



**AGENDA  
REGULAR WORKSHOP/MEETING OF THE  
BOARD OF DIRECTORS**

**WEDNESDAY, MARCH 2, 2022  
10:00 A.M.**

**INLAND EMPIRE UTILITIES AGENCY\*  
VIEW THE MEETING LIVE ONLINE AT IEUA.ORG  
TELEPHONE ACCESS: (415) 856-9169 / Conf Code: 811 003 35#**

PURSUANT TO AB361 AND RESOLUTION NO. 2022-2-1, ADOPTED BY THE IEUA BOARD OF DIRECTORS ON FEBRUARY 2, 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](mailto:dgarzaro@ieua.org) prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Board of Directors.

**CALL TO ORDER OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS WORKSHOP/MEETING**

**FLAG SALUTE**

**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 prior to the scheduled meeting time or address the Board during the public comments section of the meeting. Comments will be limited to three minutes per speaker. Thank you.

**ADDITIONS TO THE AGENDA**

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

\*A Municipal Water District

## **REPORT OF ACTIONS FROM CLOSED SESSION OF THE FEBRUARY 16, 2022 BOARD MEETING**

### **1. ACTION ITEMS**

#### **A. ADOPTION OF RESOLUTION NO. 2022-3-1, MAKING CERTAIN FINDINGS AND DETERMINATIONS REGARDING SPECIAL RULES FOR CONDUCTING MEETINGS THROUGH TELECONFERENCE**

Staff recommends that the Board adopt Resolution No. 2022-3-1, making certain findings and determinations regarding special rules for conducting meetings through teleconference.

#### **B. ADDITIONAL PROPOSED MAPS FOR REDRAWING OF ELECTION DIVISION BOUNDARIES**

Staff recommends that the Board select a preferred map for adoption (Map Option A, Map Option B, Map Option C, Map Option D, or Map Option E) or request revisions to one or more draft maps. Any such revisions would be brought back to the Board at a subsequent public hearing for approval.

### **2. WORKSHOP ITEM**

#### **A. IEUA RECYCLED WATER PROGRAM HISTORY AND FUTURE**

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

### **4. BOARD OF DIRECTORS' REQUESTED FUTURE AGENDA ITEMS**

### **5. DIRECTORS' COMMENTS**

## **ADJOURN**

### **Declaration of Posting**

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

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

**ACTION  
ITEM**

**1A**

**Date:** March 2, 2022

**To:** The Honorable Board of Directors

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

**Committee:**

**Executive Contact:** Shivaji Deshmukh, General Manager

**Subject:** Adopt Resolution No. 2022-3-1, Making Certain Findings and Determinations Regarding Special Rules for Conducting Meetings through Teleconference

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**Executive Summary:**

On March 4, 2020, Governor Newsom declared a state of emergency pursuant to Government Code 8625 due to the COVID-19 pandemic and recommended, together with local officials, measures for social distancing to assist in abating the spread of COVID-19; and on March 17, 2020, the Governor issued Executive Order N-29-20 which, among other things, suspended certain Brown Act rules governing the use of teleconferencing for local agency board meetings. Executive Order N-29-20 expired on September 30, 2021. In response to the ongoing COVID-19 pandemic, the California legislature enacted, and the Governor signed into law, AB 361 amending portions of Government Code 54953, allowing for the continued use of teleconferencing for local agency board meetings while suspending the conditions and restrictions of Government Code 54953(b)(3) if the legislative body of the local agency makes certain findings. The legislative body must make these findings every 30 days to continue the use of teleconferencing.

Staff is recommending that the Board of Directors makes the necessary findings and determinations and Adopt Resolution No. 2022-3-1 to continue to conduct meetings through teleconference for a period of 30 days.

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**Staff's Recommendation:**

Adopt Resolution No. 2022-3-1, Making Certain Findings and Determinations Regarding Special Rules for Conducting Meetings through Teleconference.

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

*Account/Project Name:*

*Fiscal Impact (explain if not budgeted):*

None.

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**Prior Board Action:**

The Board adopted Resolution No. 2021-10-1, making certain findings and determinations regarding special rules for conducting meetings through teleconference on October 6, 2021. On October 2, 2021, November 3, 2021, November 17, 2021, December 8, 2021, January 5, 2022, and February 2, 2022, the Board adopted Resolution Nos. 2021-10-1, 2021-11-6, 2021-11-1, 2021-12-1, 2022-1-1, and 2022-2-1, respectively, making continued findings and determinations regarding special rules for conducting meetings through teleconference.

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**Environmental Determination:**

Not Applicable

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**Business Goal:**

The Adoption of a Resolution to make findings for conducting meetings through teleconference is consistent with the IEUA's commitment to applying ethical, fiscally responsible, transparent and environmentally sustainable principles to all aspects of business and organizational conduct.

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**Attachments:**

Attachment 1 - Resolution No. 2022-3-1

## **RESOLUTION NO. 2022-3-1**

### **A RESOLUTION OF THE BOARD OF DIRECTORS OF THE INLAND EMPIRE UTILITIES AGENCY\*, SAN BERNARDINO COUNTY, CALIFORNIA, MAKING CERTAIN FINDINGS AND DETERMINATIONS REGARDING SPECIAL RULES FOR CONDUCTING MEETINGS THROUGH TELECONFERENCE**

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

**WHEREAS**, all meetings of the Board of Directors of IEUA are conducted in open and public settings in compliance with the Ralph M. Brown Act (Brown Act) so that any member of the public may attend, participate and watch the Agency’s Board of Directors conduct their business; and

**WHEREAS**, on March 4, 2020, the Governor declared a state of emergency pursuant to Government Code 8625 due to the COVID-19 pandemic and has recommended, together with local officials, measures for social distancing to assist in abating the spread of COVID-19; and

**WHEREAS**, on March 17, 2020, the Governor issued Executive Order N-29-20 which, among other things, suspended certain Brown Act rules governing the use of teleconferencing of local agency board meetings; and

**WHEREAS**, the California legislature has enacted, and the Governor has signed into law, AB 361 amending portions of Government Code 54953, allowing for the continued use of teleconferencing for local agency board meetings while suspending the conditions and restrictions of Government Code 54953(b)(3) if the legislative body of the local agency makes certain findings; and

**WHEREAS**, On October 6, 2021 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2021-10-1 making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, On November 3, 2021 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2021-11-6 again making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, On November 17, 2021 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2021-11-1 again making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, On December 8, 2021 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2021-12-1 again making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, On January 5, 2022 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2022-1-1 again making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, On February 2, 2022 the Board of Directors of the Inland Empire Utilities Agency approved Resolution 2022-2-1 again making certain factual findings, and authorizing the continued use of teleconferencing for IEUA Board meetings for an effective period of 30 days; and

**WHEREAS**, the Board of Directors must now determine whether to extend the effective period of Resolution 2022-3-1 for an additional 30 days, making the appropriate factual findings in support thereof;

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of the Inland Empire Utilities Agency hereby make the following findings and determinations:

**SECTION 1.** The Governor has proclaimed a state of emergency on March 4, 2020 which continues.

**SECTION 2.** The Governor and local officials have promoted the use of social distancing as a method to abate the spread of COVID-19 within the community. The Board of Directors finds that conducting in person meetings of the IEUA Board of Directors would be inimical to social distancing and would present imminent risks to the health or safety of the attendees and conducting meetings by teleconference would diminish that risk.

**SECTION 3.** The Board of Directors will continue to conduct Board meetings by teleconference in compliance with Government Code 54953(e) until such time as the Governor has terminated the state of emergency and the risk to health and safety of meeting attendees is sufficiently diminished or as otherwise required by law. Notice of meetings and posted agendas will contain information which allows members of the public to access the meeting and address the Board of Directors and offer public comment including an opportunity for all persons to attend via a call-in option or an internet-based service option.

**SECTION 4.** This Resolution shall take effect immediately upon its adoption and shall be effective for 30 days or until such time as the Board of Directors adopts a subsequent resolution in accordance with Government Code 54953(e)(3) to extend the time during which meetings of the Board of Directors may be conducted by teleconference without compliance with Government Code 54953(3)(b).

**ADOPTED** this 2<sup>nd</sup> day of March, 2022.

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

ATTEST:

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



STATE OF CALIFORNIA            )  
  )  
COUNTY OF SAN BERNARDINO )

I, Marco Tule, Secretary/Treasurer of the Inland Empire Utilities Agency\*, DO  
HEREBY CERTIFY that the foregoing Resolution being No. 2022-3-1, was adopted at a  
regular meeting on March 2, 2022, of said Agency by the following vote:

AYES:

NOES:

ABSENT:

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Marco Tule  
Secretary/Treasurer

(SEAL)

\*A Municipal Water District

**ACTION  
ITEM**

**1B**

**Date:** March 2, 2022

*ADD*

**To:** The Honorable Board of Directors

**From:** Shivaji Deshmukh, General Manager

**Committee:**

**Executive Contact:** Kathy Besser, Executive Manager of Ext. & Government Affairs/AGM

**Subject:** Additional Proposed Maps for Redrawing of Election Division Boundaries

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**Executive Summary:**

At a public hearing held during the February 16, 2022, Board meeting, the Board was asked to consider three different draft maps that adjusted the boundaries of the current division lines in accordance with the updated 2020 Census numbers.

Board members directed staff to create two additional maps that showed additional boundary line choices and bring them back to the Board on March 2, 2022, for further Board consideration. Proposed Revision D and Proposed Revision E are being submitted for further Board consideration or additional direction. Both maps comply with the Federal Voting Rights Act keeping majority-minority districts intact, as well as maintain a deviance of less than 10 percent between the most-populated and least-populated divisions.

Special districts with a November 8, 2022 election, must adopt the new division boundary map and send the newly approved boundaries to the County no later than April 17, 2022.

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**Staff's Recommendation:**

Select a preferred map for adoption (Map Option A, Map Option B, Map Option C, Map Option D, or Map Option E) or request revisions to one or more draft maps. Any such revisions would be brought to the Board at a subsequent public hearing for approval.

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

*Account/Project Name:*

*Fiscal Impact (explain if not budgeted):*

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**Prior Board Action:**

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**Environmental Determination:**

Not Applicable

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**Business Goal:**



Receiving Input on Proposed Maps for Redrawing of Election Division Boundaries is in line with the Business Practices Business Goal of Efficiency and Effectiveness by applying best industry practices in all processes to maintain or improve the quality and value of the services we provide to our member agencies and the public.

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








**Attachments:**

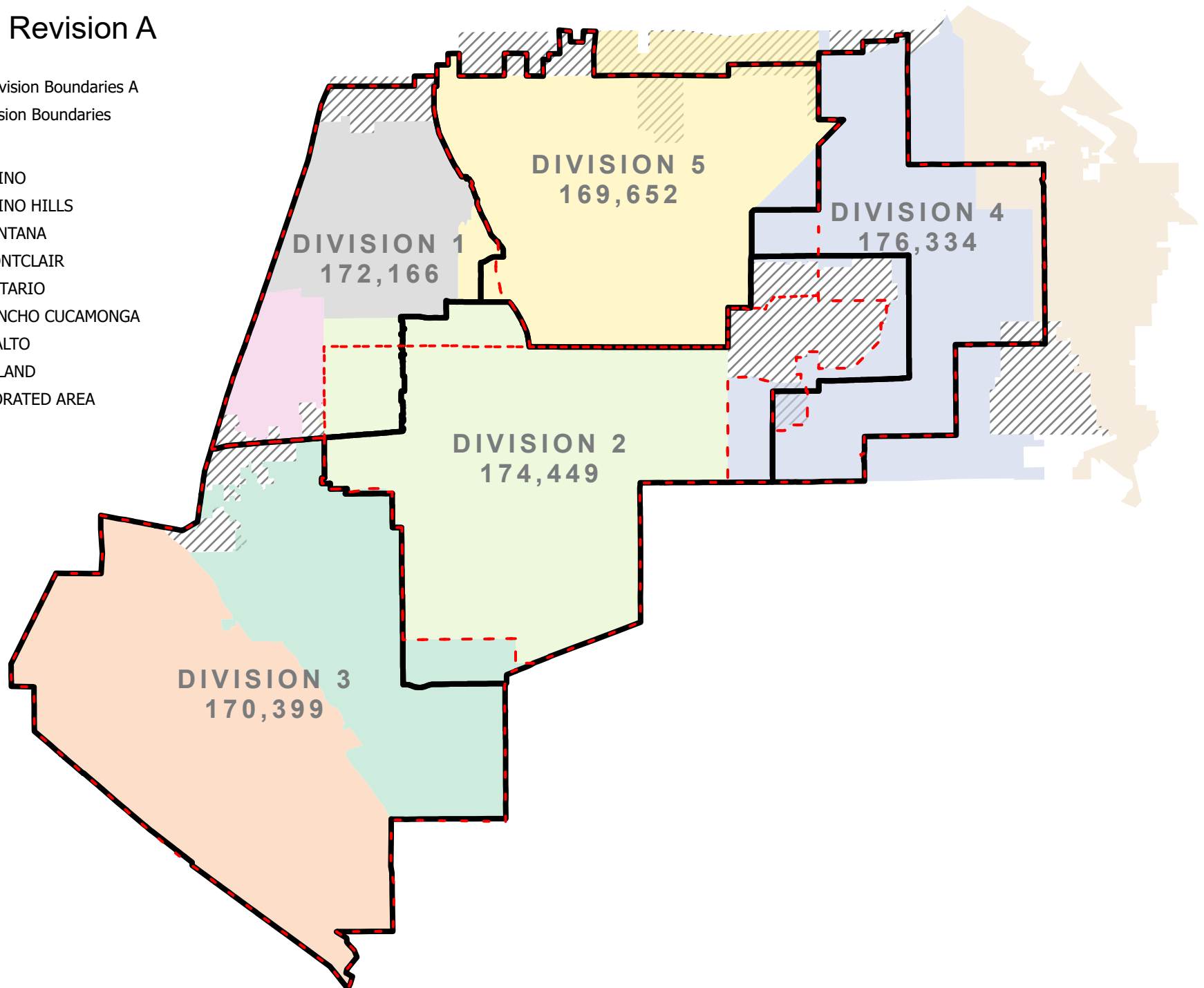
1. Proposed Division Boundaries Option A, Option B and Option C
2. Proposed Division Boundaries Option D and Option E

# Proposed Revision A



-  Proposed Division Boundaries A
-  Current Division Boundaries

## CITY LIMITS










-  CITY OF CHINO
-  CITY OF CHINO HILLS
-  CITY OF FONTANA
-  CITY OF MONTCLAIR
-  CITY OF ONTARIO
-  CITY OF RANCHO CUCAMONGA
-  CITY OF RIALTO
-  CITY OF UPLAND
-  UNINCORPORATED AREA

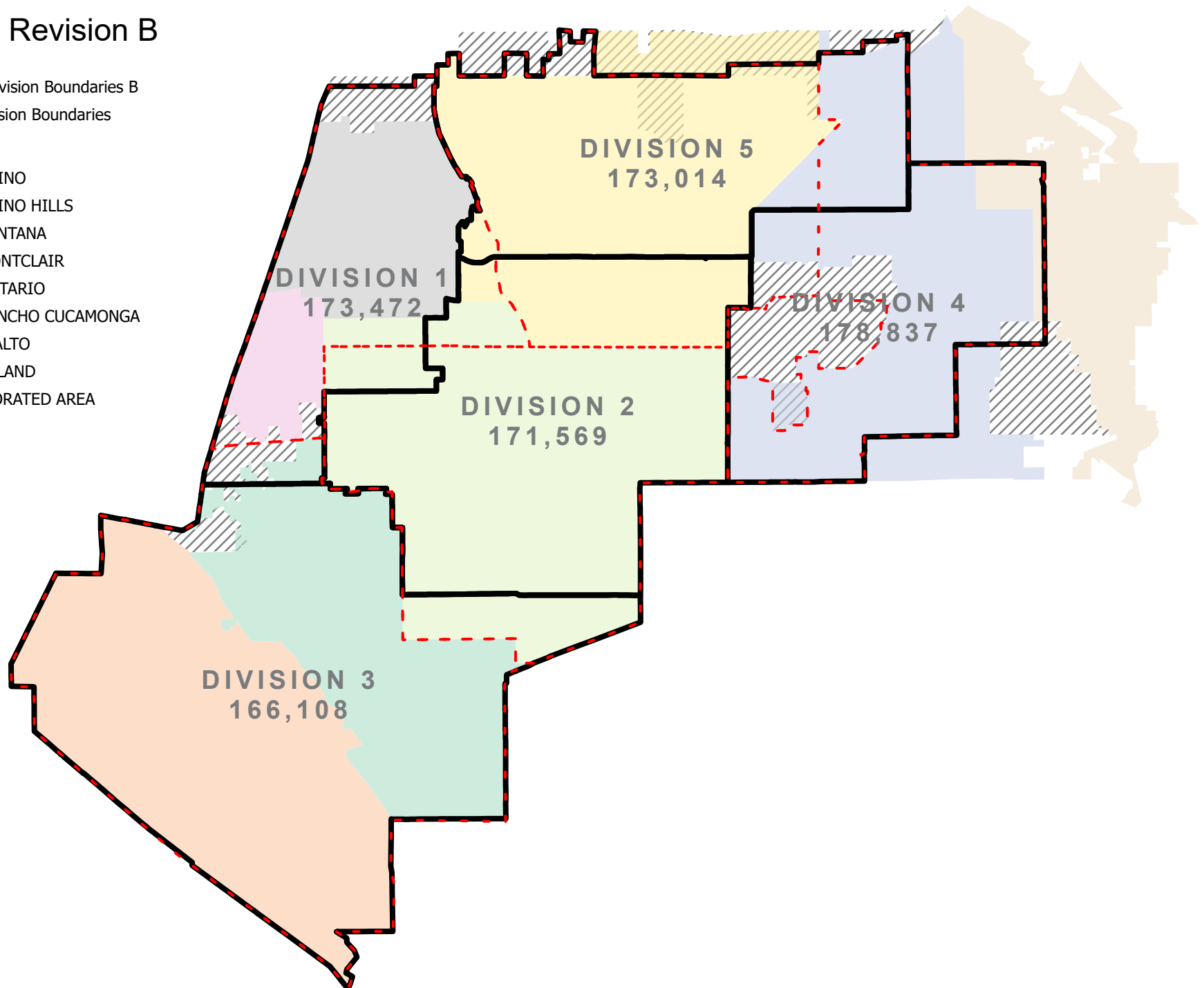


# Proposed Revision B



-  Proposed Division Boundaries B
-  Current Division Boundaries

## CITY LIMITS










-  CITY OF CHINO
-  CITY OF CHINO HILLS
-  CITY OF FONTANA
-  CITY OF MONTCLAIR
-  CITY OF ONTARIO
-  CITY OF RANCHO CUCAMONGA
-  CITY OF RIALTO
-  CITY OF UPLAND
-  UNINCORPORATED AREA

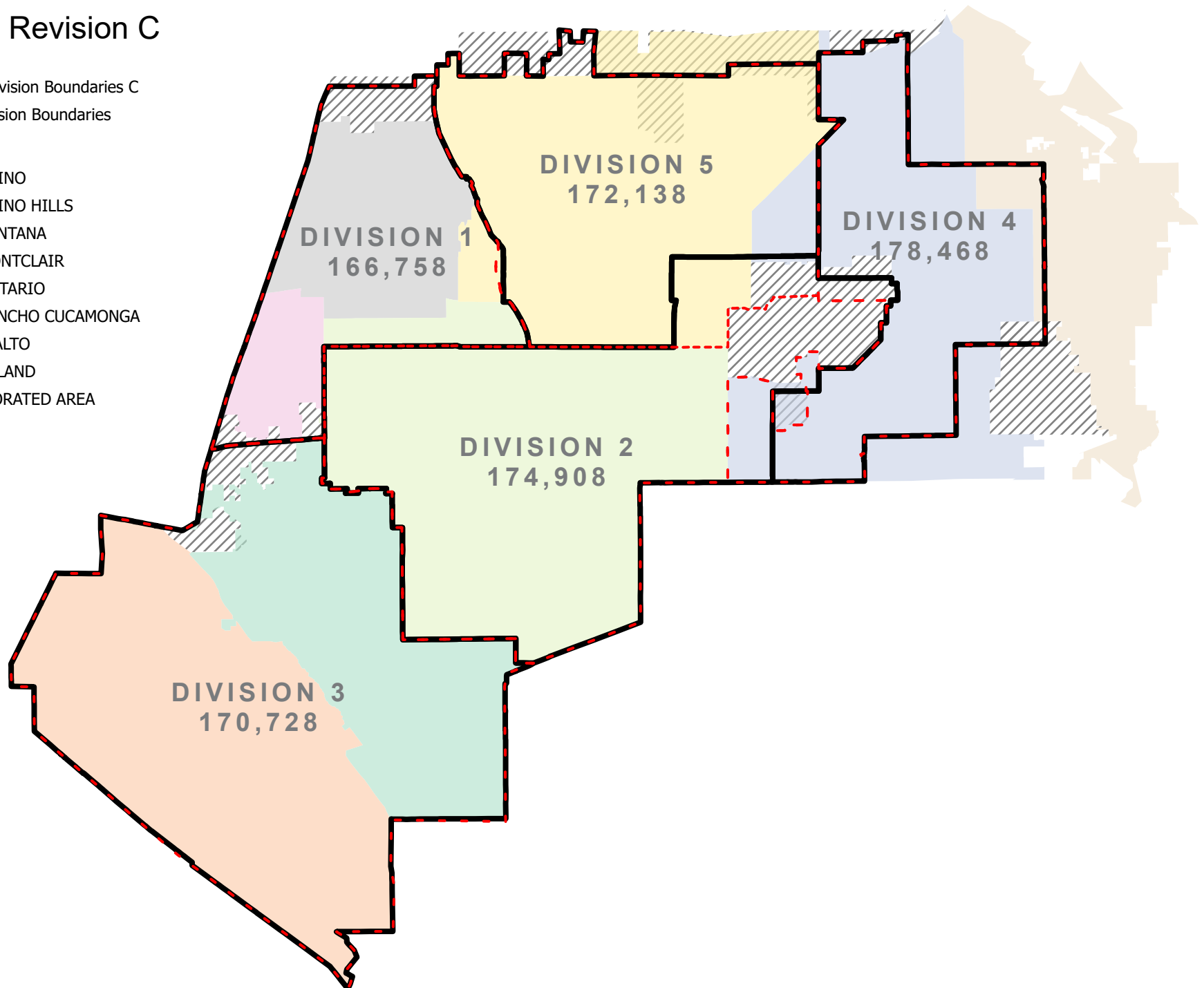


# Proposed Revision C

-  Proposed Division Boundaries C
-  Current Division Boundaries

## CITY LIMITS

-  CITY OF CHINO
-  CITY OF CHINO HILLS
-  CITY OF FONTANA
-  CITY OF MONTCLAIR
-  CITY OF ONTARIO
-  CITY OF RANCHO CUCAMONGA
-  CITY OF RIALTO
-  CITY OF UPLAND
-  UNINCORPORATED AREA

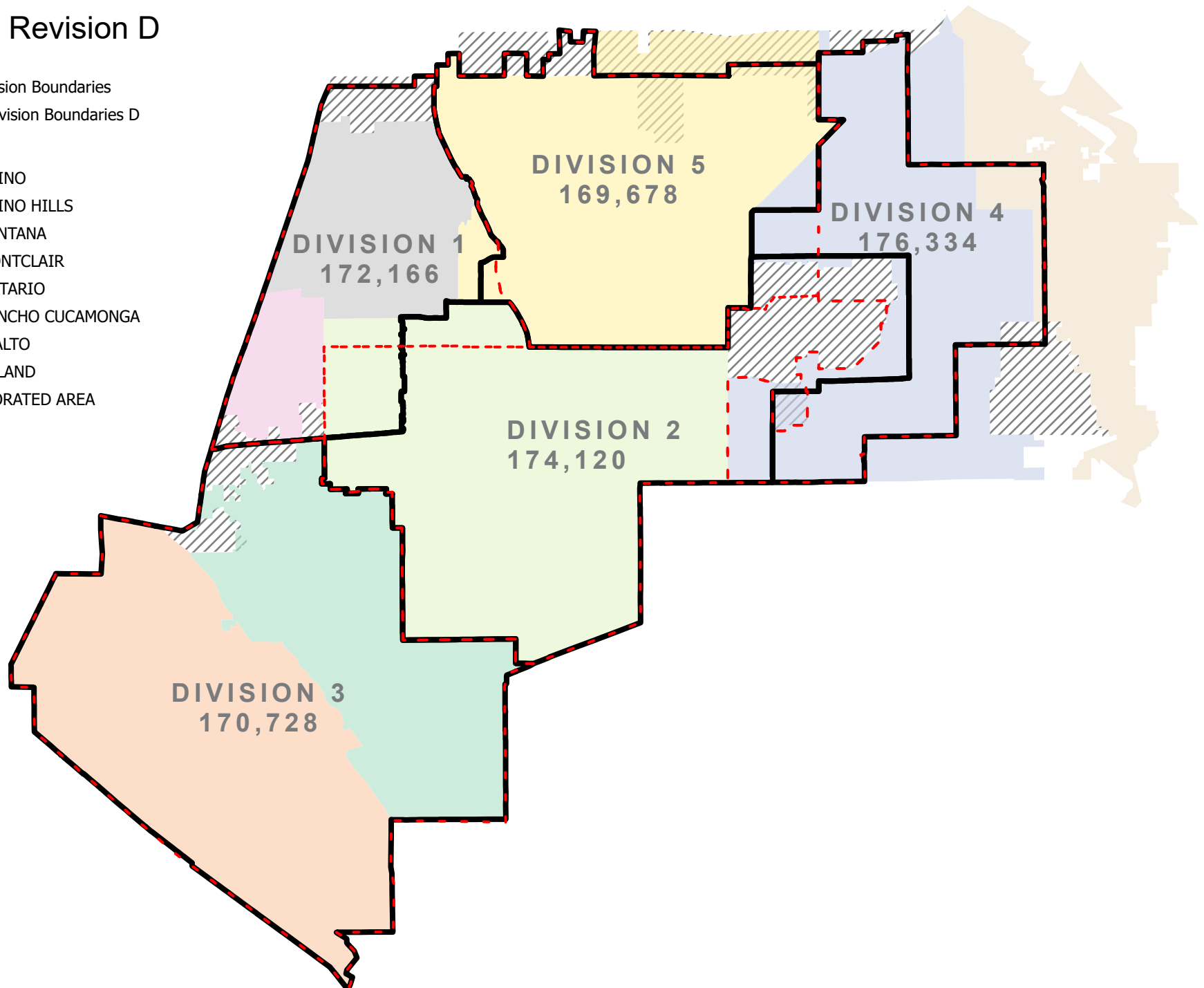


# Proposed Revision D

- - - Current Division Boundaries  
 Proposed Division Boundaries D

## CITY LIMITS

- CITY OF CHINO
- CITY OF CHINO HILLS
- CITY OF FONTANA
- CITY OF MONTCLAIR
- CITY OF ONTARIO
- CITY OF RANCHO CUCAMONGA
- CITY OF RIALTO
- CITY OF UPLAND
- UNINCORPORATED AREA



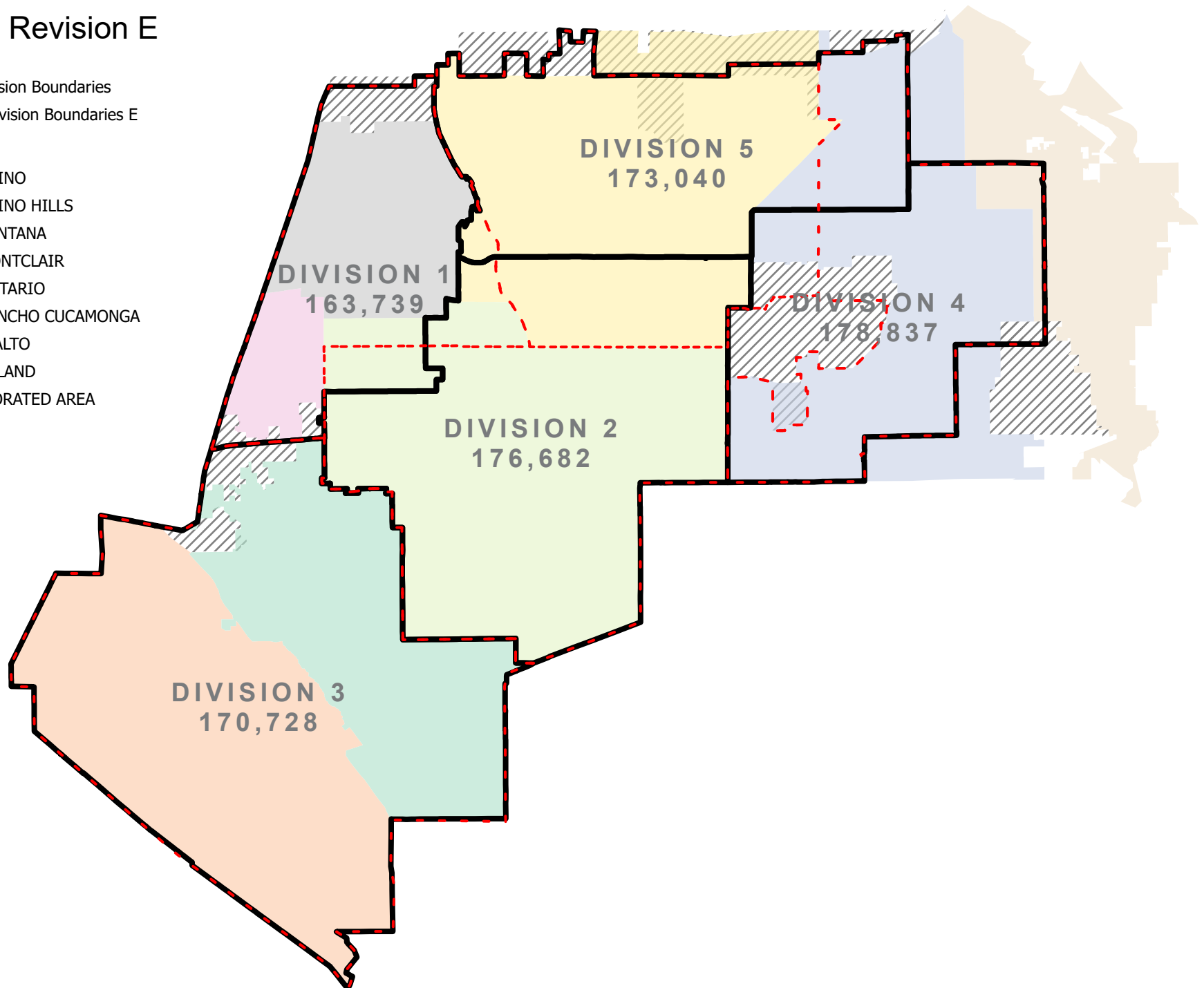


# Proposed Revision E

- Current Division Boundaries
- Proposed Division Boundaries E

## CITY LIMITS

- CITY OF CHINO
- CITY OF CHINO HILLS
- CITY OF FONTANA
- CITY OF MONTCLAIR
- CITY OF ONTARIO
- CITY OF RANCHO CUCAMONGA
- CITY OF RIALTO
- CITY OF UPLAND
- UNINCORPORATED AREA



**WORKSHOP  
ITEM**

**2A**



# Recycled Water Program History and Future

Planning & Resources  
Operations & Maintenance  
March 2022

# Topics

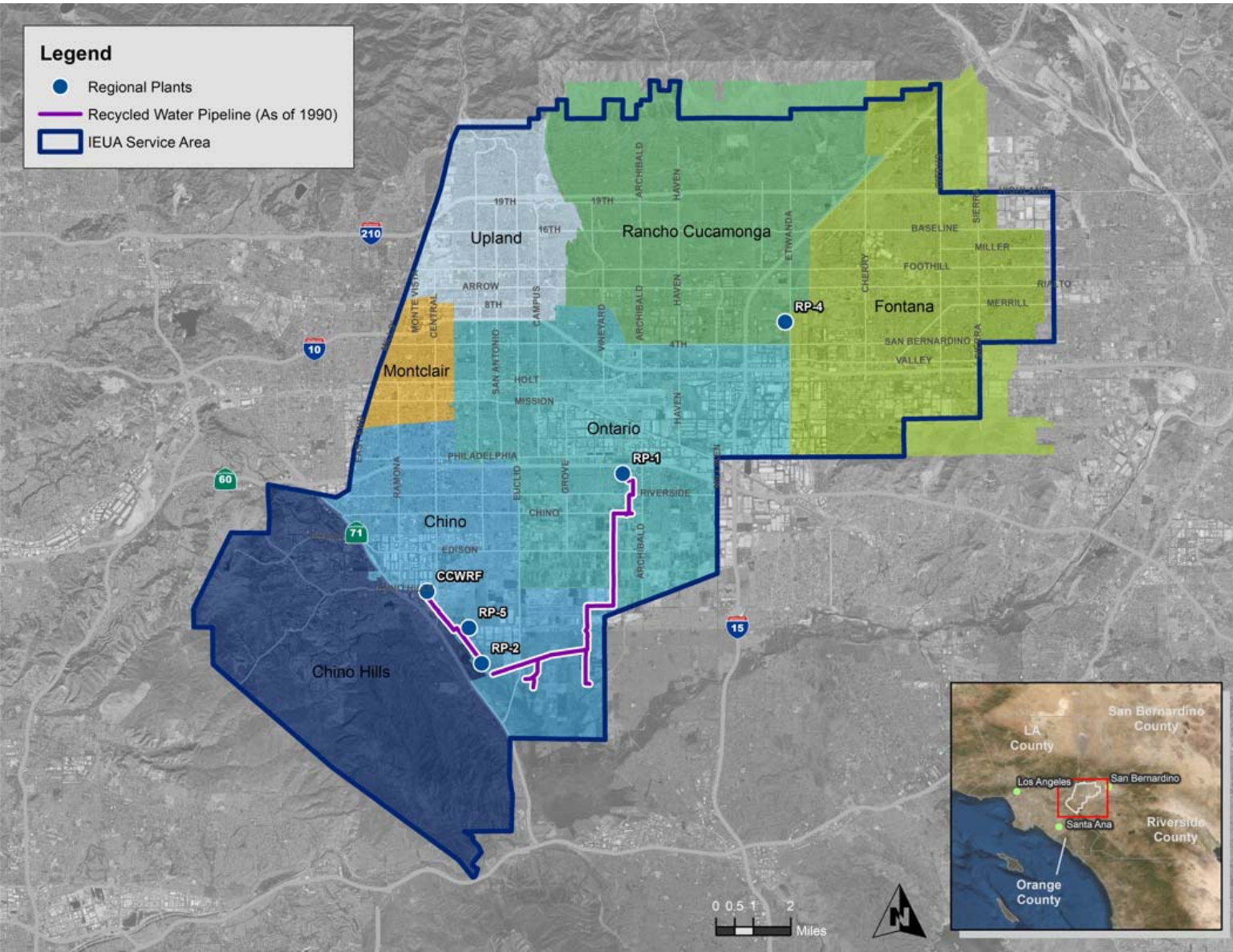
- Existing Program Overview
- Purchase Rights
- Rates
- Regulatory Compliance
- Short-Term Program Expansion
- Long-Term Program Opportunities

# Recycled Water Program Overview

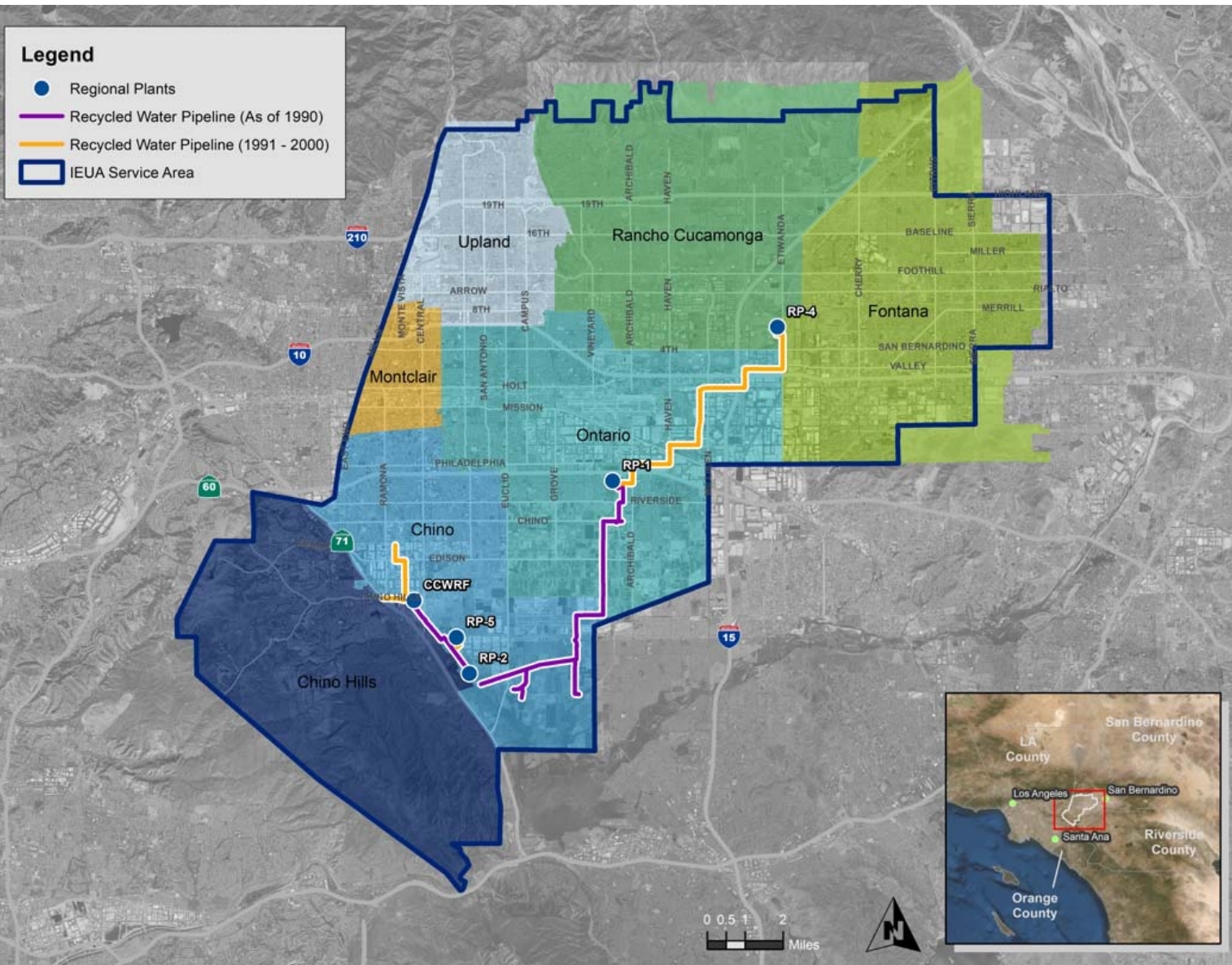


## Legend

- Regional Plants
- Recycled Water Pipeline (As of 1990)
- ▭ IEUA Service Area

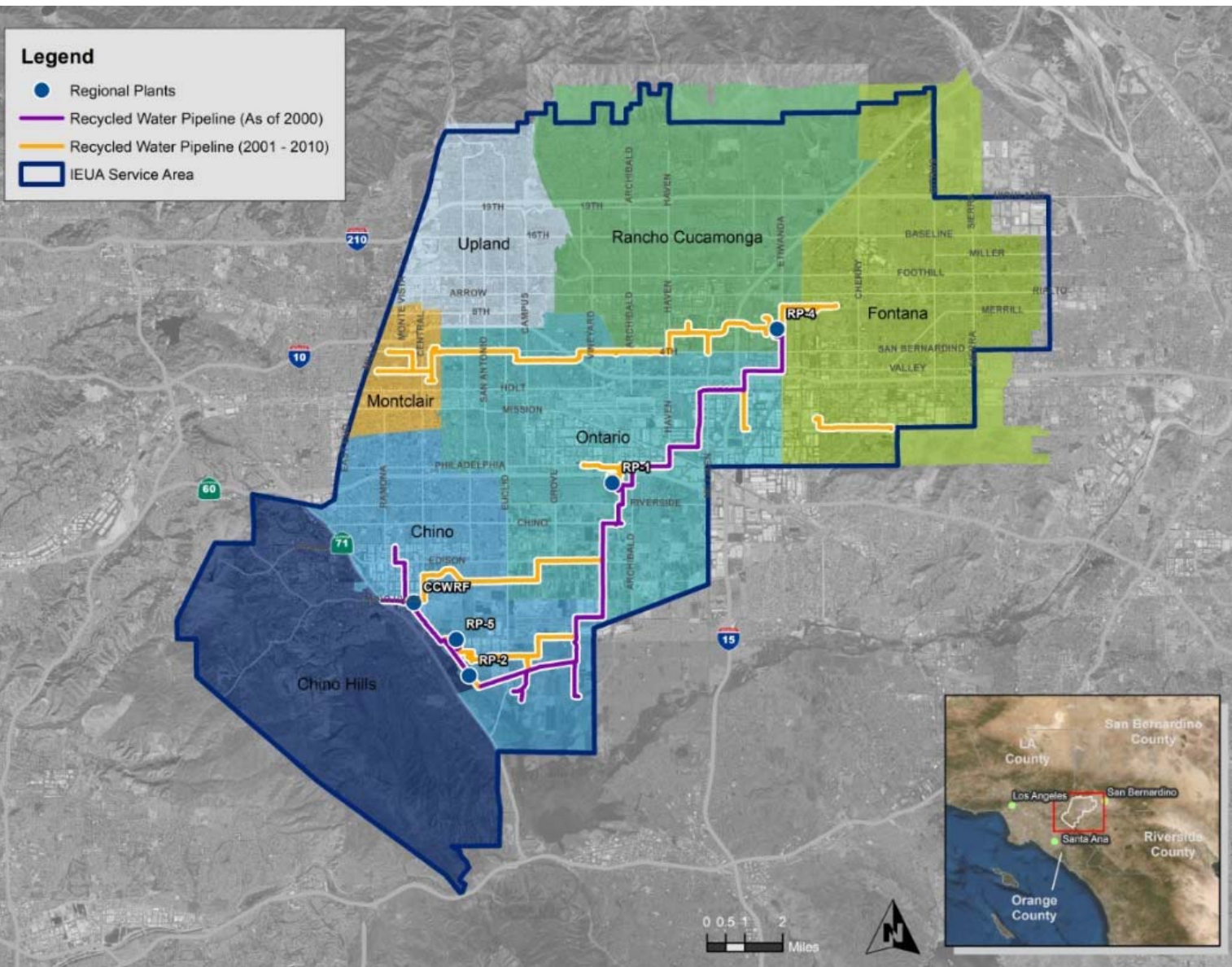


Recycled Water  
System as of:  
1990



## Recycled Water System: 1991-2000



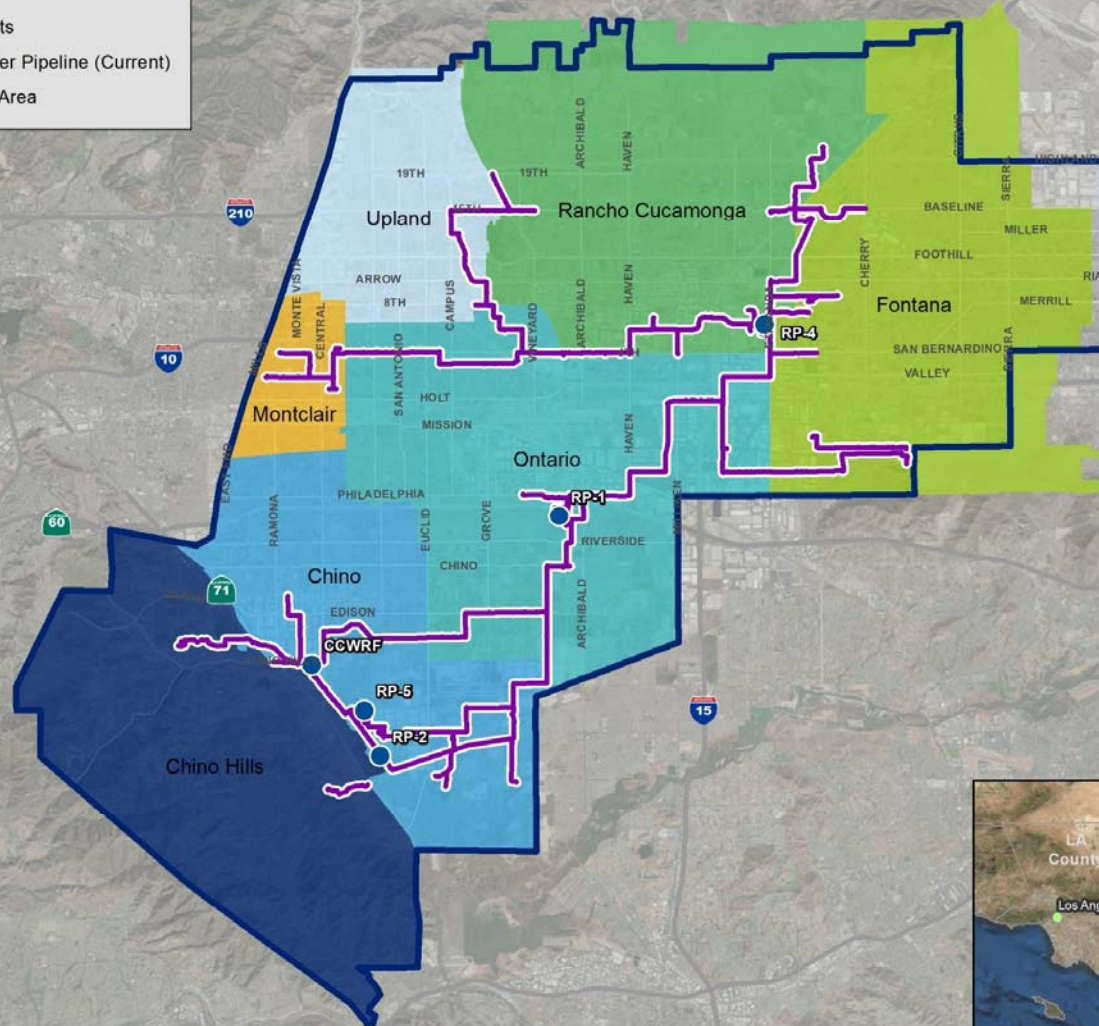


## Recycled Water System: 2001-2010



## Legend

- Regional Plants
- Recycled Water Pipeline (Current)
- ▭ IEUA Service Area



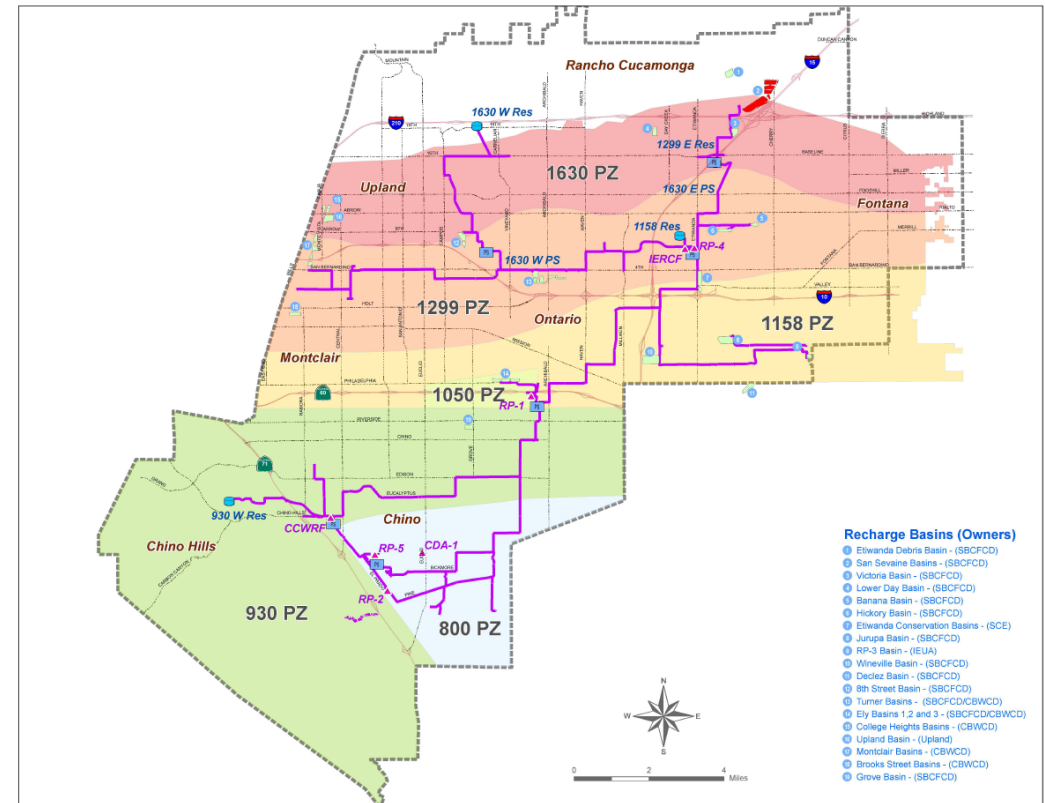
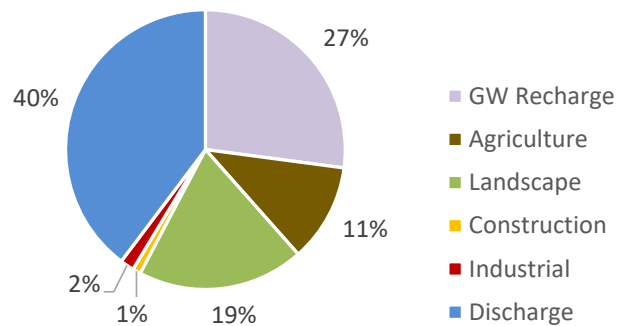
0 0.5 1 2  
Miles



## Recycled Water System: Current

# System Overview

- 90 miles of regional pipeline
- 6 pressure zones
- 9 pumping stations
- 5 reservoirs
- Over 1,300 connections





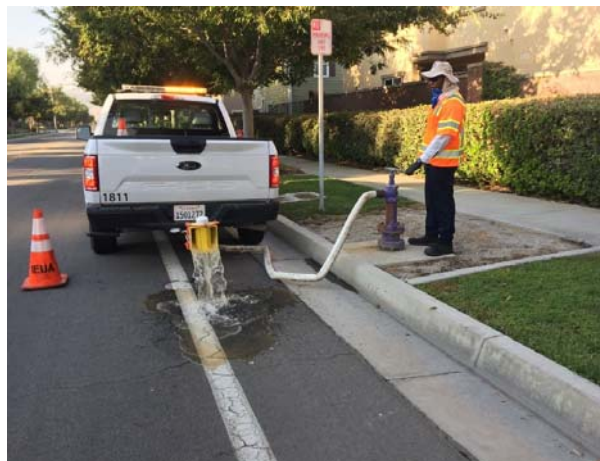
# Distribution System Maintenance

Over 1,000 appurtenances:

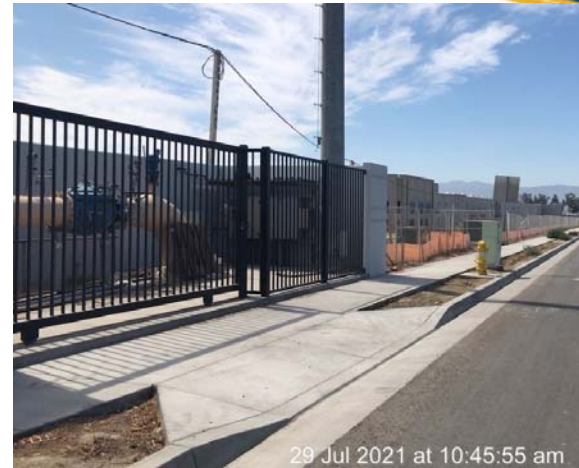
- Valve exercising
- Hydrant flushing
- Air relief maintenance
- Cathodic test stations

Emergency response

- Line breaks
- Sheared hydrants
- Leaking air reliefs



# Distribution System Growth





# Southern Pump Station Expansions



CCWRF pump station expansion was completed in 2015 increasing the capacity by 6 MGD



RP-5 pump station upgrades were completed in 2019 increasing the capacity by 3 MGD

# RP-1 1158 Pump Station



The expansion of the RP-1 1158 pump station was completed in 2020 increasing the pumping capacity by 10 MGD. This pump station is the main supply for RW to GWR.



# GWR Basin Maintenance

Inlet grate cleaning is a routine activity performed by RW/GWR staff that plays a major role in maximizing recharge.

Inlet to Turner Basin 1



Basin infiltration restoration removes accumulated silt and debris and restores the basin back to its maximum recharge potential.

Banana Basin

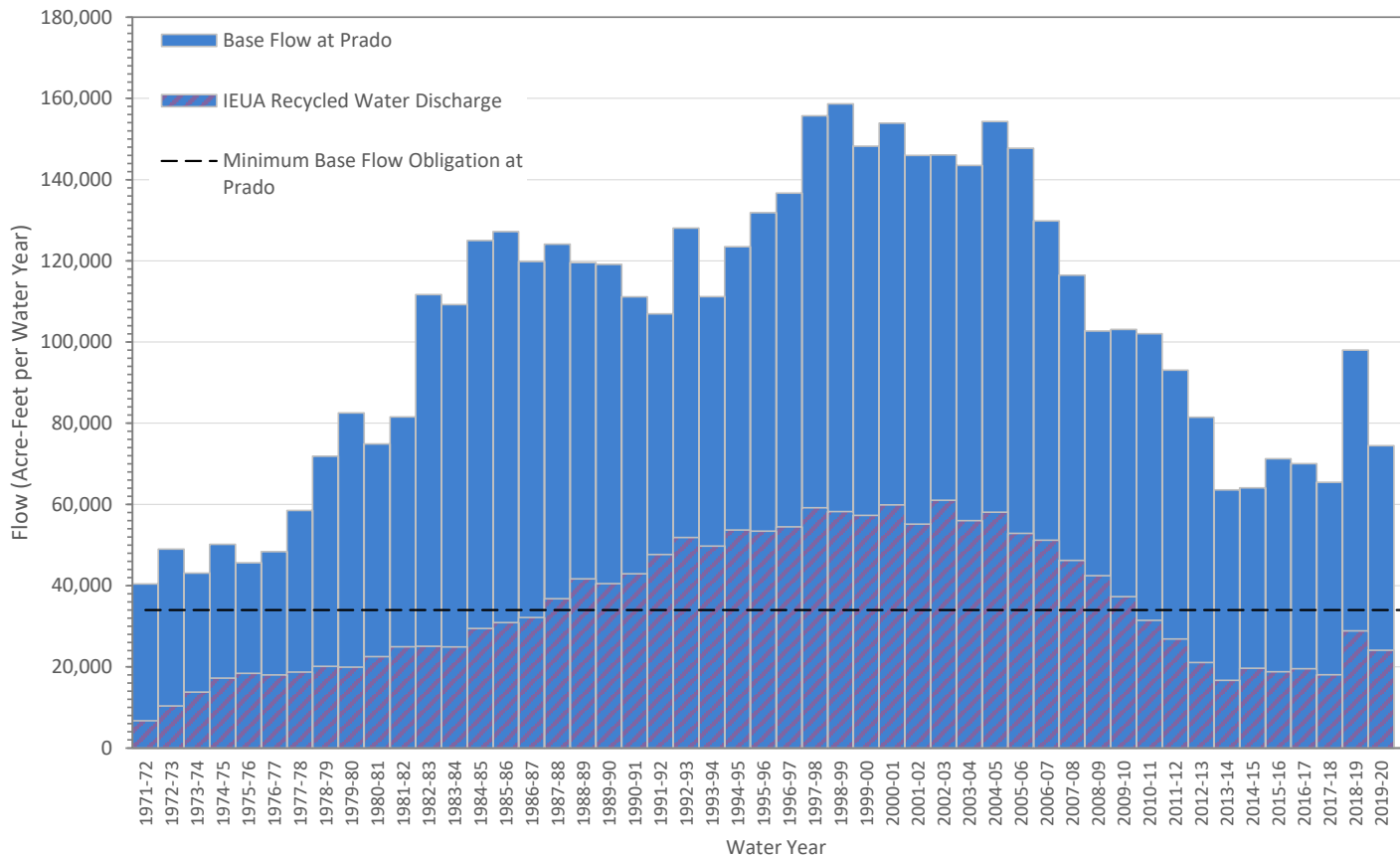


# Obligation and Purchase Rights



# Santa Ana River Base Flow Originating from IEUA

Santa Ana River Base Flow Relative to IEUA Recycled Water Discharges



## IEUA Annual Discharge of Recycled Water to the Santa Ana River WY 1971-72 through WY 2019-20

### Total

49 Years  
1,726,071 AF  
35,226 AFY Average

### Minimum

1971-72 Water Year  
6,740 AF

### Maximum

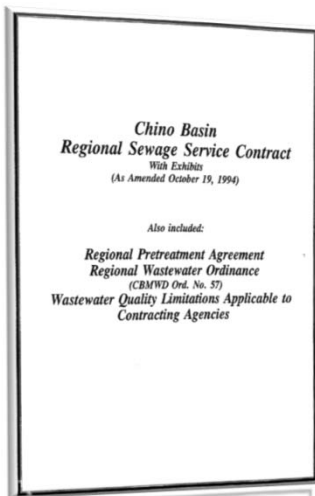
2002-03 Water Year  
61,018 AF

### Most Recent

2019-20 Water Year  
24,082 AF

# Chino Basin Regional Sewage Service Contract

- Section 15 – Control and Disposition of Sewage: Contracting Agencies Right of Purchase of Treated or Reclaimed Effluent
  - IEUA total ownership of treated effluent
  - Contracting Agencies right of first purchase
- Section 16 - Sale, Beneficial Use or Disposal of Treated Effluent
  - Quantity not exceeding the base entitlement

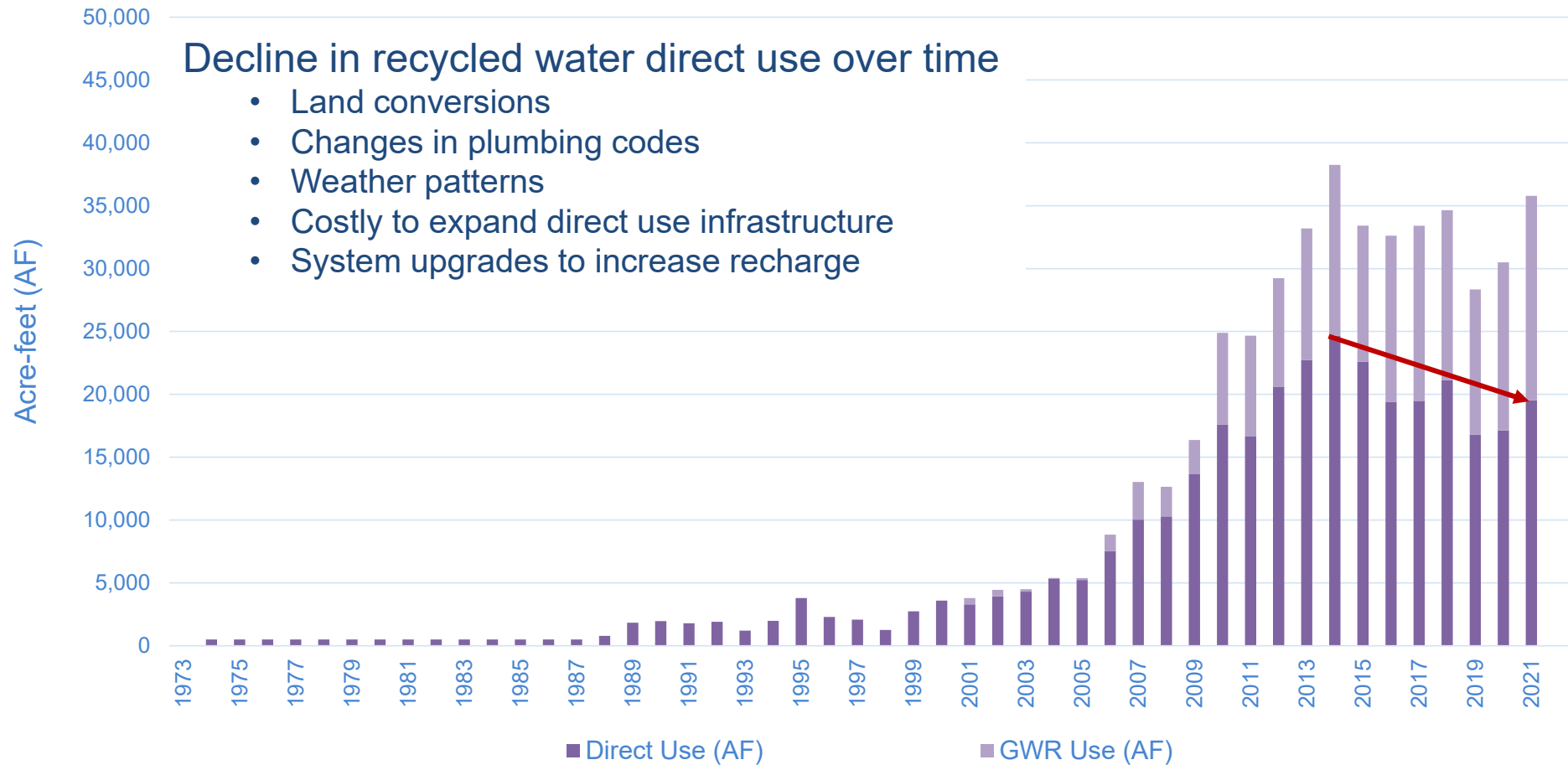


# Recycled Water Rates

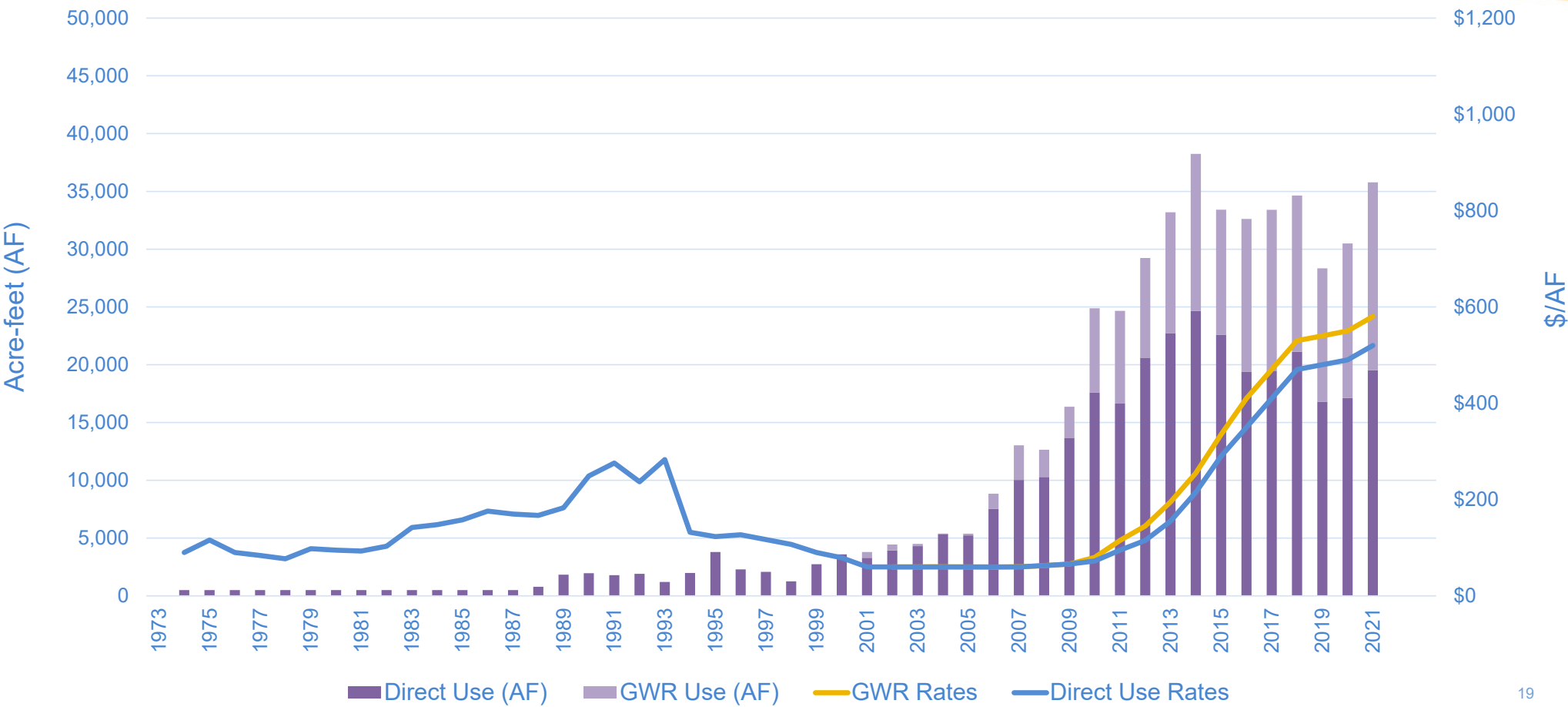
# Recycled Water Demands Over Time

## Decline in recycled water direct use over time

- Land conversions
- Changes in plumbing codes
- Weather patterns
- Costly to expand direct use infrastructure
- System upgrades to increase recharge

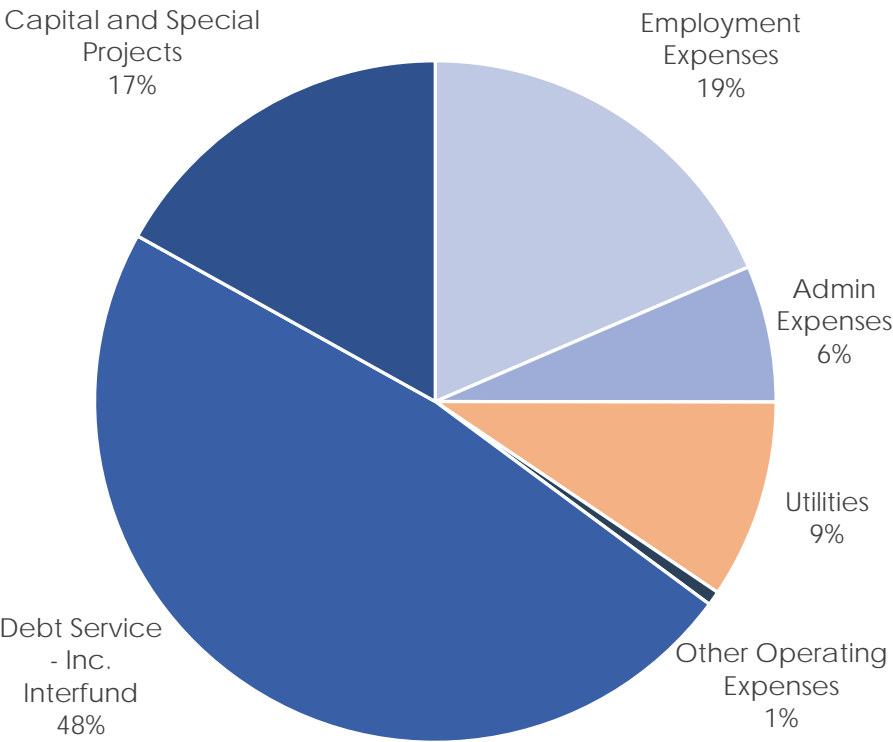


# Recycled Water Rates Over Time

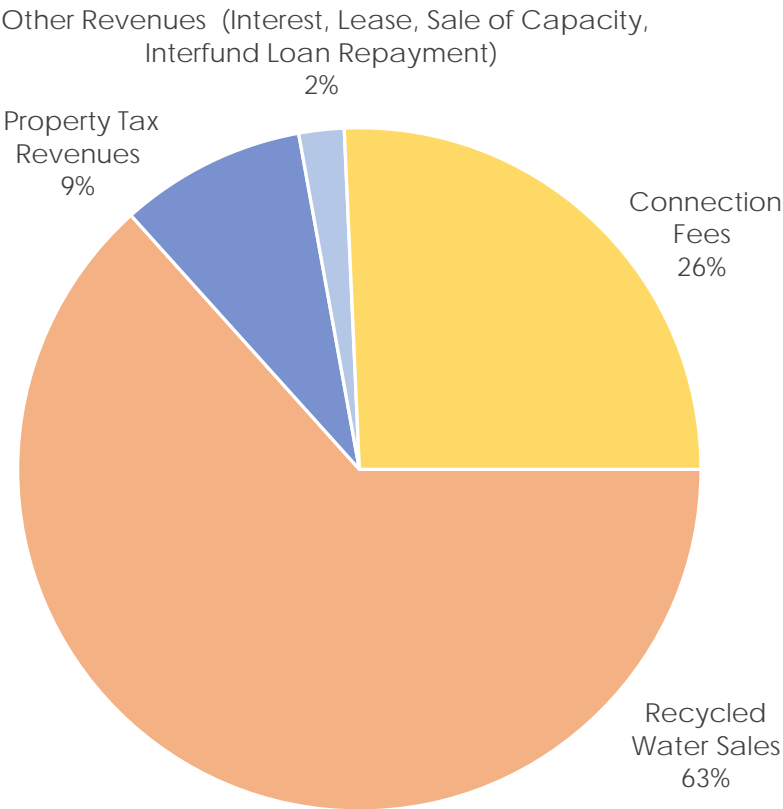


# Recycled Water Expenses

Average Expenses



Recent Revenues



# Need for a Sustainable Rate Structure

## Why a fixed component?

Most costs are fixed

Increase reliability of funding sources

## Options to mitigate impact to Contracting Agencies:

- Continued use of offsetting revenues
- Fixed charge limited to debt service cost
- Phase-in of RW recharge surcharge over 5 years
- More than 7 rate alternatives evaluated
  - 3 initial rate options proposed
  - 4 additional requested rate options evaluated

# Rate Structure Options

Option	Cost Recovery Methodology	Stabilizes Revenues?	Recognizes Fixed Costs?	Cost Recovery Shift?	Contracting Agencies Preference
<i>Current Rate Structure</i>	<i>All costs recovered based on usage</i>	No	No	None	-
Fixed Charge Based on EDUs	Fixed: reflects entitlements Variable: reflects actual deliveries	Yes	Yes	Moderate	2
Fixed Charge based on 3-year rolling average demands	Fixed: reflects agency share of total recycled water use Variable: reflects actual deliveries	Yes	Yes	Minimal	3
Fixed Charge based on three year rolling average (direct) and EDUs (recharge)	Fixed: reflects agency share of total recycled water use (direct) and entitlements (recharge) Variable: reflects actual deliveries	Yes	Yes	Minimal	2



# Contracting Agencies Feedback

- Can more property taxes be used to further reduce recycled water rates?
- Implementation of a fixed charge for recycled water is inequitable among the agencies
- Can it be structured like the Metropolitan Water District Readiness-to-Serve (RTS) charge or be based on a meter capacity charge instead?
- Justification for staffing levels supporting recycled water/groundwater recharge funds
- Recycled water demand projections are too conservative

# Projected Rates

5-Yr Rates <b>Without</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Direct Use Rate (\$/AF)	\$549	\$579	\$611	\$645	\$680
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$649	\$729	\$811	\$851	\$892

5-Yr Rates <b>With</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Fixed Revenue (\$ Millions)	\$4.42M	\$4.73M	\$4.96M	\$5.40M	\$5.41M
Direct Use Rate (\$/AF)	\$418	\$440	\$465	\$486	\$521
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$518	\$590	\$665	\$692	\$733

3-Yr Rates <b>With</b> Fixed Charges ( <i>Phase-in</i> )	FYE 2023	FYE 2024	FYE 2025
Fixed Revenue (\$ Millions)	\$1.11M	\$2.36M	\$4.96M
Direct Use Rate (\$/AF)	\$516	\$510	\$465
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>
Total GWR Rate (\$/AF)	\$616	\$660	\$665

## Assumed Demands:

- 18,000 AF/year Direct Use
- 16,000 AF/year Recharge

# Projected Rates and Revenues

5-Yr Rates <b>Without</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Direct Use Rate (\$/AF)	\$549	\$579	\$611	\$645	\$680
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$649	\$729	\$811	\$851	\$892
<b>Total Revenue Collected (\$ Millions)</b>	<b>\$20.3M</b>	<b>\$22.1M</b>	<b>\$24.0M</b>	<b>\$25.2M</b>	<b>\$26.5M</b>

5-Yr Rates <b>With</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Fixed Revenue (\$ Millions)	\$4.42M	\$4.73M	\$4.96M	\$5.40M	\$5.41M
Direct Use Rate (\$/AF)	\$418	\$440	\$465	\$486	\$521
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$518	\$590	\$665	\$692	\$733
<b>Total Revenue Collected (\$ Millions)</b>	<b>\$20.3M</b>	<b>\$22.1M</b>	<b>\$24.0M</b>	<b>\$25.2M</b>	<b>\$26.5M</b>

3-Yr Rates <b>With</b> Fixed Charges (Phase-in)	FYE 2023	FYE 2024	FYE 2025
Fixed Revenue (\$ Millions)	\$1.11M	\$2.36M	\$4.96M
Direct Use Rate (\$/AF)	\$516	\$510	\$465
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>
Total GWR Rate (\$/AF)	\$616	\$660	\$665
<b>Total Revenue Collected (\$ Millions)</b>	<b>\$20.3M</b>	<b>\$22.1M</b>	<b>\$24.0M</b>

## Assumed Demands:

- 18,000 AF/year Direct Use
- 16,000 AF/year Recharge

# Actual/Assumed Demands Comparison

5-Yr Rates <b>Without</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Direct Use Rate (\$/AF)	\$549	\$579	\$611	\$645	\$680
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$649	\$729	\$811	\$851	\$892
<b>Comparison Revenue (\$ Millions)</b>	<b>-\$2.2M</b>	<b>-\$2.4M</b>	<b>-\$2.7M</b>	<b>-\$2.8M</b>	<b>-\$3.0M</b>

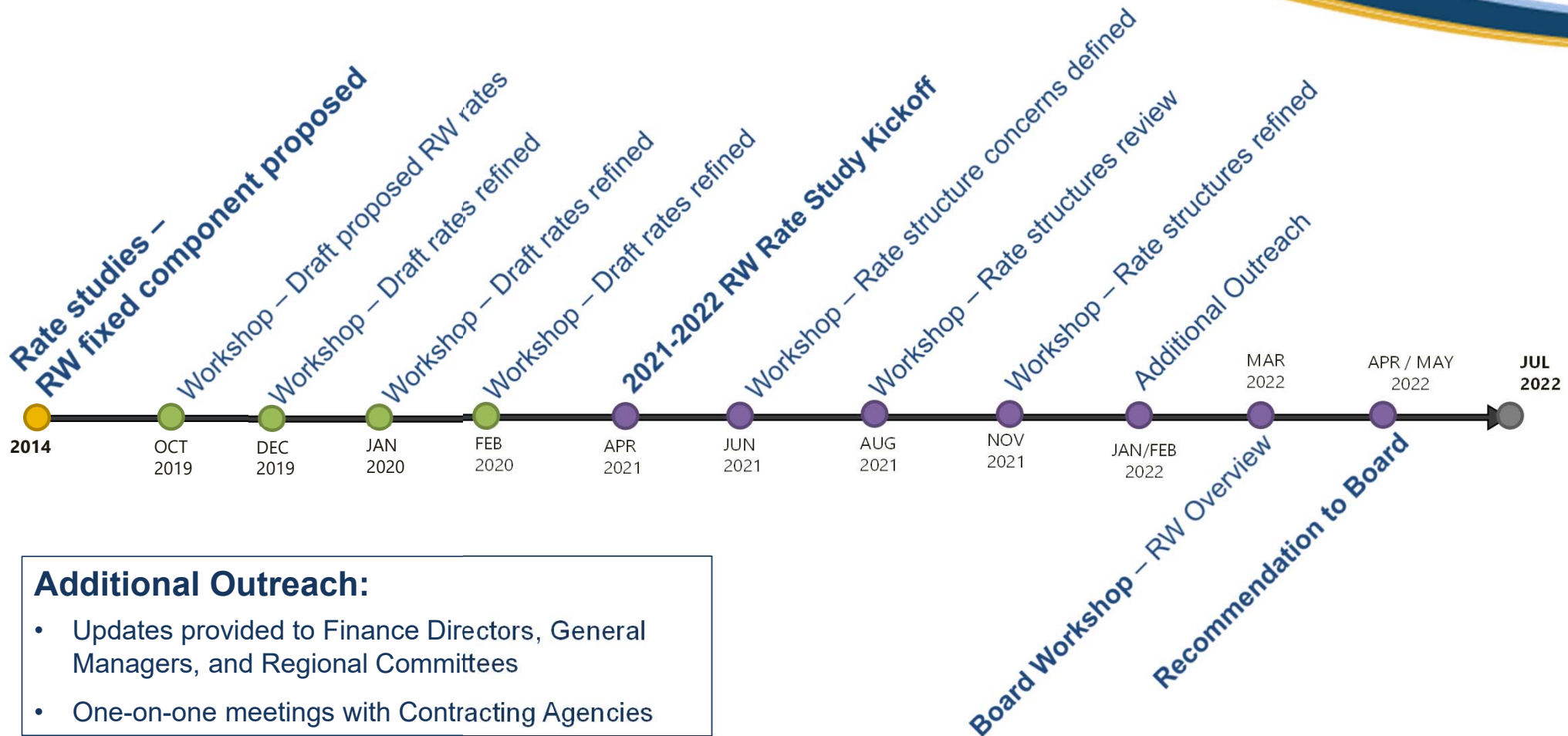
5-Yr Rates <b>With</b> Fixed Charges	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027
Fixed Revenue (\$ Millions)	\$4.42M	\$4.73M	\$4.96M	\$5.40M	\$5.41M
Direct Use Rate (\$/AF)	\$418	\$440	\$465	\$486	\$521
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>	<i>\$206</i>	<i>\$212</i>
Total GWR Rate (\$/AF)	\$518	\$590	\$665	\$692	\$733
<b>Comparison Revenue (\$ Millions)</b>	<b>-\$1.7M</b>	<b>-\$1.9M</b>	<b>-\$2.2M</b>	<b>-\$2.2M</b>	<b>-\$2.4M</b>

3-Yr Rates <b>With</b> Fixed Charges (Phase-in)	FYE 2023	FYE 2024	FYE 2025
Fixed Revenue (\$ Millions)	\$1.11M	\$2.36M	\$4.96M
Direct Use Rate (\$/AF)	\$516	\$510	\$465
<i>Recharge Surcharge (\$/AF)</i>	<i>\$100</i>	<i>\$150</i>	<i>\$200</i>
Total GWR Rate (\$/AF)	\$616	\$660	\$665
<b>Comparison Revenue (\$ Millions)</b>	<b>-\$2.1M</b>	<b>-\$2.2M</b>	<b>-\$2.2M</b>

## Actual FY2020 Demands:

- 17,115 AF/year Direct Use
- 13,380 AF/year Recharge

# Recycled Water Rate Studies History



## Next Steps

- Continue one-on-one discussions with Contracting Agencies
- Update Tech and Policy in March / April
- Finalize technical recommendation based on feedback
- Recommendation to IEUA Board in April / May
- If approved, new rates effective July 1, 2022

# **Compliance and Future of the Recycled Water Program**



# Recycled Water Salinity Compliance

## National Pollutant Discharge Elimination System (NPDES) permit:

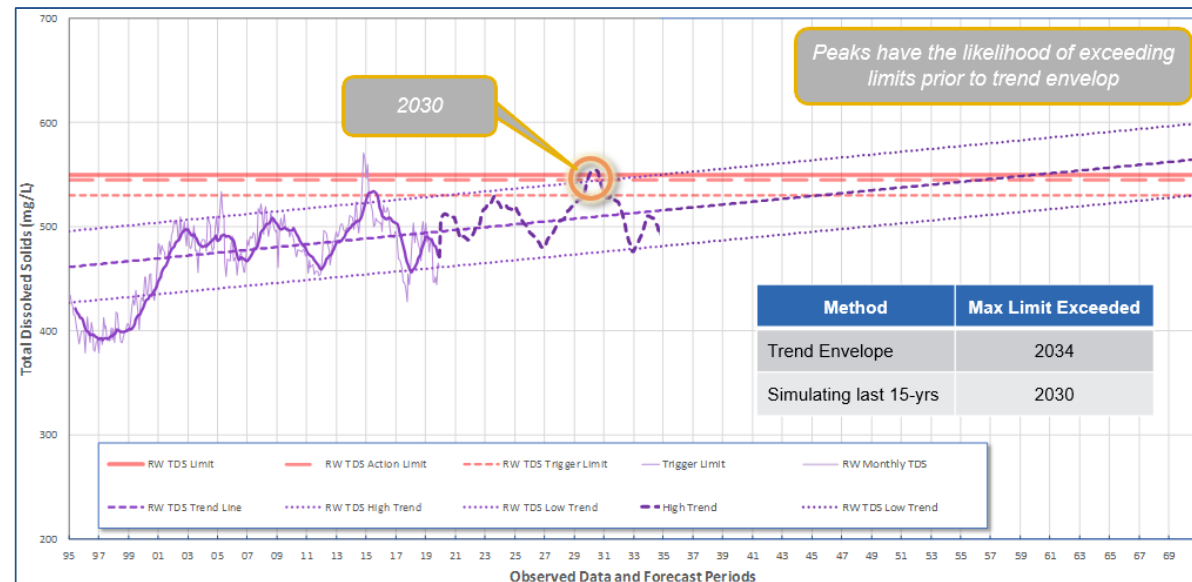
- Total Dissolved Solids (TDS) limit: = 550 mg/L

## TDS projection:

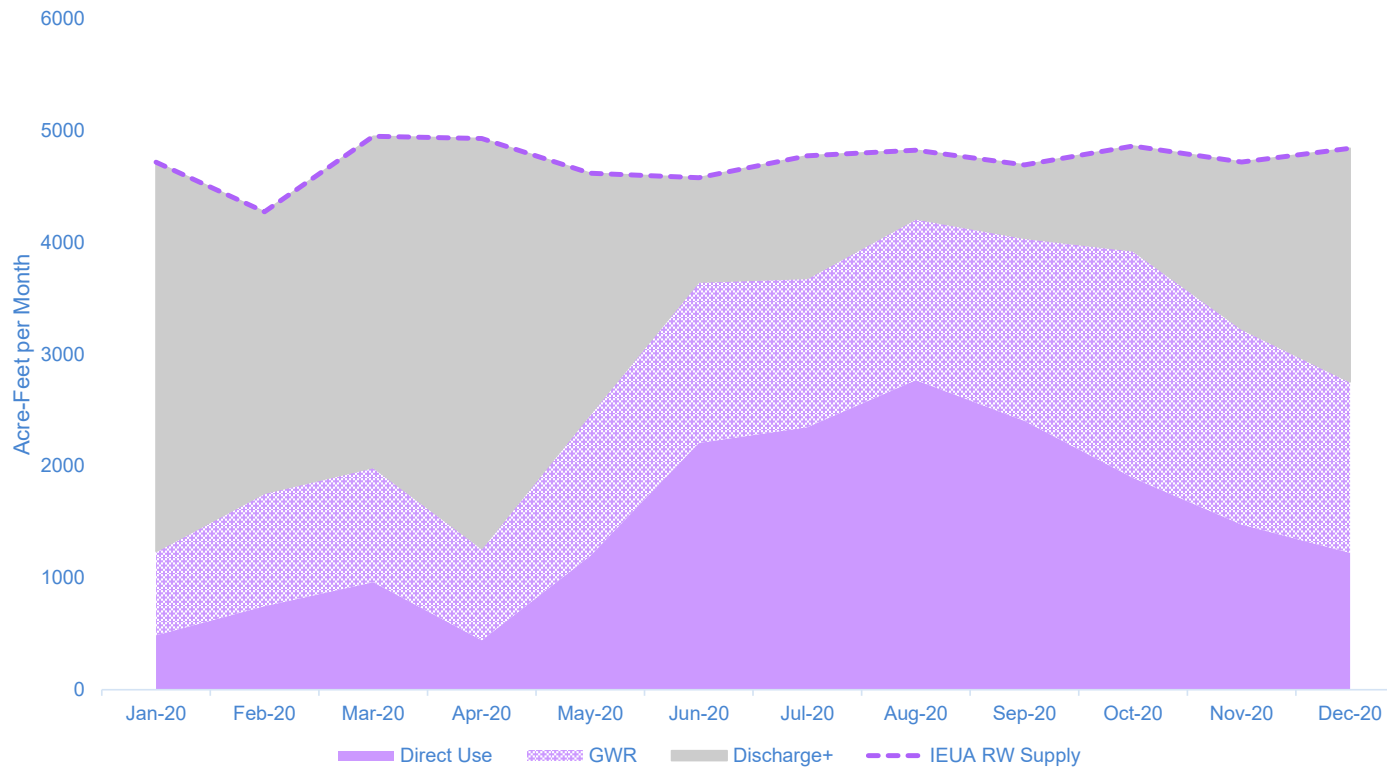
- Repeat the pattern from 2005 – 2019 starting in 2020
- Exceedance projected in 2030

## Permit compliance:

- Target TDS = 500 mg/L
- Minimum advanced treatment capacity = 9,000 AF/year



# Recycled Water Supplies vs Demands



IEUA Recycled Water Supply:  
**56,800 AFY**

Discharge:  
**22,800 AFY**

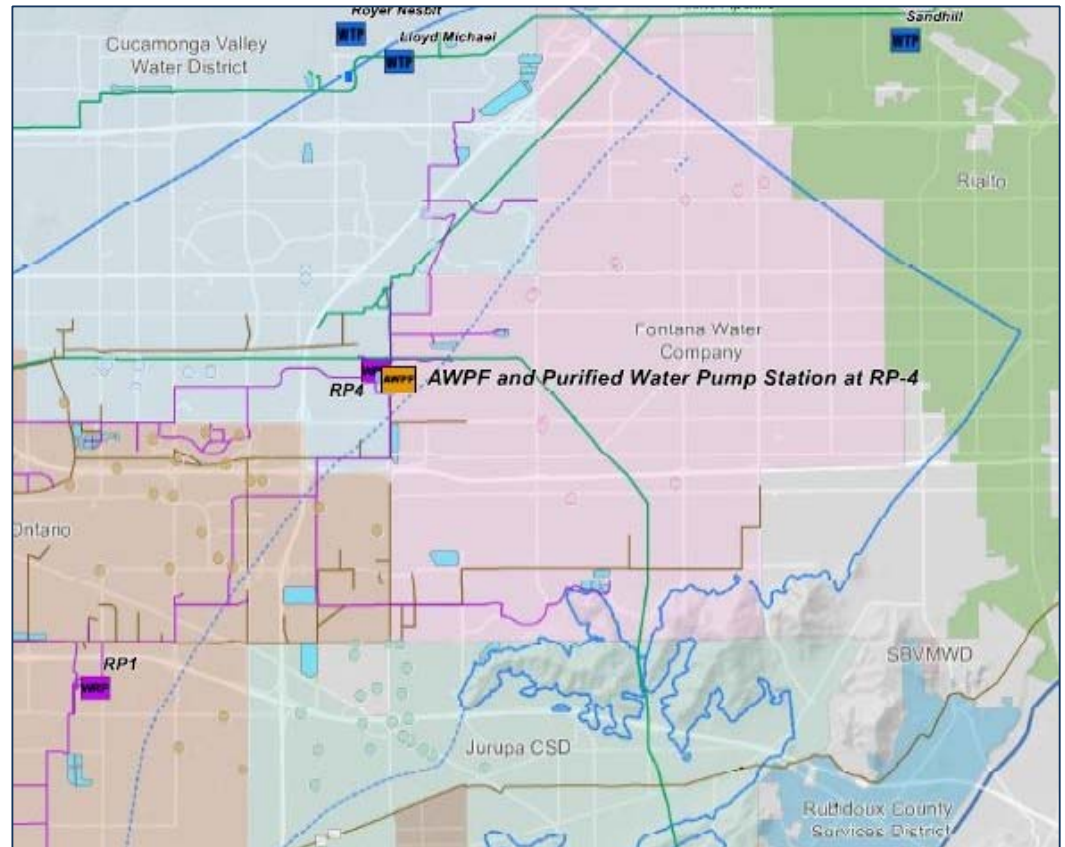
Groundwater Recharge:  
**16,000 AFY**

Direct Use:  
**18,000 AFY**

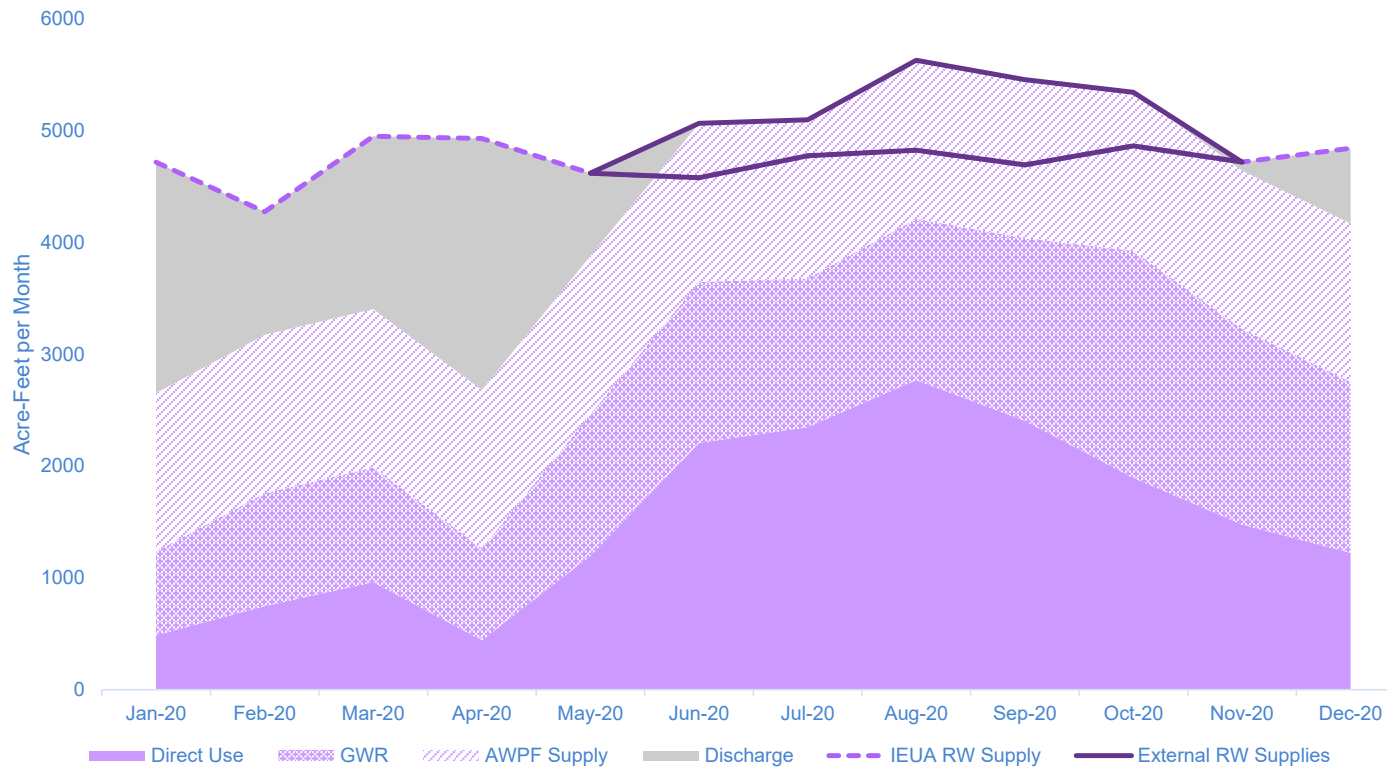
# Baseline Compliance

## Facilities:

- 9,000 AF/year Advanced Water Purification Facility (AWPF) at RP-4 located in City of Rancho Cucamonga



# Recycled Water Supplies vs Demands



External Recycled Water Supplies:  
**6,000 AFY**

IEUA Recycled Water Supply:  
**56,800 AFY**

AWPf:  
**17,000 AFY**

Discharge:  
**22,800 11,800 AFY**

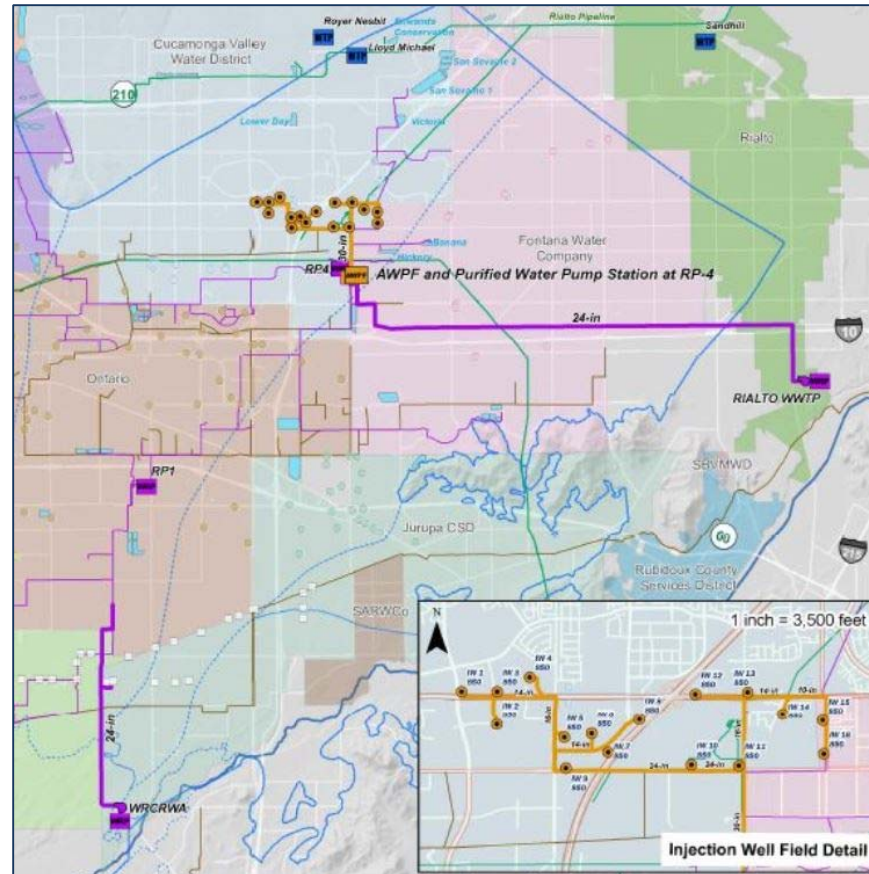
Groundwater Recharge:  
**16,000 AFY**

Direct Use:  
**18,000 AFY**

# Recycled Water Program Expansion

## Facilities:

- 15,000 AF/year AWPf at RP-4
- Advanced treated recycled water pipeline
- 15,000 AF/year Injection wells
- 6,000 AF/year external water supplies

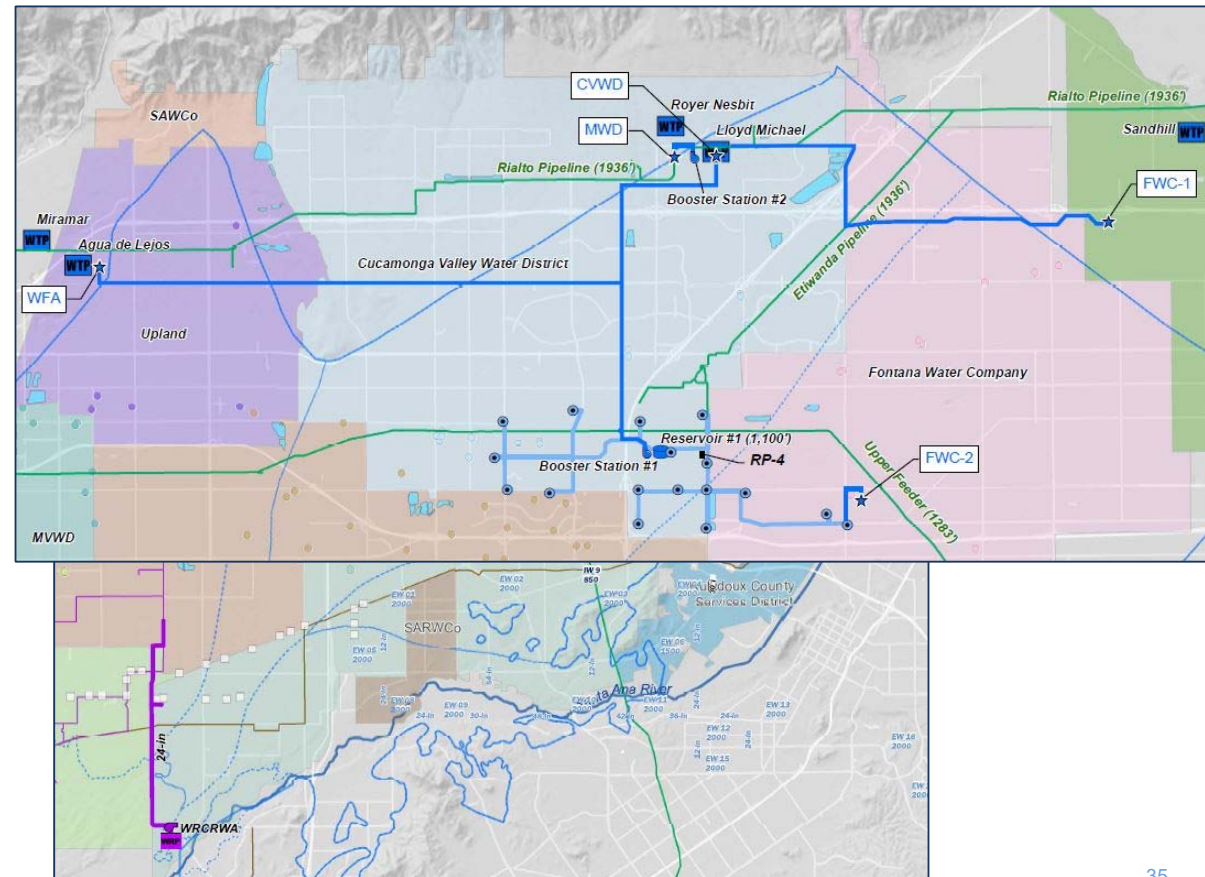




# Chino Basin Program

## Facilities:

- 15,000 AF/year AWPf at RP-4
- Advanced treated recycled water pipeline
- 15,000 AF/year Injection wells
- 6,000 AF/year external water supplies
- 40,000 AF/year Extraction wells
- Potable water pipelines & Reservoir
- Interconnection to Metropolitan's Rialto Pipeline
- East-West pipeline





## Benefits of IEUA's Recycled Water Program

- Minimize plant effluent discharge for reuse
- Maximize local recycled water direct use and groundwater recharge
- Future local water supply through advanced treatment and direct injection
- Future direct potable reuse (DPR)

