates or fees.	2025

Items Required to Execute a Funding Agreement

Provide an update on the following documents needed to execute a funding agreement for the project and indicate if any significant change has occurred. The Commission may request updated information prior to executing a funding agreement.

	Status	Significant Change?
Applicant's audited financial statements	Audited financial statements will be provided prior to the execution of a funding agreement.	n/a
Final project costs, schedule, and scope of work	For the AWPf and Rialto Recycled Water Interconnection, the final project costs and schedule will be obtained after the selection of the Progressive Design Builder who will provide the guaranteed maximum price. For the "Take" projects, the preliminary design work will provide updated project costs in 2025.	Yes
Evidence of bilateral communications with operators and owners of potentially impacted facilities regarding potential impacts of the proposed project to their facilities	For the CBP projects, communications with various agencies are ongoing and will continue to be held to identify potential impacts.	n/a
Limited waiver of sovereign immunity	n/a	n/a

Status Update

Provide a status update for the following and indicate if any significant change has occurred. The Commission may request updated information prior to executing a funding agreement.

	Status	Significant Change?
Labor Compliance	IEUA complies with the California public contracting and labor codes	None
Urban Water Management Plans	2020 Urban Water Management Plan – completed 2025 Urban Water Management Plan – under development	None
Agricultural Water Management Plans	n/a (IEUA is a municipal water wholesaler and is not required to complete an Agricultural Water Management Plan)	n/a
Potential effect on other conditional eligible projects on the applicant's public benefits	No negative potential effects to other WSIP public benefits projects are anticipated. CDFW will manage the request for pulse flows from each project proponent and may combine impacts to optimize ecosystem benefits.	None

Other Pertinent Information:

1. Sources of Funding

List sources of funding (e.g., Federal, State grants, local partnerships, rate payers, loans...) to move the project to construction and provide the associated amount of funds from that source and a status of obtaining that funding source below:

Funding Sources	\$ Amount (millions)	Status	Est Award Date
USBR RW & Desal. Planning	\$2.8	CBP project planning efforts. Awarded.	April 2024
MWD Future Supply Actions	\$0.4	Pilot AWPf. Awarded.	September 2024
Community Project Request	\$1.5	Application for pilot AWPf submitted March 2024. Pending federal congressional approval.	October 2024
USBR Large Scale Recycled Water	\$10.8	Application #1 for construction 2025-2027 for the AWPf, aquifer replenishing/injection wells, purified water conveyance submitted May 2024. Feasibility study submitted July 2024.	Spring 2025
FEMA BRIC	\$46.3	Rialto recycled water interconnection project. Conditional award (July 2023). Final award pending.	Spring 2025
SWRCB Water Recycling Funding Program	\$5.0	Rialto recycled water interconnection project. Application submitted in 2023. Pending SWRCB approval.	Summer 2025
CA State Revolving Fund Loan	\$50.0	Rialto recycled water interconnection project. Application submitted in 2022. Pending SWRCB approval.	Summer 2025
EPA WIFIA Loan	TBD	Full CBP. Letter of Interest in process. Anticipate submitting full application in 2025.	2025
CWC Water Storage Investment Program	\$204.2	Full CBP. Conditionally awarded pending required agreements and permits.	2027
IEUA local funding	\$664.5 (estimated)	Full CBP balance of program costs. Current estimates based on completed and in process preliminary design work. Final local funding of rates is to be determined based on grants, loans, and pending IEUA Board approval of guaranteed maximum price of contractors/design builders.	2027

2. Early Funding Agreement Status

Provide the status of the Early Funding Agreement (EFA), as applicable, and the percentage of EFA funds expended. If the EFA has been closed, describe how the remaining work needed to move the project to a final award hearing will be financed.

Status	Percentage of EFA funds expended
The IEUA Board authorized \$15,000,000 for planning efforts in 2019. The Early Funding Agreement was executed in 2021 and amended in 2023 for a total amount of \$10,763,270. To date, \$8,027,100 has been reimbursed. The approved invoice for \$994,390 is pending reimbursement.	84%

Attachment A: Project Schedule
"Take" Facilities

Activity ID	Activity Name	Remaining Duration	Current Start	Current Finish	Total Float	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042				
TAKE Facilities						02-Jul-30, TAKE Facilities																							
Groundwater Extraction Wells						02-Jul-30, Groundwater Extraction Wells																							
	Procure Designer	57	27-Jun-25	17-Sep-25	418	17-Sep-25, Procure Designer																							
	Board Approval of Designer	0	17-Sep-25	17-Sep-25	418	17-Sep-25, Board Approval of Designer																							
	Design Phase -Wells	261	18-Sep-25	15-Oct-26	729	15-Oct-26, Design Phase -Wells																							
	Procure Constructor - Wells	137	16-Oct-26	12-May-27	729	12-May-27, Procure Constructor - Wells																							
	Board Approval of Constructor -Wells	5	13-May-27	19-May-27	729	19-May-27, Board Approval of Constructor -Wells																							
	Construction -Wells	383	20-May-27	12-Dec-28	729	12-Dec-28, Construction -Wells																							
	Commissioning and Start-Up -Wells	65	13-Dec-28	23-Mar-29	729	23-Mar-29, Commissioning and Start-Up -Wells																							
	Design Phase -Facilities	405	06-Apr-26	24-Nov-27	418	24-Nov-27, Design Phase -Facilities																							
	Procure Constructor - Facilities	132	29-Nov-27	13-Jun-28	418	13-Jun-28, Procure Constructor - Facilities																							
	Board Approval of Constructor - Facilities	5	14-Jun-28	21-Jun-28	418	21-Jun-28, Board Approval of Constructor -Facilities																							
	Construction -Facilities	428	22-Jun-28	29-Mar-30	418	29-Mar-30, Construction -Facilities																							
	Commissioning and Start-Up -Facilities	65	01-Apr-30	02-Jul-30	418	02-Jul-30, Commissioning and Start-Up -Facilities																							
Extraction Water Collection Piping						07-May-30, Extraction Water Collection Piping																							
	Procure Designer	76	27-Jun-25	15-Oct-25	456	15-Oct-25, Procure Designer																							
	Board Approval of Designer	0	15-Oct-25	15-Oct-25	456	15-Oct-25, Board Approval of Designer																							
	Design Phase	462	16-Oct-25	10-Sep-27	1150	10-Sep-27, Design Phase																							
	Procure Constructor	140	13-Sep-27	12-Apr-28	456	12-Apr-28, Procure Constructor																							
	Board Approval of Constructor	5	13-Apr-28	19-Apr-28	456	19-Apr-28, Board Approval of Constructor																							
	Construction	433	20-Apr-28	04-Feb-30	456	04-Feb-30, Construction																							
	Commissioning and Start-Up	65	05-Feb-30	07-May-30	456	07-May-30, Commissioning and Start-Up																							
Connection to Metropolitan						02-Oct-29, Connection to Metropolitan																							
	Procure Designer	53	31-Jan-25	16-Apr-25	598	16-Apr-25, Procure Designer																							
	Board Approval of Designer	0	16-Apr-25	16-Apr-25	598	16-Apr-25, Board Approval of Designer																							
	Design Phase	462	17-Apr-25	15-Mar-27	1275	15-Mar-27, Design Phase																							
	Procure Constructor	123	16-Mar-27	08-Sep-27	598	08-Sep-27, Procure Constructor																							
	Board Approval of Constructor	5	09-Sep-27	15-Sep-27	598	15-Sep-27, Board Approval of Constructor																							
	Construction	433	16-Sep-27	27-Jun-29	598	27-Jun-29, Construction																							
	Commissioning and Start-Up	65	28-Jun-29	02-Oct-29	598	02-Oct-29, Commissioning and Start-Up																							



FOR IMMEDIATE RELEASE

June 11, 2024

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Inland Empire Utilities Agency Breaks Ground on Exploratory Boring and Monitoring Well Project
A Step Forward in Enhancing Sustainable Water Supply Management

RANCHO CUCAMONGA, Calif. – On Friday, June 7, 2024, the Inland Empire Utilities Agency (IEUA/Agency) held a groundbreaking ceremony for its Exploratory Boring and Monitoring Well Project. This milestone marks a significant development for the Agency as it aims to enhance water supply reliability and resilience in the Inland Empire.

“This project underscores our proactive stance in facing the challenges of water management. California’s shifting weather patterns and cyclical droughts make the outlook uncertain for water supply. By better understanding our aquifer’s properties, we can tailor our water supply strategies to ensure long-term sustainability and reliability,” said Marco Tule, IEUA Board President. “As a regional leader, IEUA continues to work proactively on solutions that can keep pace with our growing service area and to support our communities’ health and well-being.”

The ceremony took place at one of the three project sites in Rancho Cucamonga. Representatives from IEUA, Chino Basin Watermaster, Metropolitan Water District of Southern California, the State Water Resources Control Board, and other program partners and supporters attended to celebrate the start of this vital water resource management project.

“This exciting project is about vital data and information. It is often said you can’t manage what you don’t measure, and this project provides a basis for enhanced management here in the Chino Basin,” said Joaquin Esquivel, Chair of the State Water Resources Control Board. “Over the last five years, with the leadership of IEUA, the State Water Resources Control Board has been able to make significant investments for water recycling, stormwater retention, and other essential projects to gather data, build resiliency and help sustain through droughts, and I am proud of the partnerships among State and local leaders that enable these important projects to come to fruition.”

The Exploratory Boring and Monitoring Well Project involves strategic drilling at three sites to collect essential data on groundwater levels, quality, and trends. The wells will be used to gather soil data, depth-specific water samples, and measurements of aquifer properties such as permeability. By employing state-of-the-art boring techniques and monitoring systems, the data will effectively inform sustainable water management, compliance, and resource management practices for Chino Basin aquifers.

“The Chino Basin is one of the largest groundwater basins in Southern California and is one of the most important resources the region relies on for economic development,” said Edgar Tellez-Foster, Water

Resources Director, Chino Basin Watermaster. “This project is key to tapping into the potential of the Chino Basin, taking a deeper look into the reliability and storage potential for the region’s water supplies.”

This Exploratory Boring and Monitoring Wells project is part of the larger series of projects known as the Chino Basin Program, a first-of-its-kind water initiative that moves beyond traditional water management practices to achieve new levels of water security, flexibility, and affordability. The Chino Basin Program consists of a series of projects that will shape and protect the future of water for the Inland Empire region.

“As we face increasingly dramatic swings in the availability of our imported water supplies, the Chino Basin Program can provide precisely the reliability we need for our communities,” said Adel Hagekhalil, General Manager, Metropolitan Water District of Southern California. “These new boring and monitoring wells will provide the data necessary to advance efforts to produce and store more purified recycled water – a climate-resilient water supply. I applaud these steps being taken by IEUA.”

For more information about the Chino Basin Program, visit chinobasinprogram.org.

About the Inland Empire Utilities Agency (IEUA)

The Inland Empire Utilities Agency (IEUA/Agency) is an innovative, forward-thinking Agency serving 242-square miles in western San Bernardino County. The Agency is committed to supporting the needs of its service area and safeguarding public health through its significant investments in developing a diversified water supply portfolio, developing reliable municipal/industrial wastewater collection and treatment services, and other related utility services in a regionally planned and cost-effective manner. IEUA’s mission ensures long-term success for the region and its customer agencies which include Chino, Chino Hills, Cucamonga Valley Water District, Fontana, Fontana Water Company, Montclair, Monte Vista Water District, Ontario, San Antonio Water Company, Upland, and West Valley Water District. To learn more, visit ieua.org.



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

**EXPLORATORY BORING AND MONITORING WELL
GROUNDBREAKING CEREMONY**

FRIDAY, JUNE 7, 2024 | 10:00 AM



CBP 
CHINO BASIN PROGRAM

THANK YOU FOR JOINING US!

The Inland Empire Utilities Agency (IEUA) is embarking on a critical Exploratory Boring and Monitoring Well Project, aimed at safeguarding and managing the region's vital water supply. This initiative involves the strategic drilling of exploratory boring and monitoring wells to collect essential data on groundwater levels, quality, and trends.

By implementing state-of-the-art boring techniques and comprehensive monitoring systems, IEUA aims to ensure sustainable water management practices, enhance drought resilience, and protect the long-term health of Chino Basin aquifers. This project represents a significant step towards our continued efforts to secure a reliable and clean water supply for the community and the environment.

PROJECT OBJECTIVES

- **Objective:** Accurately measure groundwater levels and subsurface conditions
- **Objective:** Capture critical water quality data to assess aquifer health and sustainability
- **Objective:** Identify potential replenishment well locations



TODAY'S PROGRAM

WELCOME AND RECOGNITION

Shivaji Deshmukh, P.E.

General Manager

Inland Empire Utilities Agency

PLEDGE OF ALLEGIANCE

Randall Reed

Board President

Cucamonga Valley Water District

AGENCY REMARKS

Marco Tule

Board President

Inland Empire Utilities Agency

E. Joaquin Esquivel

Chair

California State Water Resources Control Board

Edgar Tellez Foster, PhD

Water Resource Management & Planning Director

Chino Basin Watermaster

Adel Hagekhalil

General Manager & CEO

Metropolitan Water District of Southern California

PHOTOS AND REFRESHMENTS



ABOUT THE PROJECT

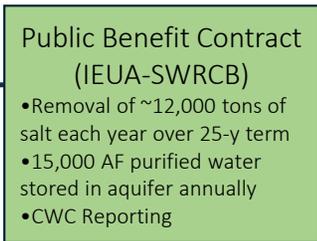
Three exploratory boring wells will be used to collect soil data, downhole geophysical data, depth specific water samples, and measure aquifer properties by permeability testing. This data can also be used to design full-scale aquifer replenishment wells. If suitable, the exploratory boring wells will be expanded to a slightly larger diameter and constructed as monitoring wells for future data collection. Future data needs include water level trends for observing groundwater rise and fall associated with the program operation, and water quality trends both for current and future changes in water quality. These wells can also be used for operational indicators such as water levels being out of operational range or compliance wells used to track permit limits and the travel time of the injected water.

By utilizing the full capabilities of exploratory boring technology and monitoring wells, IEUA can accurately examine subsurface aquifer conditions for future water treatment and storage needs.



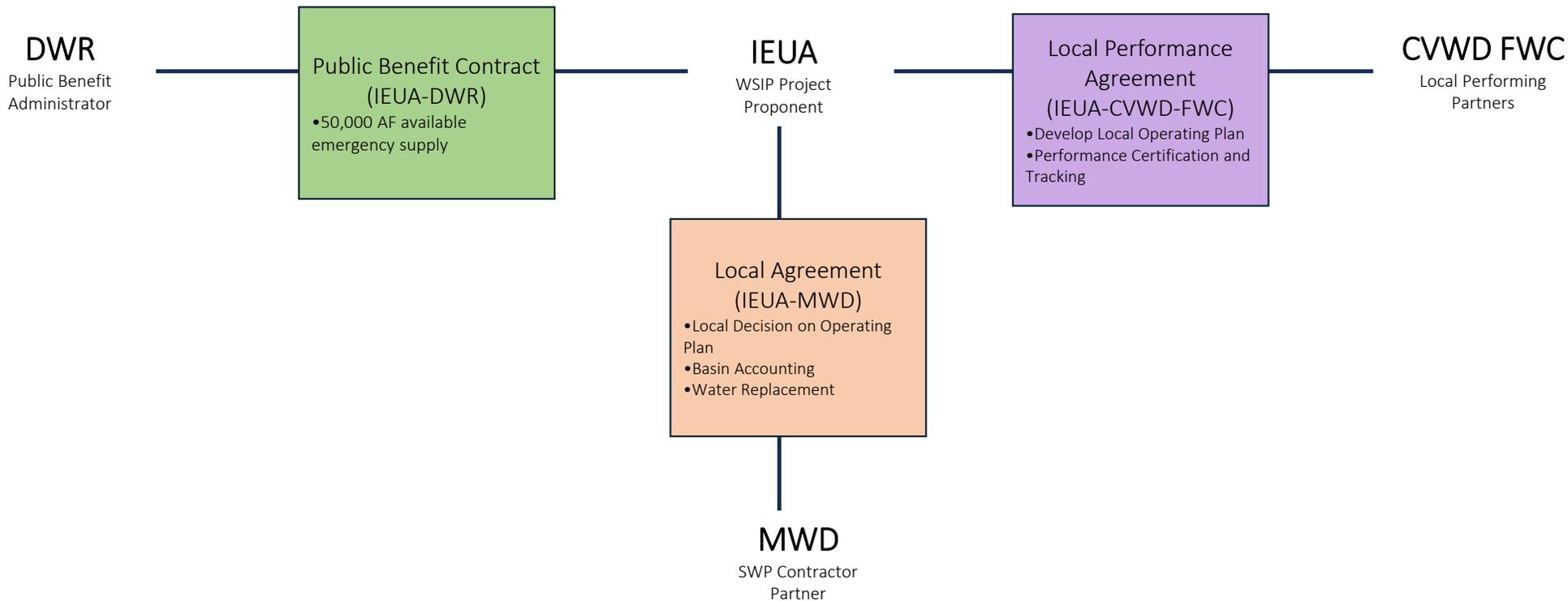
Parties and Agreements to Implement the Chino Basin Program SWRCB CAPB

SWRCB
Public Benefit
Administrator

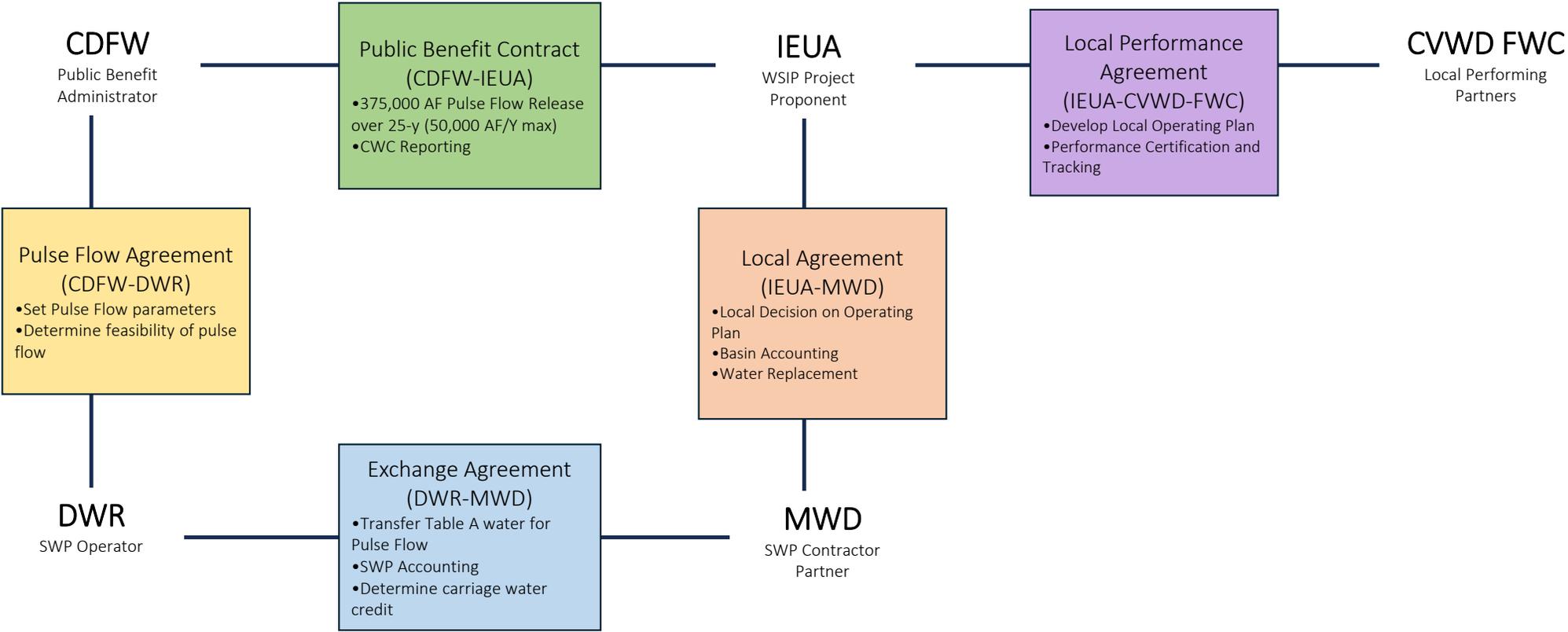


IEUA
WSIP Project
Proponent

Parties and Agreements to Implement the Chino Basin Program DWR CAPB



Parties and Agreements to Implement the Chino Basin Program CDFW CAPB



Parties' Roles & Responsibilities

IEUA

WSIP Project Proponent

1. Track and report CBP account to CWC & Public Benefit Administrators
 - Amount of water treated & stored in aquifer annually (15,000 AF/Y; total 375,000 AF)
 - Certification of local performance in pulse year
 - Reconciliation of carriage water credits in pulse year
2. Coordinate with local partners (CVWD | FWC)
 - Develop local performance pulse year Operating Plan
3. CBP Operating Committee Coordination with MWD
 - Approval of local performance pulse year Operating Plan

MWD

SWP Contractor Partner

1. Determine if SWP allocation is sufficient for Table A transfer
 - Coordinate transfer with DWR
2. CBP Operating Committee Coordination with IEUA
 - Approval of local performance pulse year Operating Plan
 - Track and coordinate pump-in supplies
3. MWD facilitates transfer of SWP Table A allocation for pulse flow release
 - Max 50,000 AF/pulse; (25-y total of 375,000 AF)

CVWD | FWC

Local Performing Agencies

1. IEUA coordinates repayment to MWD
 - Local performance up to 40,000 AF/pulse year (30,000 AF in-lieu | 10,000 AF pump-in to MWD)

CWC

WSIP Administrator | CAPB reporting to State

1. Administer funding for program construction
2. Ensure IEUA performance on CAPBs post-construction over 25-y term

CDFW

Public Benefit Administrator: Pulse Flow CAPB

1. Request pulse flow from IEUA (max 50,000 AF/call; 375,000 AF total over 25-y term)
2. Develop Pulse Flow release plan in coordination with DWR
3. Track, report and adaptively manage environmental benefits from pulse flow release
4. Verify IEUA reporting

SWRCB

Public Benefit Administrator: Water Quality CAPB

1. Verify IEUA reporting of AWPf treated water and quantities stored in Chino Basin aquifer
 - Removal of ~12,000 tons of salt each year
 - Groundwater storage of 15,000 AF/Y purified water

DWR

Public Benefit Administrator:
Emergency Supply CAPB

1. Verify emergency water use/availability (50,000 AF total)

DWR

SWP Operator

1. Establish SWP allocation for Contractors
2. Determine feasibility of CDFW Pulse Flow release
3. Transfer water from MWD to the State
4. Operate SWP to perform Pulse Flow
5. Determine Carriage Water Transfer Credit allotment and coordinate with USBR for WSIP projects