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 AB 361 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 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

I, Denise Garzarо, 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 dgarzarо@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
From: Shivaji Deshmukh, General Manager

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

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.

Staff's Recommendation:

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

Budget Impact

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

Account/Project Name:

Fiscal Impact (explain if not budgeted):

None.

Full account coding (internal AP purposes only):  -  -  -  Project No.:  -  -  -
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.

Environmental Determination:
Not Applicable

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.

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 2nd day of March, 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
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:

___________________________________
Marco Tule
Secretary/Treasurer

(SEAL)

*A Municipal Water District
Date: March 2, 2022
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

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.

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.

Budget Impact  Budgeted (Y/N): N  Amendment (Y/N): N  Amount for Requested Approval:
Account/Project Name:

Fiscal Impact (explain if not budgeted):
Environmental Determination:
Not Applicable

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.

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

Data Source: Statewide Database Census 2020 P.L. 94-171 Redistricting Data
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

Data Source: Statewide Database Census 2020 P.L. 94-171 Redistricting Data
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

Data Source: Statewide Database Census 2020 P.L. 94-171 Redistricting Data
Proposed Revision D

Current Division Boundaries
Proposed 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

Data Source: Statewide Database Census 2020 P.L. 94-171 Redistricting Data
Proposed Revision E

Data Source: Statewide Database Census 2020 P.L. 94-171 Redistricting Data
Topics

- Existing Program Overview
- Purchase Rights
- Rates
- Regulatory Compliance
- Short-Term Program Expansion
- Long-Term Program Opportunities
Recycled Water Program Overview
Recycled Water System as of: 1990
Recycled Water System: 2001-2010
Recycled Water System: Current
System Overview

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

![Pie Chart: GW Recharge (40%), Agriculture (27%), Landscape (11%), Construction (19%), Industrial (2%), Discharge (1%)]

![Map: Recharge Basins (Owners)]
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
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.

Basin infiltration restoration removes accumulated silt and debris and restores the basin back to its maximum recharge potential.
Obligation and Purchase Rights
Santa Ana River Base Flow Originating from IEUA

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
• 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

- Acre-feet (AF)
- $/AF

- Direct Use (AF)
- GWR Use (AF)
- GWR Rates
- Direct Use Rates
Recycled Water Expenses

**Average Expenses**
- Capital and Special Projects: 17%
- Employment Expenses: 19%
- Admin Expenses: 6%
- Utilities: 9%
- Other Operating Expenses: 1%
- Debt Service - Inc. Interfund: 48%

**Recent Revenues**
- Recycled Water Sales: 63%
- Connection Fees: 26%
- Other Revenues (Interest, Lease, Sale of Capacity, Interfund Loan Repayment): 2%
- Property Tax Revenues: 9%
- Other Revenues: 2%
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

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<tbody>
<tr>
<td>Current Rate Structure</td>
<td>All costs recovered based on usage</td>
<td>No</td>
<td>No</td>
<td>None</td>
<td>-</td>
</tr>
<tr>
<td>Fixed Charge Based on EDUs</td>
<td>Fixed: reflects entitlements&lt;br&gt;Variable: reflects actual deliveries</td>
<td>Yes</td>
<td>Yes</td>
<td>Moderate</td>
<td>2</td>
</tr>
<tr>
<td>Fixed Charge based on 3-year rolling average demands</td>
<td>Fixed: reflects agency share of total recycled water use&lt;br&gt;Variable: reflects actual deliveries</td>
<td>Yes</td>
<td>Yes</td>
<td>Minimal</td>
<td>3</td>
</tr>
<tr>
<td>Fixed Charge based on three year rolling average (direct) and EDUs (recharge)</td>
<td>Fixed: reflects agency share of total recycled water use (direct) and entitlements (recharge)&lt;br&gt;Variable: reflects actual deliveries</td>
<td>Yes</td>
<td>Yes</td>
<td>Minimal</td>
<td>2</td>
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</tbody>
</table>
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 Without Fixed Charges

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<tr>
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<tr>
<td><strong>Direct Use Rate ($/AF)</strong></td>
<td>$549</td>
<td>$579</td>
<td>$611</td>
<td>$645</td>
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<td><strong>Recharge Surcharge ($/AF)</strong></td>
<td>$100</td>
<td>$150</td>
<td>$200</td>
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<td><strong>Total GWR Rate ($/AF)</strong></td>
<td>$649</td>
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### 5-Yr Rates With Fixed Charges

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<tr>
<td><strong>Fixed Revenue ($ Millions)</strong></td>
<td>$4.42M</td>
<td>$4.73M</td>
<td>$4.96M</td>
<td>$5.40M</td>
<td>$5.41M</td>
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<tr>
<td><strong>Direct Use Rate ($/AF)</strong></td>
<td>$418</td>
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### 3-Yr Rates With Fixed Charges (Phase-in)

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## Assumed Demands:

- 18,000 AF/year Direct Use
- 16,000 AF/year Recharge
## Projected Rates and Revenues

### 5-Yr Rates Without Fixed Charges

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### Assumed Demands:
- 18,000 AF/year Direct Use
- 16,000 AF/year Recharge
### Actual/Assumed Demands Comparison

#### 5-Yr Rates Without Fixed Charges

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<td>$100</td>
<td>$150</td>
<td>$200</td>
<td>$206</td>
<td>$212</td>
</tr>
<tr>
<td><strong>Total GWR Rate ($/AF)</strong></td>
<td>$649</td>
<td>$729</td>
<td>$811</td>
<td>$851</td>
<td>$892</td>
</tr>
<tr>
<td><strong>Comparison Revenue ($ Millions)</strong></td>
<td>-$2.2M</td>
<td>-$2.4M</td>
<td>-$2.7M</td>
<td>-$2.8M</td>
<td>-$3.0M</td>
</tr>
</tbody>
</table>

#### 5-Yr Rates With Fixed Charges

<table>
<thead>
<tr>
<th></th>
<th>FYE 2023</th>
<th>FYE 2024</th>
<th>FYE 2025</th>
<th>FYE 2026</th>
<th>FYE 2027</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixed Revenue ($ Millions)</strong></td>
<td>$4.42M</td>
<td>$4.73M</td>
<td>$4.96M</td>
<td>$5.40M</td>
<td>$5.41M</td>
</tr>
<tr>
<td><strong>Direct Use Rate ($/AF)</strong></td>
<td>$418</td>
<td>$440</td>
<td>$465</td>
<td>$486</td>
<td>$521</td>
</tr>
<tr>
<td><strong>Recharge Surcharge ($/AF)</strong></td>
<td>$100</td>
<td>$150</td>
<td>$200</td>
<td>$206</td>
<td>$212</td>
</tr>
<tr>
<td><strong>Total GWR Rate ($/AF)</strong></td>
<td>$518</td>
<td>$590</td>
<td>$665</td>
<td>$692</td>
<td>$733</td>
</tr>
<tr>
<td><strong>Comparison Revenue ($ Millions)</strong></td>
<td>-$1.7M</td>
<td>-$1.9M</td>
<td>-$2.2M</td>
<td>-$2.2M</td>
<td>-$2.4M</td>
</tr>
</tbody>
</table>

#### 3-Yr Rates With Fixed Charges (Phase-in)

<table>
<thead>
<tr>
<th></th>
<th>FYE 2023</th>
<th>FYE 2024</th>
<th>FYE 2025</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixed Revenue ($ Millions)</strong></td>
<td>$1.11M</td>
<td>$2.36M</td>
<td>$4.96M</td>
</tr>
<tr>
<td><strong>Direct Use Rate ($/AF)</strong></td>
<td>$516</td>
<td>$510</td>
<td>$465</td>
</tr>
<tr>
<td><strong>Recharge Surcharge ($/AF)</strong></td>
<td>$100</td>
<td>$150</td>
<td>$200</td>
</tr>
<tr>
<td><strong>Total GWR Rate ($/AF)</strong></td>
<td>$616</td>
<td>$660</td>
<td>$665</td>
</tr>
<tr>
<td><strong>Comparison Revenue ($ Millions)</strong></td>
<td>-$2.1M</td>
<td>-$2.2M</td>
<td>-$2.2M</td>
</tr>
</tbody>
</table>

**Actual FY2020 Demands:**

- 17,115 AF/year Direct Use
- 13,380 AF/year Recharge
Recycled Water Rate Studies History

Additional Outreach:
- Updates provided to Finance Directors, General Managers, and Regional Committees
- One-on-one meetings with Contracting Agencies
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)