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](http://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](mailto: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
Now is the Time to Make Every Drop Count

**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 (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
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
Now is the Time to Make Every Drop Count

Chino Basin Program Partners

Cucamonga Valley Water District
Service Beyond Expectation

Jurupa Community Services District
Proudly serving Jurupa Valley and Eastvale

The Metropolitan Water District of Southern California

Inland Empire Utilities Agency
A Municipal Water District
### Imported Water Supplies Comparison

<table>
<thead>
<tr>
<th>IEUA Water Agency</th>
<th>FY 20/21 Imported Water Purchases</th>
<th>% Water Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chino</td>
<td>4,700</td>
<td>22%</td>
</tr>
<tr>
<td>Chino Hills</td>
<td>1,500</td>
<td>10%</td>
</tr>
<tr>
<td>CVWD(^1)</td>
<td>34,400</td>
<td>69%</td>
</tr>
<tr>
<td>FWC(^1)</td>
<td>14,400</td>
<td>35%</td>
</tr>
<tr>
<td>MVWD(^2)</td>
<td>6,100</td>
<td>36%</td>
</tr>
<tr>
<td>Ontario</td>
<td>5,900</td>
<td>14%</td>
</tr>
<tr>
<td>Upland</td>
<td>4,400</td>
<td>23%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>71,400</strong></td>
<td></td>
</tr>
</tbody>
</table>

**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)

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

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

- 300,000 AF Local Use
- 75,000 AF to MWD’s Rialto Feeder
- 75,000 AF leave behind water for project partners
- 225,000 AF for local use by project partners during performance year
# CBP Preliminary Design Schedule

## Project Components

<table>
<thead>
<tr>
<th>Project</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>spring</td>
<td>summer</td>
<td>fall</td>
</tr>
<tr>
<td>Rialto RW external supply</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Water Purification Facility</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15,000 AF Injection Wells</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>CBP Interconnection to MWD Rialto Pipeline</td>
<td></td>
<td></td>
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<tr>
<td>JCSD RW external supply</td>
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CBP Agreements Schedule

- ✓ CWC Feasibility Determination
- ✓ Receive comments on draft EIR

- ✓ Certify EIR
- ✓ Local Participating Agency Commitments Phase I
- ✓ Metropolitan Agreement Phase I

- CBWM Coordination & Review
  - Draft Agreement Terms – Resource Agencies:
    - CDFW
    - DWR
    - Metropolitan

- Finalize Participating Agency Agreements
  - Finalize Resource Agency Agreements

- Pre-Design for facilities to 30%
- CWC Final Funding Award

Nov-Dec 2021  Spring 2022  Winter 2022  Summer 2023  Fall 2023
Now is the Time to Make Every Drop Count

Upcoming Event

- August 17\textsuperscript{th}  
  CBP Expo  
  IEUA Event Room  
  8:30 am to 9:45 am
Now is the Time to Make Every Drop Count

Questions?
Additional Information & Reference Materials
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
Now is the Time to Make Every Drop Count

**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
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
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
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Imported Water Offset Scenario with CBP Facilities

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<th>CBP Call Year</th>
<th>Critically Dry/Drought (Non-Call Year)</th>
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<tbody>
<tr>
<td>Agency 1</td>
<td>10,000 AF</td>
<td>10,000 AF</td>
<td>10,000 - 13,000 AF</td>
</tr>
<tr>
<td>Agency 2</td>
<td>30,000 AF</td>
<td>20,000 AF</td>
<td>20,000 – 27,000 AF</td>
</tr>
<tr>
<td>MWD</td>
<td>-</td>
<td>10,000 AF</td>
<td>-</td>
</tr>
<tr>
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