



**AGENDA
SPECIAL WORKSHOP OF THE
INLAND EMPIRE UTILITIES AGENCY*
BOARD OF DIRECTORS**

**THURSDAY, AUGUST 4, 2022
4:00 P.M.**

**CHINO HILLS COMMUNITY CENTER
GREAT OAKS HALL
14250 PEYTON DRIVE
CHINO HILLS, CALIFORNIA 91709**

The public may participate in-person and provide public comment during the meeting. 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 OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS WORKSHOP

FLAG SALUTE

PUBLIC COMMENT

At a Special Board meeting, members of the public may address the Board on any item listed on the agenda. Comments will be limited to three minutes per speaker.

1. WORKSHOP ITEM

A. CHINO BASIN PROGRAM UPDATE (POWERPOINT)

ADJOURN

*A Municipal Water District

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 at Chino Hills Community Center, 14250 Peyton Drive, Chino Hills, CA and on the Agency's website at www.ieua.org at least twenty-four (24) hours prior to the special 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.

**WORKSHOP
ITEM**

1A

Chino Basin Program

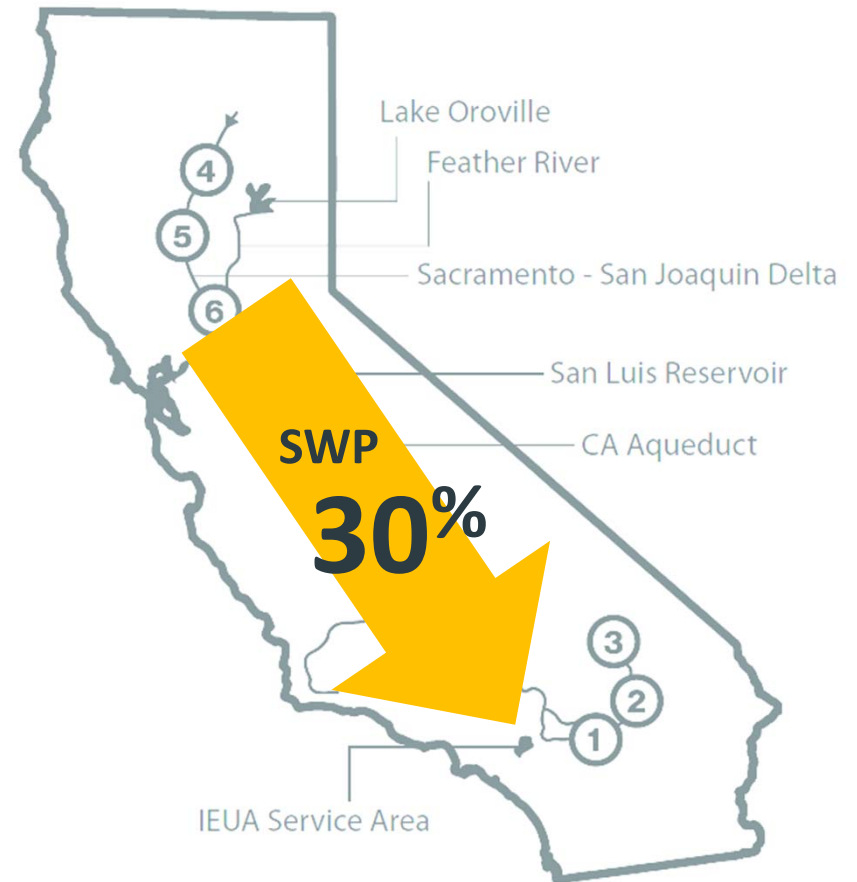

August 2022





Current Conditions

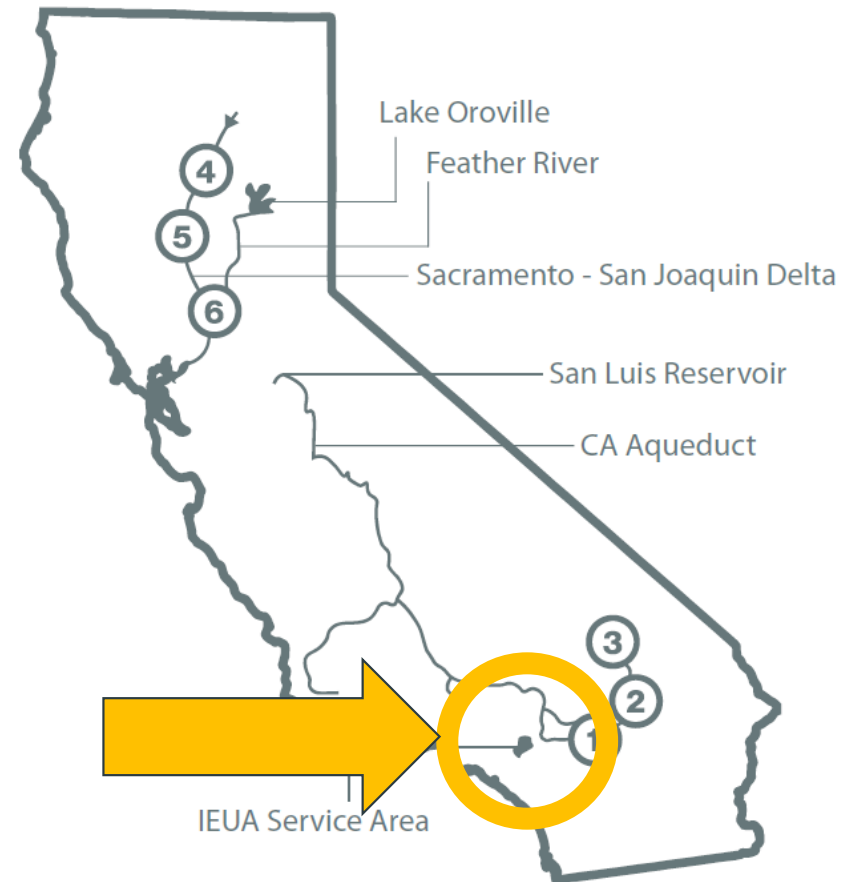
- Today, the Chino Basin relies upon imported water from the State Water Project (SWP) for **30% of its water supplies**
- Sometimes, drought restrictions limit the amount of water available from the SWP
- What will we rely on when water imports are limited?



Chino Basin Program

Chino Basin Program (CBP) adds infrastructure so we can treat and store water locally:

- CBP builds **Advanced Water Purification Facilities** to treat recycled water, providing access to currently untapped supply
- CBP builds **injection and extraction wells** to store and retrieve the treated water
- CBP builds a **distribution system** to convey the treated water



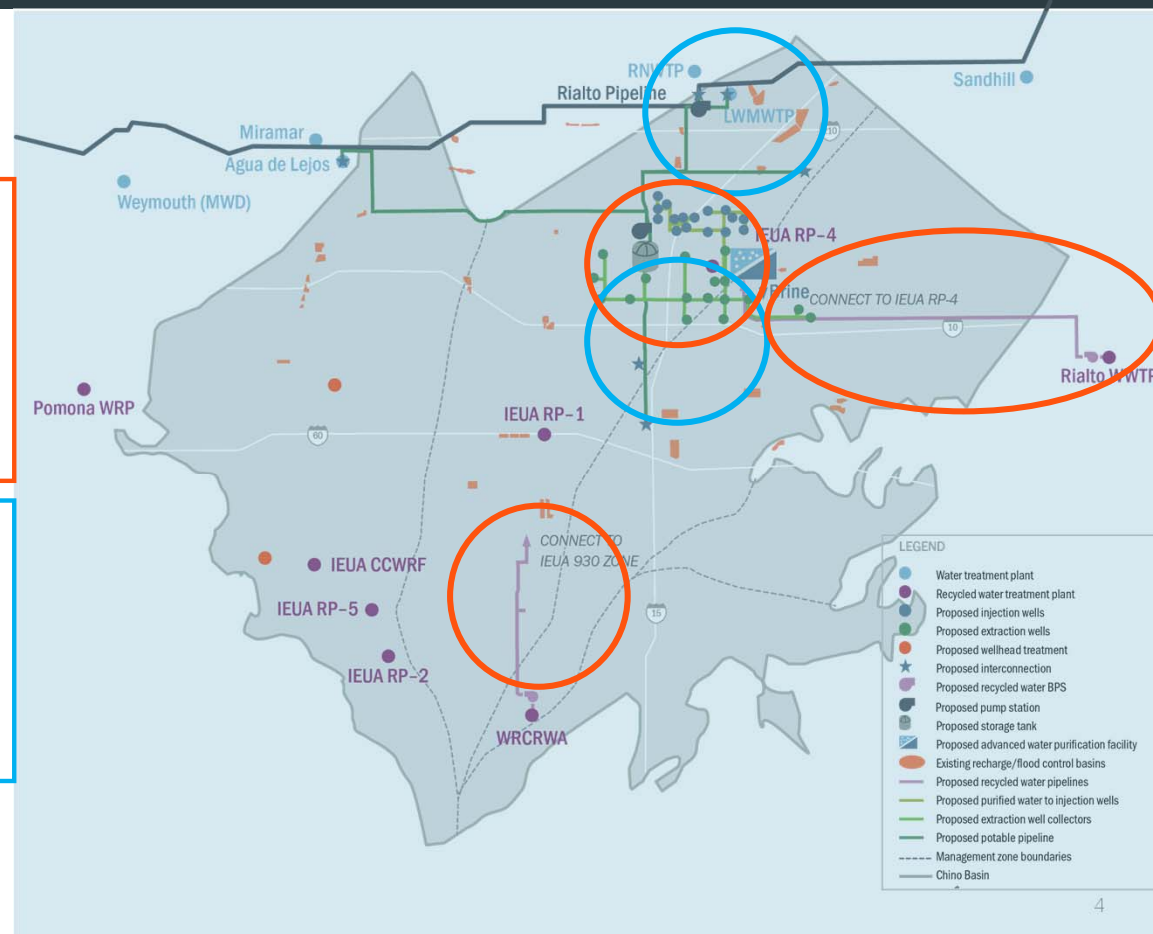


CBP— Local Facilities Overview

Facilities:

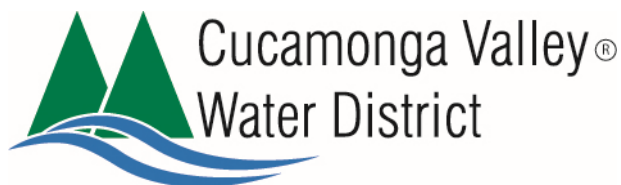
- 17,000 AF/year AWPF at RP-4
 - 11,000 AF/year IEUA partners' recycled water
 - 6,000 AF/year external water supply sources
- Advanced treated recycled water pipeline
- Injection wells

- 40,000 AF/year Extraction wells
- Potable water pipelines & Reservoir
- Interconnection to Metropolitan's Rialto Pipeline





Chino Basin Program Partners



Service Beyond Expectation



Proudly serving Jurupa Valley and Eastvale



**THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA**





Imported Water Supplies Comparison

IEUA Water Agency	FY 20/21 Imported Water Purchases	% Water Supply
Chino	4,700	22%
Chino Hills	1,500	10%
CVWD ¹	34,400	69%
FWC ¹	14,400	35%
MVWD ²	6,100	36%
Ontario	5,900	14%
Upland	4,400	23%
Total	71,400	

Notes:

¹ Includes MWD Tier 1 Imported Water & Dry Year Yield purchases

² MVWD imported water includes sales to Chino Hills

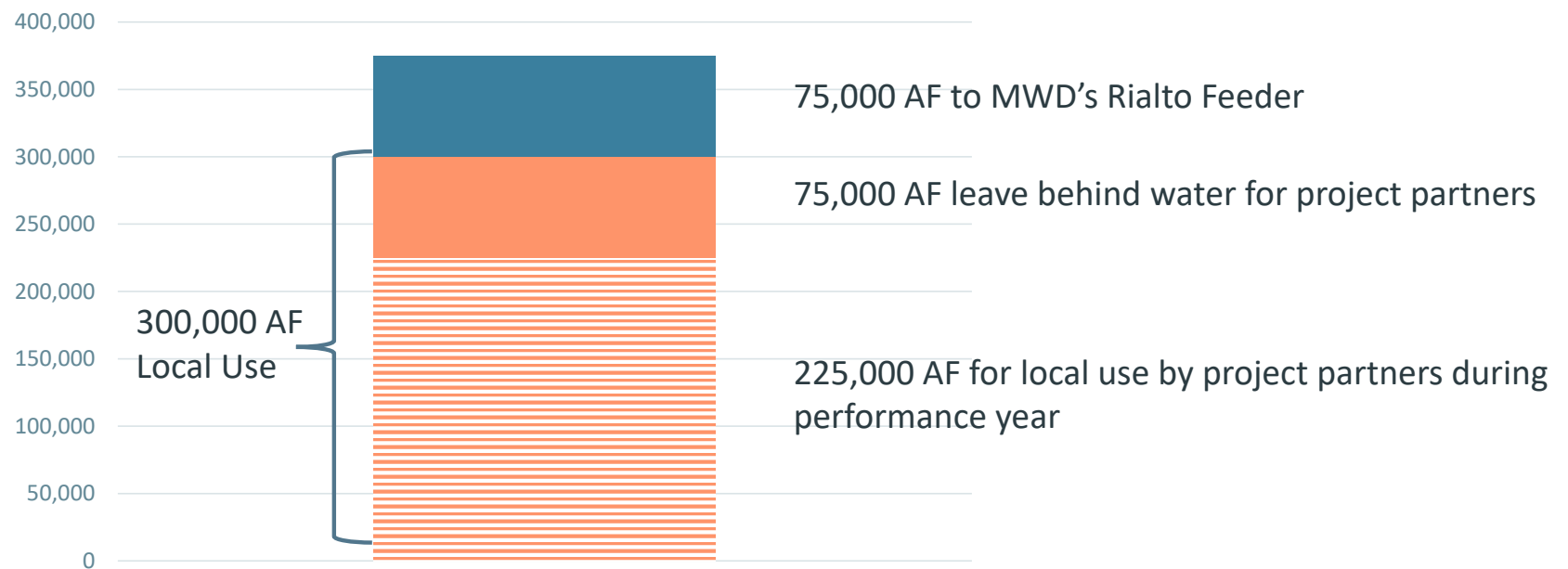


Typical Recycled Water Use (Based on FY 2020-21)

Contracting Agency	Base First Right of Purchase (AF)	Current Use (Direct + Recharge)	% Beneficial Use	Opportunity to Increase Recycled Water Use (AF)
Chino	6,207	5,643	91%	564
Chino Hills	5,055	3,132	62%	1,923
CVWD	13,194	5,041	38%	8,153
Fontana	11,004	3,610	33%	7,394
Montclair	2,546	1,080	42%	1,466
Ontario	12,854	12,276	96%	578
Upland	5,289	2,303	44%	2,986
<i>IEUA & SB County</i>		<i>905</i>		
<i>Creek Discharge</i>		<i>20,364</i>		
Total	56,150	33,085		23,065



CBP Generates 300,000 AF for Local Use over the 25-year term





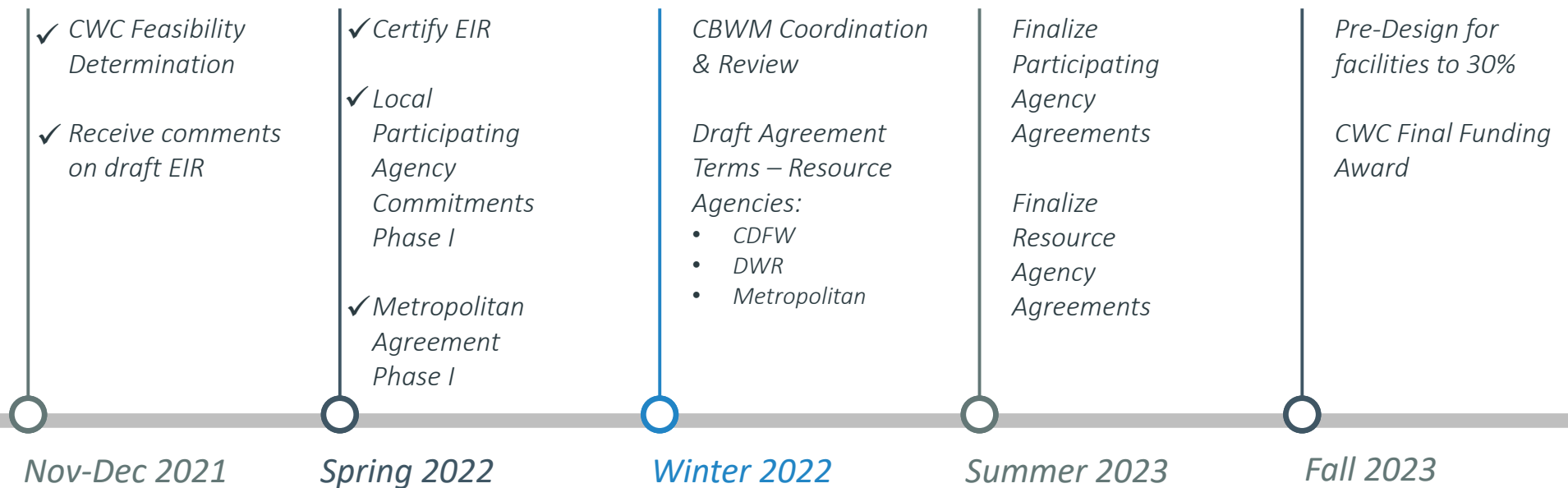
CBP Preliminary Design Schedule

Project Components

	2022				2023				2024	
	spring	summer	fall	winter	spring	summer	fall	winter	spring	summer
Rialto RW external supply	Preliminary Design Work				Design/Construction. --> Start Up: 2028					
Advanced Water Purification Facility										
15,000 AF Injection Wells										
40,000 AF Extraction Wells										
CBP Interconnection to MWD Rialto Pipeline										
JCSD RW external supply										



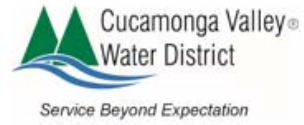
CBP Agreements Schedule





Upcoming Event

- August 17th CBP Expo
IEUA Event Room
8:30 am to 9:45 am



Questions?



Additional Information & Reference Materials



CBP PUT Facilities Overview: *AWPF, Injection Wells & Pipelines*

Advanced Water Purification Facility @ RP-4

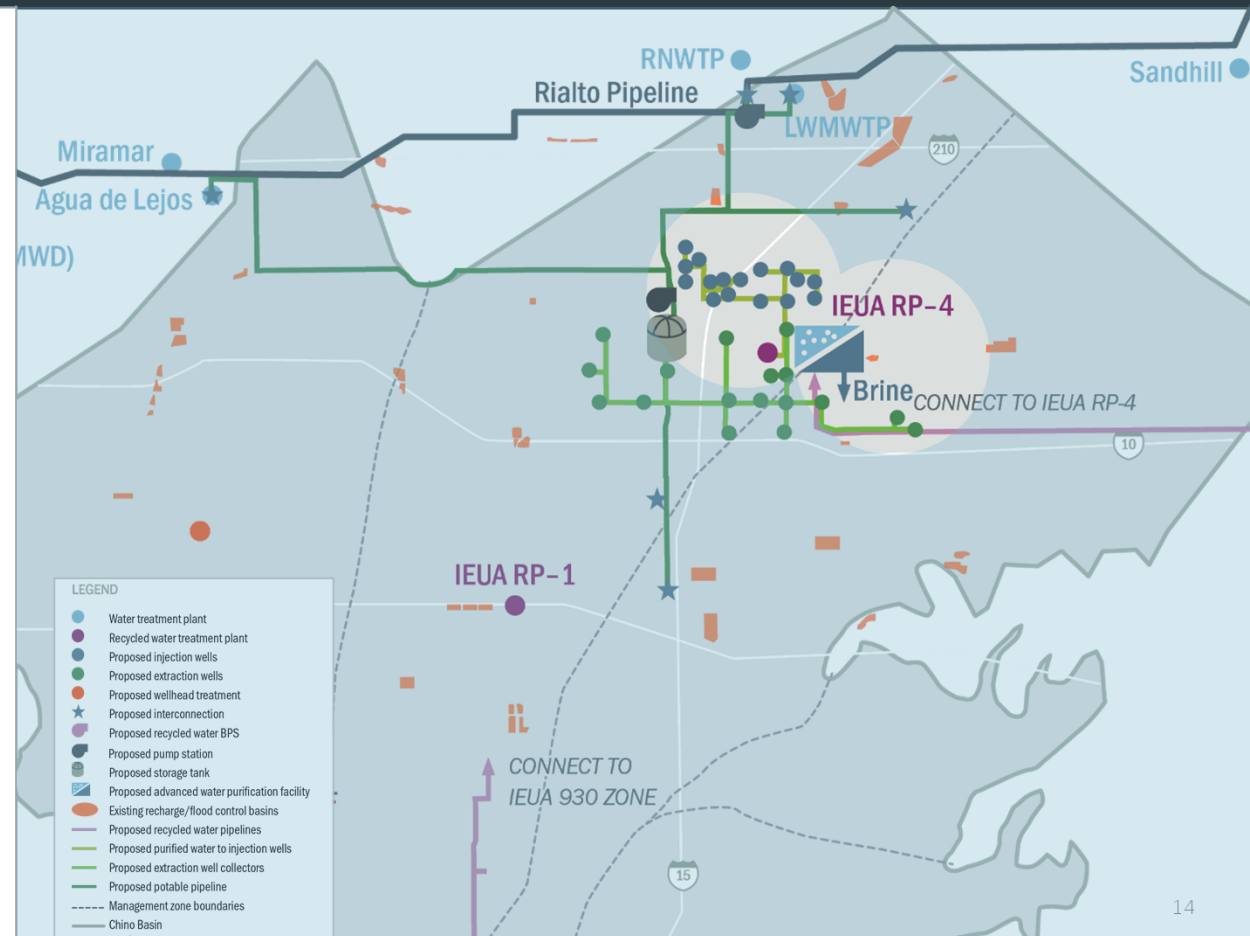
- Treatment process: MF/RO/UV-AOP
- Capacity of 17,000 AF/Y; 15,000 AF/Y Product Water
- Pump Station
- Brine disposal to north NRWS

Pipelines: 7 miles, 8"-30" to injection wells

Injection Wells in Chino Basin MZ-2

- 16 injection wells
- 4 monitoring wells
- 2.5MG equalization tank

Location: Rancho Cucamonga, Chino Basin MZ2





CBP PUT Facilities Overview:

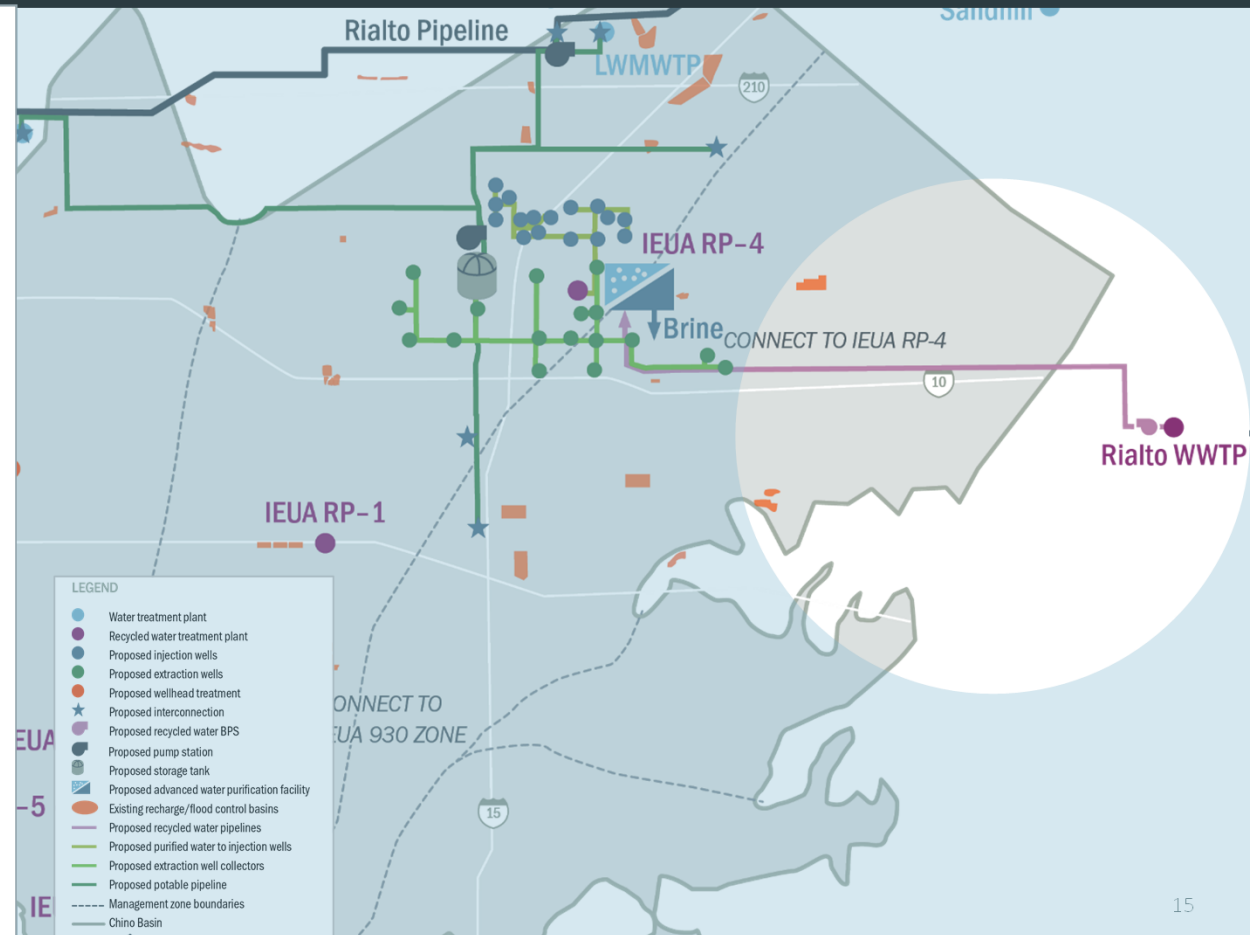
City of Rialto Recycled Water Interconnection

Water Supply: 3,500 AF/Y (6.2 MGD)
May-Oct

Pipeline

- 11 miles of 24"
- Connection to AWPf at RP-4
- Location: Rialto, Fontana, Rancho Cucamonga

Pump Station: 11.7 MGD at Rialto WWTP





CBP PUT Facilities Overview:

JCSD/WRCWRA Recycled Water Interconnection

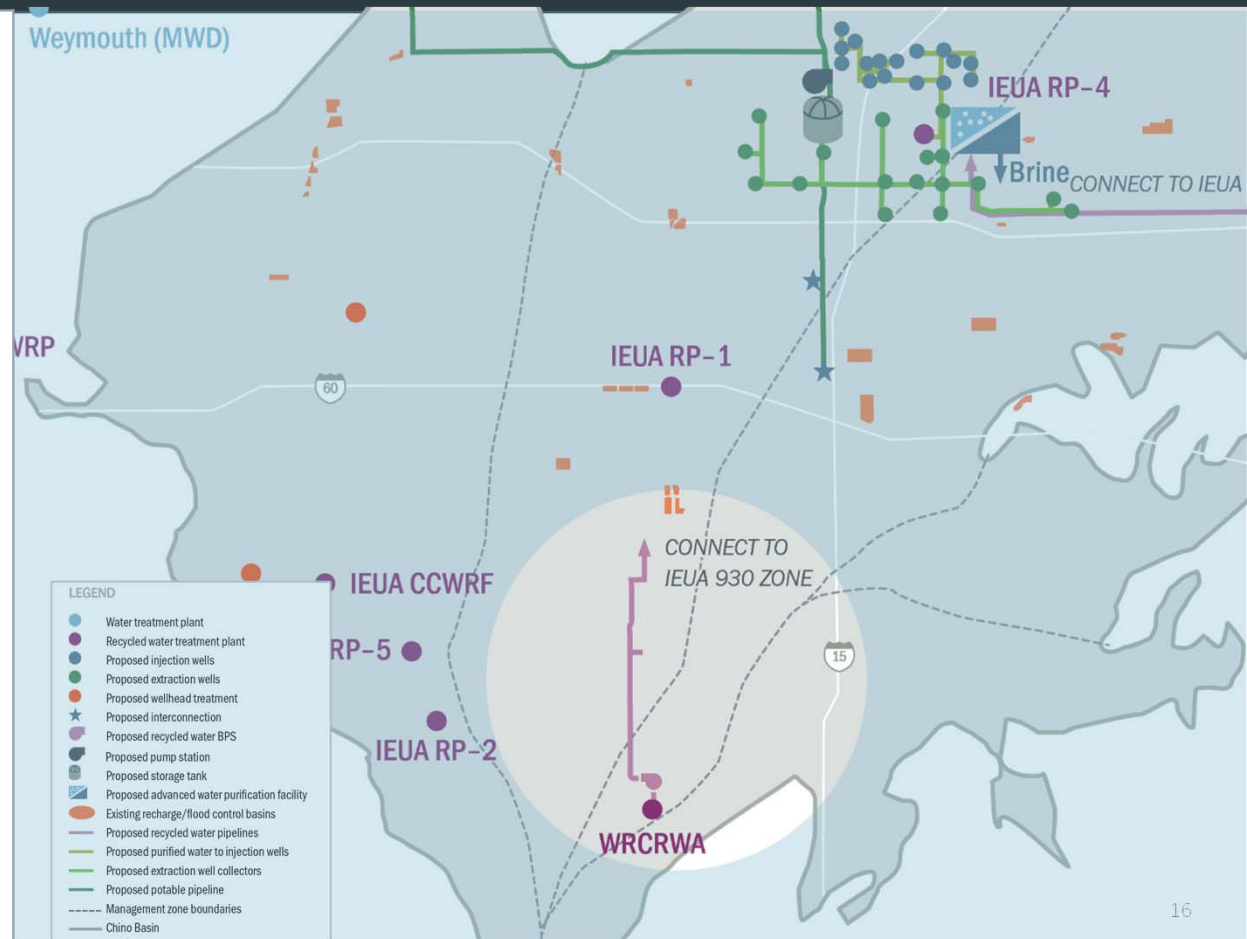
(under discussion)

Water Supply: 2,500 AF/Y (4.5 MGD)
May-Oct

Pipeline

- 3 miles of 24"
- Connection to IEUA's 930 Zone (north of 930/800 PRV)
- Location: Eastvale, Chino, Ontario

Pump Station: 7 MGD in WRCWRA plant





CBP TAKE Facilities Overview:

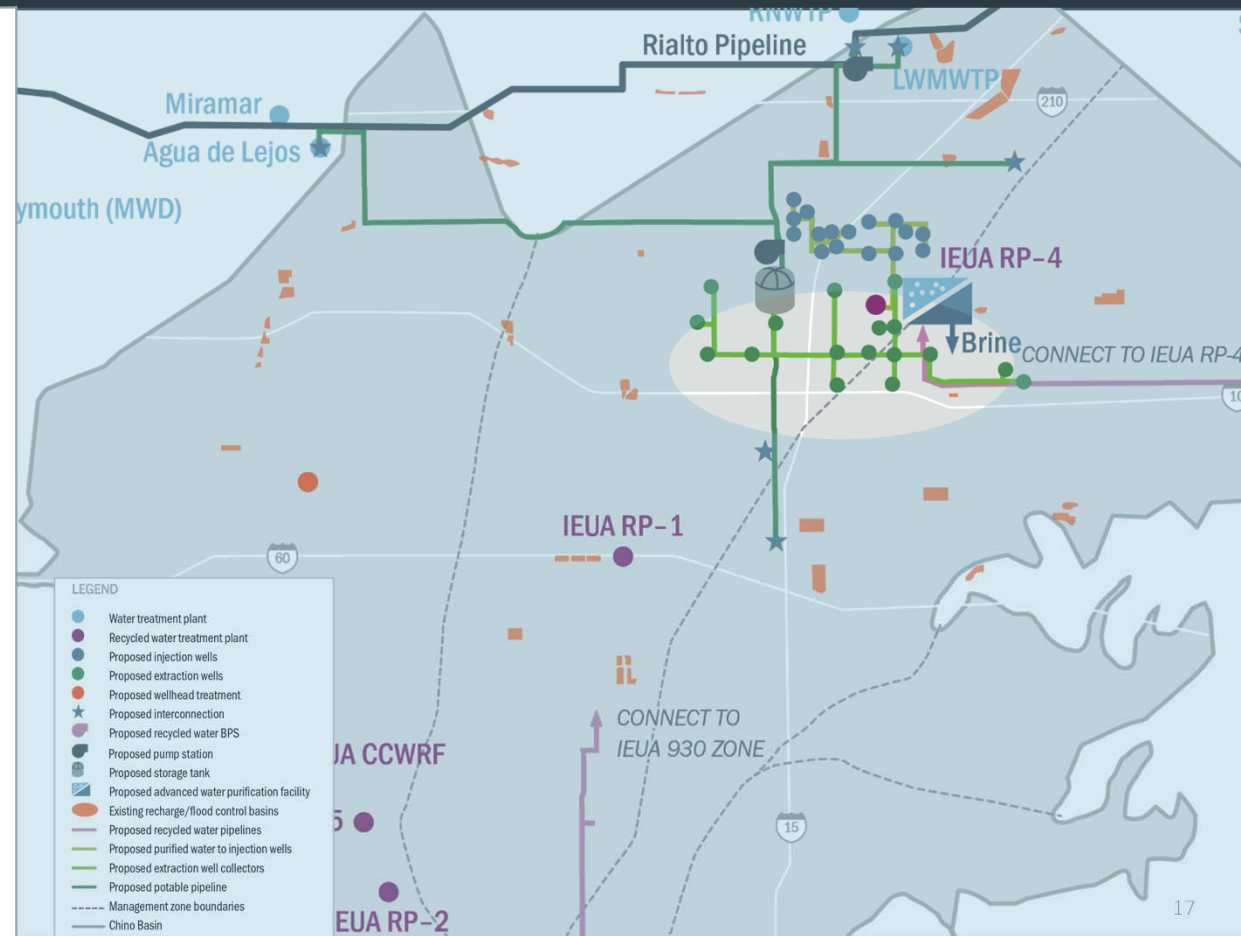
Extraction Wells, Potable Water Pipelines & Reservoir

Wells:

- 17 wells (12 operating, 5 redundant)
- 2,000 gpm capacity for each well
- 40,000 AF annual pumping capacity
- Location: Rancho Cucamonga, Fontana, Ontario

Pipelines:

- 12 miles of 12" to 48" collector pipelines
- 5MG storage tank
- Booster pump station





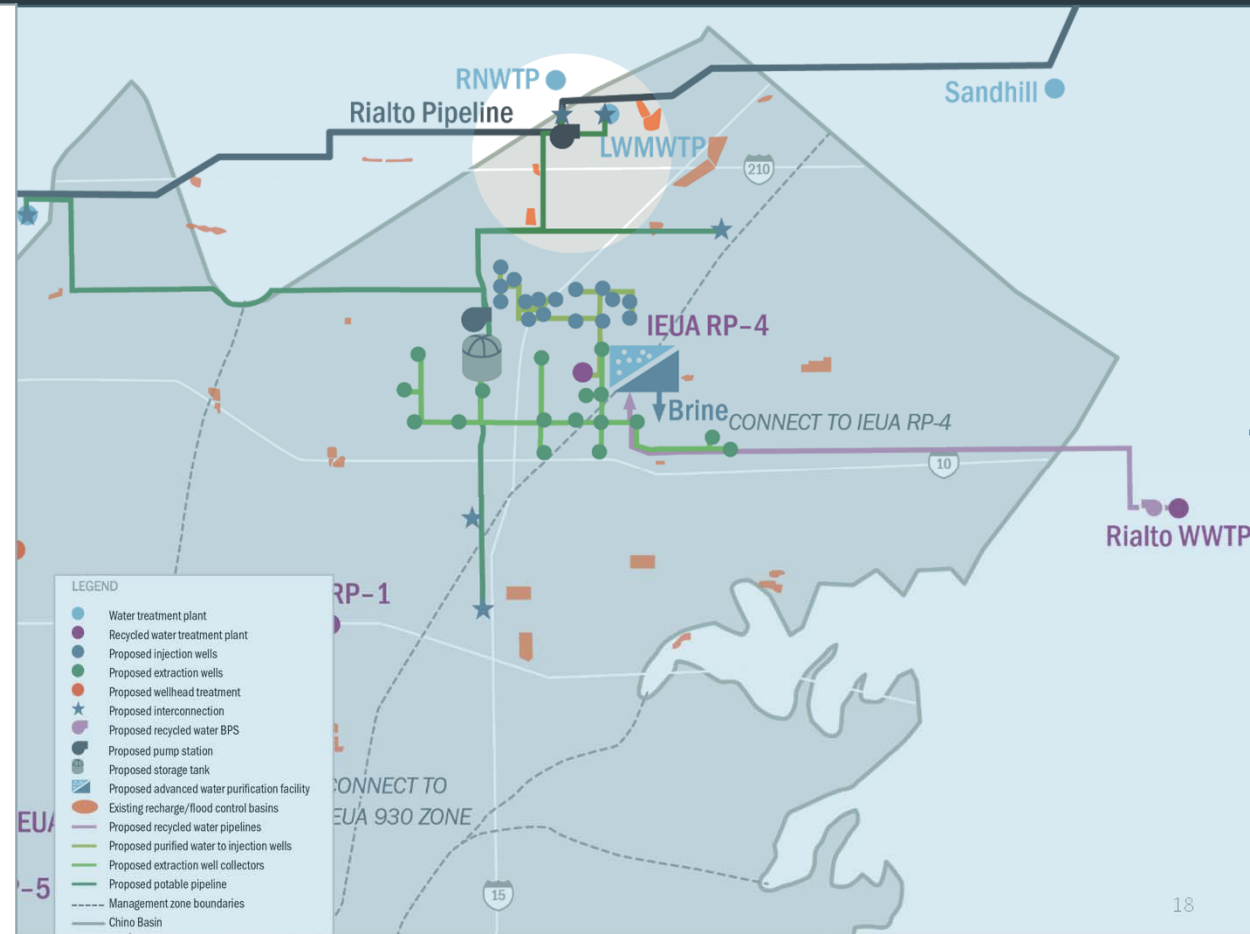
CBP TAKE Facilities Overview:

MWD Rialto Pipeline Interconnection

Connection capacity of 10,000 AF/Y

Location: Lloyd Michaels Treatment Plant clearwell to the Rialto Pipeline

Pipeline: 0.8 miles of 24" with a 24" interconnection





Imported Water Supplies Comparison

IEUA Water Agency	FY 20/21 Imported Water Purchases	% Water Supply
Chino	4,700	22%
Chino Hills	1,500	10%
CVWD ¹	34,400	69%
FWC ¹	14,400	35%
MVWD ²	6,100	36%
Ontario	5,900	14%
Upland	4,400	23%
Total	71,400	

Notes:

¹ Includes MWD Tier 1 Imported Water & Dry Year Yield purchases

² MVWD imported water includes sales to Chino Hills



Imported Water Offset Scenario with CBP Facilities

	Average Imported Water Purchases	CBP Call Year	Critically Dry/Drought (Non-Call Year)
Agency 1	10,000 AF	10,000 AF	10,000 - 13,000 AF
Agency 2	30,000 AF	20,000 AF	20,000 – 27,000 AF
MWD	-	10,000 AF	-
Total	40,000 AF	40,000 AF	40,000 AF