Regional Sewerage Program
Policy Committee Meeting

AGENDA
Thursday, June 1, 2023
3:30 p.m.

Agency Headquarters – Board Room
6075 Kimball Avenue, Building A
Chino, CA 91708
Telephone Access: (415) 856-9169/Conf ID: 966 283 115#

The public may participate and provide public comment during the meeting by joining in person or by calling the number provided above. Comments may also be submitted by email to the Recording Secretary Laura Mantilla at lmantilla@ieua.org prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Policy Members.

Call to Order

Roll Call

Flag Salute

Public Comment

Members of the public may address the Committee on any item that is within the jurisdiction of the Committee; 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. Comments will be limited to three minutes per speaker.

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.

(Continued)

1. **Technical Committee Report** *(Oral)*

2. **Action Item**
   A. Approval of May 4, 2023 Policy Committee Meeting Minutes
   B. Review of Proposed Biennial Budget for Fiscal Years 2023/24 and 2024/25 for the Regional Wastewater and Recycled Water Programs

3. **Informational Items**
   A. Ten-Year Capital Improvement Plan & Ten-Year Sewer Capital Forecast FY 2023/24 –2032/33
   B. Consulting Program Management and Owner Engineering Solicitation Update
   C. Fats, Oils, Greases (FOG) and Wipes Impact Outreach

4. **Receive and File**
   A. Building Activity Report
   B. Recycled Water Distribution – Operations Summary

5. **Other Business**
   A. IEUA General Manager's Update
   B. Committee Member Requested Agenda Items for Next Meeting
   C. Committee Member Comments
   D. Next Meeting – July 6, 2023

Adjourn

DECLARATION OF POSTING

I, Laura Mantilla, Executive Assistant 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 Laura Mantilla at (909) 993-1944 or lmantilla@ieua.org 48 hours prior to the scheduled meeting so that IEUA can make reasonable arrangements to ensure accessibility.

ACTION ITEM

2A

Regional Sewerage Program
Policy Committee Meeting

MINUTES OF THE MAY 4, 2023 MEETING

CALL TO ORDER

A meeting of the Inland Empire Utilities Agency (IEUA)/Regional Sewerage Program Policy Committee was held on Thursday, May 4, 2023, at 6075 Kimball Avenue, Building A, Chino, California.

Chair Randall Reed/Cucamonga Valley Water District (CVWD) called the meeting to order at 3:30 p.m. Recording Secretary Laura Mantilla established a quorum was present. Chair Reed led the Pledge of Allegiance.

Committee Members Present:

Eunice Ulloa	City of Chino
Art Bennett	City of Chino Hills
John Roberts	City of Fontana
Debra Dorst-Porada	City of Ontario
Bill Velto	City of Upland
Randall Reed	Cucamonga Valley Water District (CVWD)
Marco Tule	Inland Empire Utilities Agency (IEUA)

Others Present:

Nicole deMoet	City of Upland
Amanda Coker	CVWD
Shivaji Deshmukh	IEUA
Christiana Daisy (joined virtually)	IEUA
Kristine Day	IEUA
Adham Almasri	IEUA
Jerry Burke	IEUA
Lucia Diaz	IEUA
Elizabeth Hurst	IEUA
Michael Larios	IEUA
Randy Lee	IEUA
Alex Lopez	IEUA
Jason Marseilles	IEUA

Others Present (continued):

Alyson Piguee	IEUA
Steve Smith	IEUA
Ken Tam	IEUA
Ashley Womack	IEUA
Jeff Ziegenbein	IEUA

PUBLIC COMMENTS

There were no public comments.

ADDITIONS/CHANGES TO THE AGENDA

There were no additions or changes to the agenda.

1. **TECHNICAL COMMITTEE REPORT**

   Amanda Coker/ CVWD reported that at the April 27, 2023 Technical Committee meeting, the Committee approved: the March 30, 2023 Technical Committee Meeting Minutes; the RP-1 Digesters 6 and 7 Rehabilitation and Roof Repairs Construction Contract Award; and the RP-1 SCADA Migration Project Construction Contract Award. The Committee also received an information item on the FY 2023/24 and 24/25 Biennial Budget Overview of the Regional Wastewater and Recycled Water Programs; Recycled Water Groundwater Recharge Update; Operations & Maintenance Department Quarterly Update; and a Pretreatment & Compliance Update.

2. **ACTION ITEM**

   A. **APPROVAL OF THE APRIL 6, 2023 POLICY COMMITTEE MEETING MINUTES**

   Motion: By Committee member Velto/City of Upland and seconded by Committee member Dorst-Porada/City of Ontario to approve the meeting minutes of the April 6, 2023 Regional Policy Committee Meeting by the following vote:

   Ayes: Bennett, Dorst-Porada, Roberts, Ulloa, Velto, Reed
   Noes: None
   Absent: Dutrey
   Abstain: None
   The motion passed by a vote of 6 ayes, 0 noes, 1 absent, and 0 abstain.

   B. **RP-1 DIGESTERS 6 AND 7 REHABILITATION AND ROOF REPAIRS CONSTRUCTION CONTRACT**

   Jason Marseilles/IEUA gave the staff presentation and informed the Committee that this item was presented and unanimously approved by the Technical Committee on April 27, 2023. Mr. Marseilles discussed the location, background, scope, contractor selection, budget, and project schedule. Discussion ensued on the design and condition of the digesters, cost of the construction services, and budget augmentation.

Committee member Dorst-Porada asked if the presentation on the impact of rags and wipes was assigned to anyone. General Manager Shivaji Deshmukh stated that IEUA staff is preparing a presentation to be shared with the Committee at the next meeting.

Motion: By Committee member Dorst-Porada/City of Ontario and seconded by Committee member Roberts/City of Fontana to recommend to the IEUA Board of Directors to award the construction contract for the RP-1 Digesters 6 and 7 Rehabilitation and Roof Repairs Construction Contract, Project No. EN17042, to Innovative Construction Solutions, in the amount of $4,930,500 by the following vote:

Ayes: Bennett, Dorst-Porada, Roberts, Ulloa, Velto, Reed
Noes: None
Absent: Dutrey
Abstain: None
The motion passed by a vote of 6 ayes, 0 noes, 1 absent, and 0 abstain.

C. RP-1 SCADA MIGRATION PROJECT CONSTRUCTION CONTRACT

Jason Marseilles/IEUA provided the staff presentation and informed the Committee that this item was presented and unanimously approved by the Technical Committee. Mr. Marseilles discussed the project location, background, scope, contractor selection, budget, and schedule. Discussion ensued on the costs of the automation. Mr. Marseilles explained that the Foxborough system is an aging system and parts and programming are no longer available.

Chair Reed asked what the percentage of equivalent dwelling units (EDUs) used is for automation. Mr. Marseilles stated he would obtain the information and provide it to the Committee. Further discussion ensued regarding the Ten-Year Capital Improvement Plan (TYCIP). Mr. Marseilles stated that the cost is included in the TYCIP.

Committee member Dorst-Porada recommended postponing the project. Mr. Marseilles stated that if the project is postponed the plant's automation processes would be lost and the plant would need to be staffed 24 hours a day 7 days a week.

Motion: To recommend to the IEUA Board of Directors to award the construction contract for the RP-1 Digesters SCADA Migration Project to CDM Constructors Inc. The motion died for lack of a second.

3. INFORMATIONAL ITEMS

A. FISCAL YEARS 2023/24 AND 2024/25 BIENNIAL BUDGET OVERVIEW OF THE REGIONAL WASTEWATER AND RECYCLED WATER PROGRAMS

Kristine Day/IEUA provided the staff presentation. She discussed the key assumptions, funding sources for the advanced water purification facility (AWPF) design, rates and fees, and property tax allocation. Discussions ensued regarding the property tax allocation of 65% for the Regional Wastewater Capital Fund. Chair Reed asked if the allocation percentages can be changed. General Manager Deshmukh stated that if there is a different allocation the Policy Committee recommends, IEUA staff will bring it to the IEUA Board.

Committee member Dorst-Porada stated that at the prior Policy meeting, Committee member Dutrey had several questions and asked if IEUA had provided responses. Ms. Day stated that his questions were answered during the meeting. Committee member Dorst-Porada requested a copy of the responses in writing. Ms. Day stated IEUA will provide them to her.

Ms. Day also reported on the total sources, uses of funds, fund reserves, and cost of service for the Wastewater Capital Improvement Fund, Wastewater Operations & Maintenance Fund, and Recycled Water Fund. She stated that the Committee was provided with an updated copy of the AWPF PowerPoint due to a misprint on the design cost which was corrected from $3.4 million to $3.6 million. Ms. Day explained that the AWPF is a single construction project of 15-thousand-acre feet per year (TAFY) located at RP-4 of which costs are currently split between compliance (60 percent) and recycled water (40 percent). The compliance funding sources for fiscal years 2023/24 and 2024/25 are derived from property taxes in the amount of $2.6 million and the recycled water component will be funded through a grant from the California Water Commission in the amount of $2.1 million.

Chair Reed asked about the difference between recycled water direct delivery costs and groundwater recharge costs. Discussion ensued regarding Chino Basin WaterMaster cost sharing agreements supporting groundwater recharge. Chair Reed stated he would like to have a better understanding of the costs to maintain the basins. He also requested information on the EDU rate that includes property tax compared to other agencies with property tax and without. Ms. Day stated that staff can provide the list that was shared during the rate presentation.

Committee member Dorst-Porada asked how the AWPF costs and funding were determined. General Manager Deshmukh stated that 9 TAFY of low salinity or advanced treated water is what is needed to maintain the permitted limit of salinity in the basin which is the metric IEUA has been operating under for the past few years. This value is set by the State Water Control Board. Currently, 60 percent and 40 percent is based on salt or total dissolved solids (TDS). Committee member Dorst-Porada requested a copy of the analysis that staff used for that determination.

Discussion ensued on the costs of the AWPF, CBP, Recycled Water interconnection with the City of Rialto, and TDS ratio in the basin.

B. RECYCLED WATER GROUNDWATER RECHARGE UPDATE

Steve Smith/IEUA provided an update on stormwater and recycled water monthly accumulation and stormwater deliveries to date. He also provided an update on stormwater capture in the basins and upcoming maintenance projects.

C. OPERATIONS AND MAINTENANCE DEPARTMENT QUARTERLY UPDATE

Jeff Ziegenbein//IEUA provided an overview of the various functions performed by the Operations, Maintenance, Organics Management, and Facilities & Water System Programs Maintenance units.

4. RECEIVE AND FILE

Items 4A and 4B were received and filed by the Committee.

A. BUILDING ACTIVITY REPORT

B. RECYCLED WATER DISTRIBUTION – OPERATIONS SUMMARY

5. OTHER BUSINESS

A. IEUA GENERAL MANAGER'S UPDATE

There were no items to report.

B. COMMITTEE MEMBER REQUESTED AGENDA ITEMS FOR NEXT MEETING

There were no future requested agenda items.

C. COMMITTEE MEMBER COMMENTS

Committee member Dorst-Porada thanked Acting Water Resources Manager Cathy Pieroni for the informative tour of Diamond Valley Lake.

She also commented that the Regional Contract negotiations are not going well. She stated that governance should be shared amongst the contracting agencies. She suggested that IEUA hold Policy committee meetings and Board meetings in the evenings to allow constituents to attend.

Committee member Ulloa echoed the comments about the value of the Diamond Valley Lake tour and thanked staff for their efforts.

She also stated that they listen to the concerns of their constituents regarding cost increases and that it is difficult to explain why water costs increase and why recycled water is expensive. She appreciates the information that is provided so that they can explain it to their constituents.

Committee member Bennet commented that wastewater and recycled water is a complicated business and for that reason, it would be more appropriate for IEUA to consider direct billing to customers.

Committee member Tule stated that IEUA needs to more thoroughly explain Agency expenditures. He thanked everyone for their comments.

Chair Reed also requested feedback on the compost facility in regard to meeting their goals.

D. NEXT MEETING – JUNE 1, 2023

ADJOURNMENT

Chair Reed adjourned the meeting at 5:29 p.m.

Prepared by:

Laura Mantilla, Recording Secretary

ACTION ITEM

2B

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date: May 25th/June 1st

To: Regional Committees

From: Inland Empire Utilities Agency

Subject: Review of Proposed Biennial Budget for Fiscal Years 2023/24 and 2024/25 for the Regional Wastewater and Recycled Water Programs

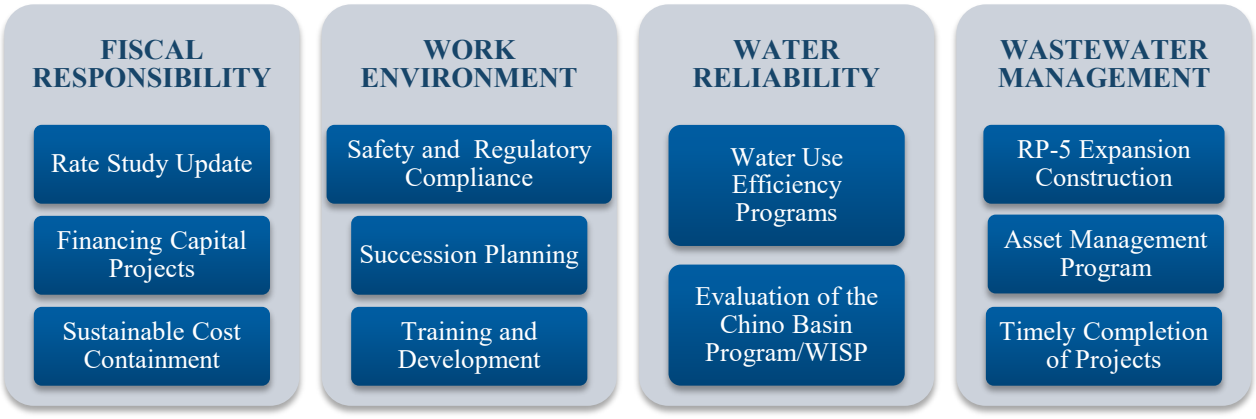
RECOMMENDATION

Staff requests that the Regional Committees recommend approval to the IEUA Board of Directors (Board) for the proposed Fiscal Years (FYs) 2023/24 and 2024/25 Biennial Budget for the Agency's Regional Wastewater Capital Improvement fund and Regional Wastewater Operations and Maintenance fund.

BACKGROUND

The proposed budgets for the Regional Wastewater and Recycled Water programs were presented to the Regional Technical Committee on April 27, 2023, and to the Regional Policy Committee on May 4, 2023, pursuant to the Ordinance No. 111 - Regional Sewerage Service..

The proposed Biennial Budget for the Regional Wastewater and Recycled Water programs are consistent with the Agency's long-term planning documents, and the Board-adopted Business Goals of fiscal responsibility, work environment, water reliability, and wastewater management. Some of the key objectives of the proposed biennial budget include:



Key Objective Highlights

Agency Workforce: Establish a long-range plan for our Agency's most important asset, our staff, to ensure the appropriate level of staff needed to accomplish Agency objectives, serve the region, and optimize organizational development and effectiveness.

The Agency wide staffing plan proposes 345 positions (340 authorized full time and 5 limited term employees) for FY 2023/24 and 356 positions (342 full time and 4 limited term employees) for FY 2024/25. The proposed staffing will allow for early recruitment of critical positions in support of the operations of the new and expanded RP-5 facilities coming on-line over the next two fiscal years, ensuring sustainable operations and services to our communities.

Property Tax Allocation

As summarized in Table 1, the property tax allocation remains unchanged. Property taxes continue to be a key funding source in support of the Agency debt service, the pay-go portion of expansion projects, future growth projects projected by sewage collection agencies, asset management for timely upkeep and improvement of aging assets, and to maintain compliance with changing regulatory and safety requirements. The completion of the RP-5 expansion project and key rehabilitation projects at RP-1 and RP-4 continues to be the primary focus over the next two fiscal years.

Table 1: Property Tax Allocation by Fund ($ Millions)

Fund	Purpose	Current Allocation	FY 2023/24 Projection	FY 2024/25 Projection
Regional Wastewater Capital Improvement	Supports debt service costs for acquisition, improvement, and expansion of regional wastewater facilities.	65%	$51.4	$52.2
Regional Wastewater Operations & Maintenance	Supports capital replacements and rehabilitation cost and any operation costs not fully recovered by rates.	23%	18.2	18.5
Recycled Water	Supports debt service costs for acquisition, improvement, replacement, and expansion of regional recycled water facilities.	4.0%	3.1	3.2
Administrative Services	Supports agency-wide costs not allocated to other Agency funds.	4.5%	3.5	3.6
Water Resources	Supports regional water supply strategies.	3.5%	2.8	2.8
Total			**$79.0**	**$80.3**

Capital Investments and Capacity Efforts: The Agency will continue to focus on our long-standing tradition of constructing quality facilities and being an industry leader with our water resource management and wastewater treatment efforts.

The capital projects included in the proposed Ten-Year Capital Improvement Plan (TYCIP) of $1.4 billion are needed to support an increase in services for future growth projected by the sewage collection agencies, asset management for timely upkeep and improvement of aging assets, and improvement of the treatment capacity to maintain compliance with changing regulatory and safety requirements.

The financing plan for the proposed TYCIP is supported by new debt borrowings of 67 percent and pay-go of 27 percent which includes connection fees, rates, and property taxes. The remaining 6 percent is a conservative estimate of grant funding. Agency staff will continue to pursue federal and state grant funding opportunities as well as low interest loan financing to facilitate the implementation of the TYCIP at the lowest possible cost.

Regional Wastewater Program

In accordance with the Regional Sewage Service Ordinance No. 111, the Regional Wastewater Program is comprised of two funds; the Regional Wastewater Capital Improvement (Wastewater Capital) fund and the Regional Wastewater Operations and Maintenance (Wastewater Operations) fund, components of each fund are shown below in Table 2.

Table 2: Regional Wastewater Program Components

Description	Wastewater Capital	Wastewater Operations
Accounts for the Agency's regional wastewater systems	Acquisitions, construction, improvement, and expansion.	Collection, treatment, and disposal of domestic sewage treatment, capital replacement and rehabilitation costs, and organics management.
Primary Revenues & Other Funding Sources	New EDU* connection fees, property taxes, debt proceeds, and grant receipts.	Monthly EDU* sewer rate, property taxes, and contract reimbursements.
Primary Expenses and Other Uses of Funds	Capital project costs, debt service, and program support.	O&M costs including employment, chemicals, utilities, materials & supplies, etc.

**EDU = Equivalent dwelling unit is the estimated discharges from a single residence.*

Regional Wastewater Capital Improvement Fund (Wastewater Capital Fund)

Total revenues and other funding sources in the Wastewater Capital fund are estimated at $173.0 million and $171.2 million for FYs 2023/24 and 2024/25, respectively. This amount includes financing in the form of State Revolving Fund (SRF) and Water Infrastructure Finance and Innovation Act (WIFIA) loan proceeds of $85.5 million in FY 2023/24, and $81.3 million in FY 2024/25 to support the construction of the RP-1 Solids Thickening Building, RP-5 Expansion, Philadelphia Force Main Project, and Carbon Canyon Water Recycling Facility Improvements.

Table 3 summarizes the major funding sources for the Regional Wastewater Capital Improvement Fund.

New equivalent dwelling unit (EDU) connections are projected to be 3,000 each year. This projection is lower than the sewage collection agencies forecast of 7,701 and 7,551 units for FY 2023/24 and FY 2024/25, respectively. While the Agency applies sewage collection agencies growth forecasts to plan for future expansion of its facilities, a lower growth forecast is applied to revenue forecasts. This conservative approach ensures facilities are ready to meet the increased service demands from future growth and provides flexibility in financing options. Revenues from wastewater connection fees are estimated at $24.4 million in FY 2023/24, and $25.9 million in FY 2024/25. Projected connections and rates are shown in Appendix Table A3.

Property tax receipts allocated to the Wastewater Capital fund help support annual debt service costs and capital project expenditures. An increase of two percent in assessed valuations is assumed for property tax receipts projected for each of the next two fiscal years. Revenues from property tax receipts are estimated at $51.4 million in FY 2023/24, and $52.2 million in FY 2024/25.

Table 3: Wastewater Capital Fund Major Funding Sources

Major Funding Sources ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Wastewater Connection Fees	$24.4	$25.9	3,000 new EDU connections at a proposed fee of $8,132 per EDU in FY 2023/24 and 3,000 new EDU connections at a proposed fee of $8,620 for FY 2024/25.
Property Tax	51.4	52.2	Annual allocation of total property taxes to the Wastewater Capital fund will continue at 65% of total property tax receipts for both fiscal years.
Debt and Grant Proceeds	85.5	81.3	SRF and WIFIA loan proceeds for the RP-1 Solids Thickening Building, RP-5 Expansion, and various other projects.
Inter-Fund Transfers and Other	11.7	11.8	Interfund transfer from Wastewater Operations fund for their share of the RP-5 Solids Treatment expansion and the CCWRF* Asset Management Improvement project, inter-fund loan reimbursement and interest revenues.
Total	**$173.0**	**$171.2**	

**CCWRF- Carbon Canyon Water Recycling Facility*

Total expenses and other uses of funds are $139.2 and $160.2 for FY 2023/24 and FY 2024/25 respectively. Capital projects in the Ten-Year Capital Improvement Plan represent approximately 64 percent of the proposed budget for each fiscal year, with $112.4 million in capital project costs budgeted in FY 2023/24 and $130.0 million in FY 2024/25. Table 4 represents major uses of funds for both fiscal years.

Table 4: Wastewater Capital Fund Major Expenses and Other Uses of Funds

Major Uses of Funds ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Program Support	$8.7	$9.1	Includes employment, professional services, etc. in support of CIP.
Capital Improvement Plan (CIP)	112.4	130.0	Major capital projects as summarized in Table 5.
Debt Service	7.0	7.9	Includes principal and interest for the 2017A, and 2020A bonds, 2020B Revenue Notes and various SRF loans.
Investment in IERCA	0.8	0.3	Includes the Agency's share of capital investment in the Inland Empire Regional Composting Authority (IERCA).
Other	10.3	12.9	Inter-fund transfers for capital and debt service support to other funds.
Total	**$139.2**	**$160.2**	

Table 5 includes major projects for FY 2023/24 and 2024/25 as well as future years per the Agency's Ten-Year Capital Improvement Plan.

Table 5: Wastewater Capital Fund Major Capital Projects

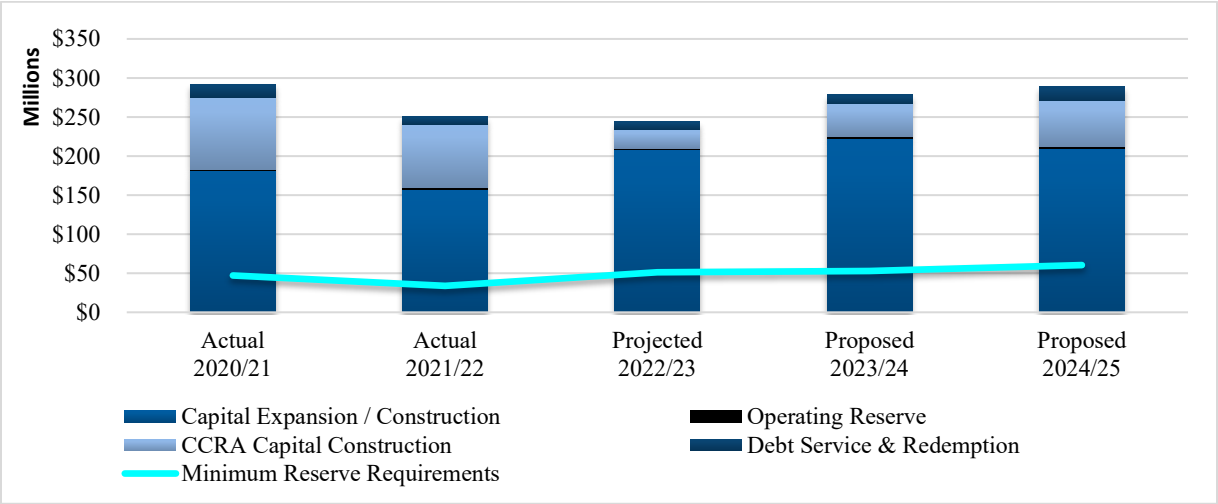
Major Projects ($Millions)	FY 2023/24	FY 2024/25	FY 2025/26 to FY 2032/33	TYCIP Total
RP-5 Expansion Construction	$75.6	$52.0	$9.0	$136.6
RP-1 Solids Thickening Bldg. & Acid Phase Digester	15.0	45.0	92.0	152.0
Asset Management Improvements	0.3	2.4	64.0	66.7
***CCWRF Asset Management Improvements**	8.8	13.0	3.0	24.8
RP-1 Solids & Liquid Treatment Expansion	0.9	4.1	70.0	75.0
All Other Capital Projects	11.8	13.5	41.5	66.8
Total Capital Projects	**$112.4**	**$130.0**	**$279.5**	**$521.9**

**CCWRF- Carbon Canyon Water Recycling Facility*

Wastewater Capital Fund Balance

The Wastewater Capital Fund ending balance for FY 2023/24 is estimated at $278.3 million, and $289.3 million for FY 2024/25 as shown in Figure 1. The estimated increase for both fiscal years is due to anticipated debt and grant proceeds to support the construction of the RP-1 Solids Thickening Building and the RP-5 Expansion project.

Figure 1: Wastewater Capital Fund Reserve by Type



Regional Wastewater Operations & Maintenance Fund (Wastewater Operations)

Total revenues and other funding sources in the Wastewater Operations & Maintenance fund are estimated at $128.0 million and $145.0 million for FYs 2023/24 and 2024/25, respectively. Table 6 summarizes the Wastewater Operations & Maintenance fund proposed major revenues and other funding sources for the FYs.

Table 6: Wastewater Operations Fund Major Revenues and Other Funding Sources

Major Funding Sources ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Monthly EDU	$83.1	$88.5	Based on the proposed EDU rate of $23.39 in FY 2023/24 and $24.79 FY 2024/25
Property Tax	18.2	18.5	Annual allocation of property taxes of 23% of total property tax receipts for both fiscal years.
Debt Proceeds	17.3	28.5	Debt proceeds to support capital projects.
Cost Reimbursement from IERCA*	4.7	4.9	Reimbursement of IERCA* labor costs.
Other	4.7	4.6	Includes interfund-transfers from wastewater connection fees to support capital projects; interest revenue, contract cost reimbursement, and lease revenue.
Total	**$128.0**	**$145.0**	

**Inland Empire Regional Composting Authority*

Total expenses and other uses of funds are $130.0 million in FY 2023/24 and $148.0 million in FY 2024/25. Proposed expenses and other uses of funds for FYs 2023/24 and 2024/25 are shown in Table 7.

Major expenses in the Wastewater Operations fund include operating and maintenance (O&M) expenses, capital Replacement & Rehabilitation (R&R) project costs, organic management activities, and debt service costs. O&M expenses include employment costs based on the proposed

staffing plan supporting the operations of new facilities coming on-line because of the RP-5 Expansion project. The projected O&M expenses also include anticipated increases in electricity rates from Southern California Edison (SCE) and significant increases seen in chemical costs across the industry.

Table 7: Wastewater Operations Fund Major Expenses & Other Uses of Funds

Major Uses of Funds ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Operations & Maintenance (O&M)	$83.2	$90.7	Includes employment, chemicals utilities, professional and contract labor costs, and other O&M costs.
O&M project costs	6.8	5.2	Includes repairs to treatment facilities and collection system.
Capital Rehabilitation & Replacement (R&R) project costs	33.6	45.2	Major capital projects are summarized in Table 8.
Debt Service	1.4	1.4	Includes principal and interest for the 2017A bonds and SRF loan for the water quality laboratory.
Other	5.0	5.5	Inter-fund transfers for capital project support to the Administrative. Services and share of the RP-5 Expansion project and CCWRF Asset Management Improvement project.
Total	**$130.0**	**$148.0**	

A total of $33.6 million in capital project costs is budgeted for FY 2023/24 and $45.2 million is projected for FY 2024/25. Major capital projects are listed in Table 8.

Table 8: Wastewater Operations Fund Major Capital Projects

Major Projects ($Millions)	FY 2023/24	FY 2024/25	FY 2025/26 to FY 2032/33	TYCIP Total
RP-4 Advanced Water Purification Facility	0.6	2.5	162.4	165.5
SCADA Enterprise System	6.8	7.4	4.5	18.7
RP-1 Secondary System Rehabilitations	0.0	0.5	11.0	11.5
RP-1 Influent Pump Station Electrical Improvements	0.9	6.3	0.9	8.1
RP-4 Process Improvement Phase II	1.1	6.3	0.5	7.9
All Other Capital Projects	24.2	22.2	115.5	161.9
Total	**$33.6**	**$45.2**	**$294.8**	**$373.6**

Monthly EDU Sewer Rate

The proposed monthly sewer rate for Fiscal Years 2023/24 and 2024/25 are $23.39 and $24.79, respectively. Table 9 presents the adopted monthly sewer rate for FY 2022/23 and the proposed rates for FYs 2023/24 and 2024/25.

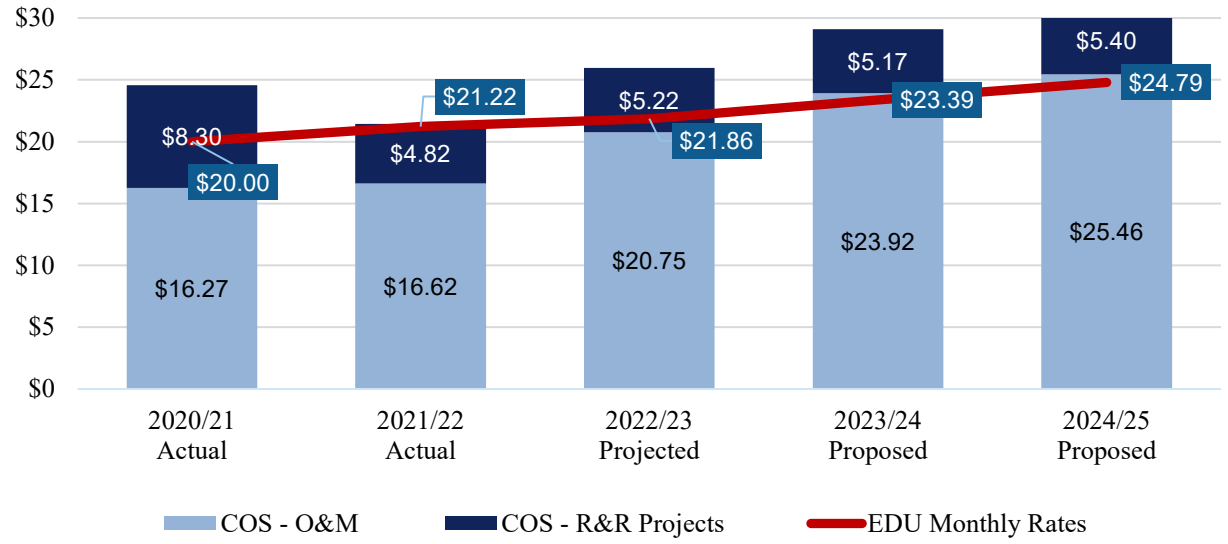
Table 9: Proposed Monthly EDU Sewage Rates

Rate Description	FY 2022/23 Adopted	FY 2023/24 Proposed	FY 2024/25 Proposed
EDU Monthly Rate	$21.86	$23.39	$24.79
Effective Date	7/01/22	7/01/23	7/01/24

Figure 2 shows actual cost of service for the Wastewater Operations fund, with actual data for Fiscal Years 2020/21 and 2021/22 and projected from FY 2022/23 through FY 2024/25. The proposed rates for FY 2023/24 and FY 2024/25 are below the projected full cost of service. The cost of service not covered by the monthly EDU rate will be covered by property taxes and the use of reserves.

One of the key objectives from the Agency Board is to establish rates that fully recover the cost of providing service. The Agency will perform a comprehensive cost of service study upon the completion of the return to sewer study to help update the parameters defining an EDU in the Agency service area.

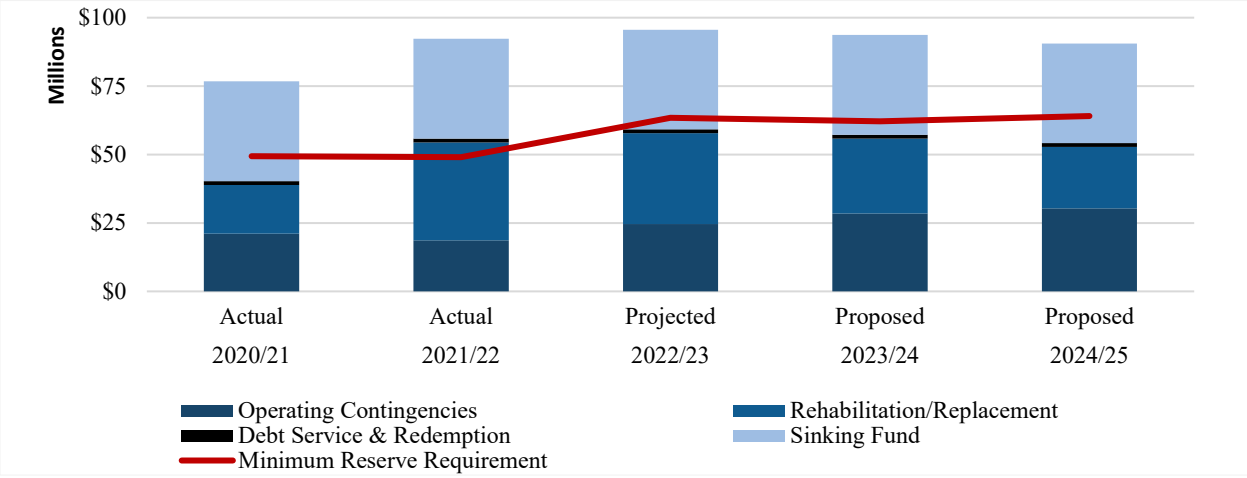
Figure 2: Monthly EDU Sewage Cost of Service



Wastewater Operations Fund Balance

The projected Wastewater Operations fund ending balance is estimated at $93.7 million and $90.5 million for FYs 2023/24 and 2024/25, respectively. The projected change in fund balance is due to the contributions (inter-fund transfers) to the Wastewater Capital fund to support for the Wastewater Operations fund share of the RP-5 Expansion and planned R&R projects, such as the CCWRF Asset Management and Improvements project costs as well as overall costs to operate and maintain the regional wastewater system facilities and infrastructure. Figure 3 represents the trend in reserves for the Wastewater Operations Fund.

Figure 3: Wastewater Operations Fund Reserves by Type



Recycled Water Fund

The Recycled Water Fund includes the operating activities related to the distribution of the recycled water produced in the regional recycling plants, and the capital activities related to expand and maintain the Regional Recycled Water Distribution System for direct use and groundwater recharge.

Total sources of funds are $39.9 million and $57.7 million for FY 2023/24 and FY 2024/25. In addition to operating revenue, other sources of funds include interest earnings, miscellaneous reimbursements, inter-fund debt service support for the 2017A Revenue bonds, and inter-fund loan re-payment from the Recharge Water program. Revenues and other funding sources of the Recycled Water fund are summarized below in Table 10.

Table 10: Recycled Water Fund Major Revenues & Other Funding Sources

Major Funding Sources ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Recycled Water Sales	$19.5	$19.0	FY 2023/24 adopted direct rate of $510/AF and Groundwater Recharge (GWR) rate of $660/AF FY 2024/25 adopted direct rate is $465/AF and the GWR rate is $665/AF.

Major Funding Sources ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Fixed Cost Recovery	2.4	5.0	Fixed cost recovery revenues are based on each recycled water customers 3 year rolling average of recycled and groundwater use.
Water Connection Fees	7.0	7.2	3,700 new MEU connections are projected for FYs 2023/24 and FY 2024/24. Adopted rates are $1,896/MEU and $1,953/MEU for FY 2023/24 and 2024/25, respectively.
Property Tax	3.1	3.2	Property tax receipts allocation of 4% of total property tax receipts.
Grant Proceeds	0.3	16.0	Grants receipts to support Recycled Water Interconnections to JCSD and City of Rialto, and Replenishing Facilities capital projects.
Other	7.6	7.3	Includes inter-fund loan repayment from the Recharge Water program, interest, miscellaneous other reimbursements, and inter-fund debt service support for the 2017A Revenue bonds.
Total	**$39.9**	**$57.7**	

Recycled Water Rates

The Recycled Water rates adopted in June 2022 introduced a fixed and variable component structure. The fixed component recovers debt service costs based on each customer three year rolling average of direct and recharge recycled water use. The fixed cost recovery budget for FY 2023/24 is $2.4 million and $5.0 million for FY 2024/25. Recycled water deliveries projections are 34,000-acre feet (AF) for each budget year. Recycled Water sales are estimated to generate revenues of $19.5 million and $19.0 million, for FYs 2023/24 and 2024/25. Adopted rates and estimated deliveries are summarized in Appendix Table A4.

One Water Connection Fee

Water connection fee revenues are collected to support capital investments in the Agency's regional water distribution system, regional resiliency, and water conservation projects to ensure regional water reliability and sustainability to meet current and future needs

The projections are $7.0 million for FY 2023/24 and $7.2 million for FY 2024/25. Water connection fee rates are set per meter equivalent unit (MEU). One MEU is equivalent to a 5/8" and 3/4" meter size (standard residential meter size). These revenue projections are based on 3,700 new MEU per year. One Water Connection Fee rates are reported in Appendix Table A5.

Total expense in FY 2023/24 and FY 2024/25 are projected to be $51.0 and $58.1 million, respectively. Major expenses for the Recycled Water fund include debt service, operating costs, and capital project expense. Operating costs include employment, pumping costs, non-capital projects, and the portion of the groundwater recharge operating costs not reimbursed by Chino

Basin Watermaster (CBWM). The projected biennial budget expense and other uses of funds for the Recycled Water fund are summarized in Table 11.

Table 11: Recycled Water Fund Major Expenses & Other Uses of Funds

Major Uses of Funds ($Millions)	FY 2023/24	FY 2024/25	Key Assumptions
Operating Expenses	$16.1	$17.6	Includes employment, professional fees, materials and supplies, pumping costs, a portion of the groundwater recharge operations expense, and O&M project costs.
Capital Improvement Plan (CIP)	15.6	23.7	See Table 12 for a summary of major capital projects.
Debt Service	15.2	14.4	Includes principal and interest costs for outstanding bonds, SRF loans, and inter-fund loan repayments to the Regional Wastewater Capital fund.
Other	4.1	2.4	Inter-fund transfers for water connection fees in support of the RRWDS*, and capital and operating support to the Administrative Services and Recharge Water funds.
Total	**$51.0**	**$58.1**	

**Regional Recycled Water Distribution System*

Annual debt service costs include principal, interest, and financial fees for SRF loans, 2017A and 2020A Revenue Bonds, and interfund loan repayment to the Regional Wastewater Capital fund. Debt service is estimated to be $15.2 million in FY 2023/24 and $14.4 million in FY 2024/25. Re-payments of the $13.5 million inter-fund loan due to the Regional Wastewater Capital began in FY 2022/23, and final re-payment of inter-fund loans is scheduled for FY 2024/25. A summary of inter-fund loans and repayment schedules is provided in Appendix Table A7.

Table 12: Recycled Water Fund Major Capital Projects

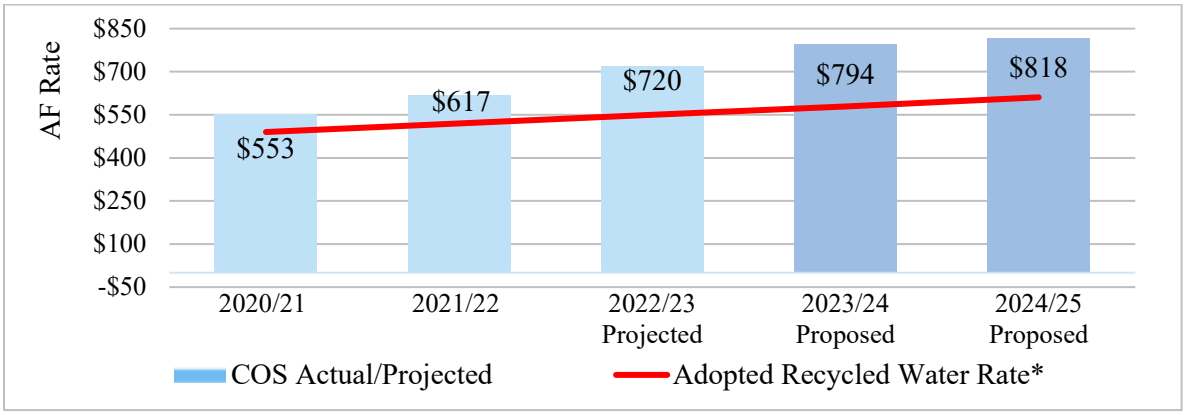
Major Projects ($Millions)	FY 2023/24	FY 2024/25	FY 2025/26 to FY 2032/33	TYCIP Total
RP-4 Advanced Water Purification Facility (6 TAFY)	$0.5	$1.6	$107.9	$110.0
Replenishing Facilities	2.5	3.5	85.0	91.0
Recycled Water Interconnection to City of Rialto	0.7	7.0	51.5	59.2
Recycled Water Connections to Jurupa Community Services District	0.5	1.5	40.9	42.9
RP-4 Chlorine Contact Basin Cover Repair	2.2	2.8	-	5.0
Etiwanda interceptor Grade Break	2.8	1.3	-	4.1
Recycled Water SCADA migration	0.6	2.0	1.8	4.4
1299 Reservoir repairs	1.7	0.2	-	1.9

All Other Capital Projects	4.1	3.9	60.8	68.8
Total	**$15.6**	**$23.8**	**$347.9**	**$387.3**

Cost of Service Review

A key Agency objective is to establish rates which fully recover the cost of providing service. As shown in Figure 4 the estimated cost of service for FY 2023/24 is $794/AF, and $818/AF for FY 2024/25. The increase in cost-of-service rate is driven by increasing operating and maintenance costs caused by inflationary price increases of utilities, chemicals, and employment expenses. Projections and underlying assumptions are reviewed and updated each year as part of the budget process. The next cost of service study will generate rates for Fiscal Year 2025/26.

Figure 4: Recycled Water Cost of Service

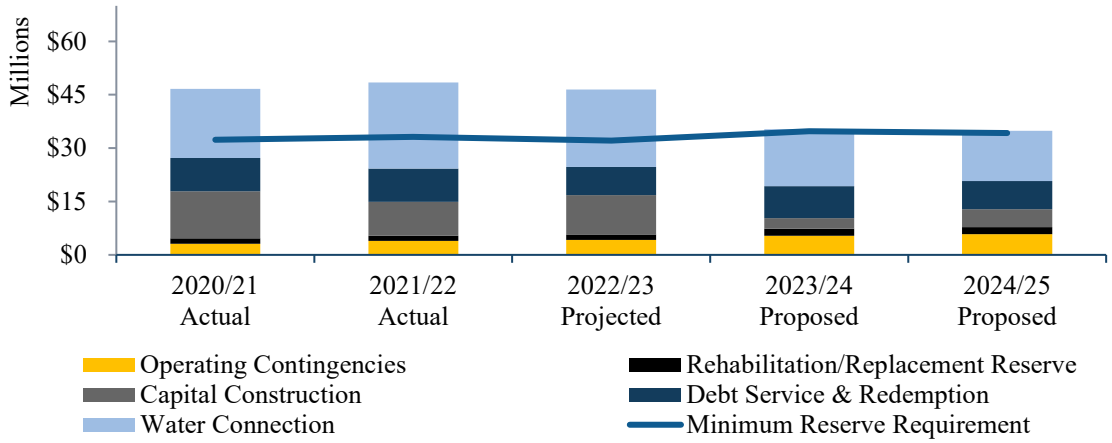


*Adopted Recycled Water rate includes Fixed Cost Recovery equivalent amount

Recycled Water Fund Reserves

The Recycled Water fund projected ending fund balances for FY 2023/24 and FY 2024/25 is $35.3 million and $34.9 million, respectively. The projected reserve balance decrease is largely due to increased capital project costs. The Agency will pursue additional federal and state grants along with low interest financing to support the implementation of the recycled water projects and to maintain reserve levels above the minimum requirements. Projected ending fund balances are reported below in Figure 5.

Figure 5: Recycled Water Fund Reserve by Type



Conclusion

This proposed biennial budget dealt with many inflationary challenges, program expansions, and critical capital project requirements to maintain the Agency's business goals.

During the budget period, the Agency will continue to work towards the completion of the RP5 Expansion project and the Return to Sewer study to set up the parameters necessary to adjust the EDU monthly rate and the wastewater connection fees through the corresponding cost of service studies. Additionally, the proposed biennial budget supports increased human capital to ensure fulfillment of Agency objectives and organization effectiveness. Achieving these objectives will ensure that the Agency can continue its commitment to delivering essential high-quality services in a cost-effective manner, supporting the region's economic development, and maintaining the Agency's fiscal health.

Review of the Proposed Biennial Budget for Fiscal Years 2023/24 and 2024/25 for the Regional Wastewater and Recycled Water Programs are consistent with the IEUA Business Goals of Fiscal Responsibility, Water Reliability, Wastewater Management, Environmental Stewardship, and Business Practices

Additional Background Information:

Appendix A – Program Fund Budget (Regional Wastewater Capital Improvement, Regional Wastewater Operations and Maintenance, and Recycled Water Program Funds)
Appendix Table A1 – Key assumptions for FYs 2023/24 and 2024/25 budget
Appendix Table A2 – Wastewater connection fees
Appendix Table A3 – EDU sewage rates
Appendix Table A4 – Recycled water rates
Appendix Table A5 – Water connection fees
Appendix Table A6 – Inter-fund loan repayment schedule

Appendix A

INLAND EMPIRE UTILITIES AGENCY
FISCAL YEAR 2023/24 & 2024/25 BIENNIAL BUDGET
REGIONAL WASTEWATER CAPITAL IMPROVEMENT FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
	ACTUAL	ACTUAL	PROJECTED ACTUAL	PROPOSED BUDGET	PROPOSED BUDGET		FORECAST	
REVENUES								
Interest Revenue	$1,405	$967	$1,177	$1,206	$1,218	$1,200	$1,200	$1,300
TOTAL REVENUES	**$1,405**	**$967**	**$1,177**	**$1,206**	**$1,218**	**$1,200**	**$1,200**	**$1,300**
OTHER FINANCING SOURCES								
Property Tax - Debt and Capital	$43,638	$46,550	$50,365	$51,373	$52,195	$53,033	$53,885	$54,752
Regional System Connection Fees	36,732	37,705	19,000	24,396	25,859	26,894	27,970	28,809
Debt Proceeds	0	0	32,000	25,500	45,764	233,516	0	0
State Loans	0	12,143	51,500	60,000	35,500	6,500	0	0
Other Revenues	57	95	1	1	1	1	1	1
Inter Fund Loan	0	0	2,000	6,000	5,500	0	0	0
TOTAL OTHER FINANCING SOURCES	**$80,427**	**$96,492**	**$154,866**	**$167,270**	**$164,819**	**$319,944**	**$81,856**	**$83,562**
EXPENSES								
Employment Expenses	$3,944	$2,859	$4,180	$4,769	$5,186	$5,243	$5,649	$6,253
Contract Work/Special Projects	350	519	0	136	16	16	16	16
Operating Fees	270	274	274	274	282	291	300	309
Professional Fees and Services	300	436	607	1,156	1,166	1,092	1,119	1,148
Other Expenses	926	1,125	1,675	2,362	2,426	2,834	2,967	3,094
TOTAL EXPENSES	**$5,790**	**$5,213**	**$6,735**	**$8,698**	**$9,075**	**$9,476**	**$10,051**	**$10,820**
CAPITAL PROGRAM								
Work In Progress	$70,210	$114,598	$135,148	$112,394	$130,021	$95,458	$46,133	$18,078
IERCA investment	250	500	800	750	250	250	250	250
TOTAL CAPITAL PROGRAM	**$70,460**	**$115,098**	**$135,948**	**$113,144**	**$130,271**	**$95,708**	**$46,383**	**$18,328**
DEBT SERVICE								
Financial Expenses	$1,325	$214	$11	$17	$17	$17	$17	$11
Interest	9,756	9,979	9,857	1,965	2,781	6,789	8,232	7,991
Principal	9,007	4,271	4,672	4,988	5,150	205,066	13,267	12,852
TOTAL DEBT SERVICE	**$20,087**	**$14,464**	**$14,539**	**$6,970**	**$7,948**	**$211,872**	**$21,515**	**$20,854**
TRANSFERS IN (OUT)								
Capital Contribution	$7,211	$5,090	$2,985	$2,513	$779	($5,087)	($4,788)	$817
Debt Service	(3,118)	(3,128)	(3,215)	(3,317)	(3,266)	(3,266)	1,056	1,635
Capital - Connection Fees Allocation	(7,909)	(6,020)	(5,006)	(5,074)	(5,280)	(5,108)	(2,915)	(1,929)
TOTAL INTERFUND TRANSFERS IN (OUT)	**($3,817)**	**($4,058)**	**($5,236)**	**($5,878)**	**($7,767)**	**($13,460)**	**($6,646)**	**$522**
FUND BALANCE								
Net Increase (Decrease)	($18,323)	($41,373)	($6,416)	$33,785	$10,975	($9,371)	($1,541)	$35,382
Beginning Fund Balance July 01	310,615	292,292	250,919	244,503	278,288	289,263	279,892	278,351
ENDING FUND BALANCE AT JUNE 30*	**$292,292**	**$250,919**	**$244,503**	**$278,288**	**$289,263**	**$279,892**	**$278,351**	**$313,733**
RESERVE BALANCE SUMMARY								
Operating Contingency	$1,455	$1,738	$2,245	$2,899	$3,025	$3,159	$3,350	$3,607
Capital Construction	181,642	157,826	207,892	222,213	209,715	179,236	162,773	184,401
CCRA Capital Construction	91,465	81,170	24,079	41,962	57,822	72,716	88,685	102,494
Debt Service & Redemption	17,730	10,186	10,287	11,214	18,701	24,782	23,543	23,232
ENDING BALANCE AT JUNE 30	**$292,292**	**$250,919**	**$244,503**	**$278,288**	**$289,263**	**$279,892**	**$278,351**	**$313,733**

**Numbers may not tie due to rounding*

INLAND EMPIRE UTILITIES AGENCY
FISCAL YEAR 2023/24 & 2024/25 BIENNIAL BUDGET
REGIONAL WASTEWATER OPERATIONS & MAINTENANCE FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
	ACTUAL	ACTUAL	PROJECTED ACTUAL	PROPOSED BUDGET	PROPOSED BUDGET	FORECAST		
REVENUES								
User Charges	$71,362	$75,729	$77,810	$83,142	$88,529	$94,290	$97,594	$101,001
Cost Reimbursement JPA	4,175	3,580	3,718	4,733	4,875	5,021	5,172	5,327
Contract Cost Reimbursement	101	249	206	206	5	5	5	5
Interest Revenue	851	489	1,400	1,400	1,400	1,400	1,400	1,300
TOTAL REVENUES	**76,489**	**80,047**	**83,134**	**89,481**	**94,809**	**100,716**	**104,171**	**107,633**
OTHER FINANCING SOURCES								
Property Tax Revenues - Debt/Capital/Re	$8,726	$16,465	$17,822	$18,178	$18,469	$18,765	$19,067	$19,374
State Loans	-	-	-	17,300	28,500	26,200	22,000	27,500
Grants	-	90	-	-	-	-	-	-
Other Revenues	65	92	100	80	80	80	80	80
TOTAL OTHER FINANCING SOURCES	**8,791**	**16,647**	**17,922**	**35,558**	**47,049**	**45,045**	**41,147**	**46,954**
EXPENSES								
Employment Expenses	$34,664	$28,148	$36,400	$42,349	$46,055	$46,567	$50,178	$55,552
Contract Work/Special Projects	7,668	5,589	6,890	6,793	5,235	6,400	7,228	5,440
Utilities	6,762	7,003	7,857	10,079	11,759	12,114	12,479	12,856
Operating Fees	1,193	1,855	2,414	2,654	2,848	2,943	3,115	3,153
Chemicals	5,402	6,313	9,884	9,681	10,975	11,143	11,400	11,664
Professional Fees and Services	2,881	2,852	3,762	3,859	3,972	4,677	4,849	5,052
Office and Administrative expenses	-	1	19	0	0	0	0	0
Biosolids Recycling	4,611	5,013	4,416	5,450	5,712	5,923	6,098	6,273
Materials & Supplies	1,840	2,256	2,141	2,590	2,704	2,791	2,882	2,975
Other Expenses	2,589	3,241	4,623	6,498	6,665	7,765	8,128	8,473
TOTAL EXPENSES	**67,612**	**62,271**	**78,407**	**89,952**	**95,925**	**100,323**	**106,357**	**111,439**
CAPITAL PROGRAM								
Capital Construction & Expansion (WIP)	$27,212	$14,925	$15,500	$33,566	$45,247	$28,510	$32,200	$23,650
TOTAL CAPITAL PROGRAM	**27,212**	**14,925**	**15,500**	**33,566**	**45,247**	**28,510**	**32,200**	**23,650**
DEBT SERVICE								
Interest	$674	$608	$565	$573	$548	$522	$1,883	$1,832
Principal	761	784	806	849	874	900	1,545	1,511
TOTAL DEBT SERVICE	**1,440**	**1,392**	**1,372**	**1,422**	**1,422**	**1,422**	**3,429**	**3,344**
TRANSFERS IN (OUT)								
Capital Contribution	($8,511)	($6,540)	($5,335)	($4,500)	($5,100)	($1,300)	($1,000)	($2,599)
Debt Service	124	114	114	114	114	114	(4,209)	(4,209)
Operation support	(52)	(530)	(277)	(528)	(373)	(373)	(373)	(1,574)
Capital - Connection Fees Allocation	6,448	4,374	3,059	2,865	2,997	2,295	654	535
TOTAL INTERFUND TRANSFERS IN (OUT)	**(1,991)**	**(2,582)**	**(2,438)**	**(2,049)**	**(2,362)**	**737**	**(4,927)**	**(7,847)**
FUND BALANCE								
Net Increase (Decrease)	($12,974)	$15,523	$3,339	($1,951)	($3,098)	$16,243	($1,595)	$8,306
Beginning Fund Balance July 01	89,725	76,750	92,273	95,612	93,661	90,563	106,807	105,211
ENDING FUND BALANCE AT JUNE 30	**76,750**	**92,273**	**95,612**	**93,661**	**90,563**	**106,807**	**105,211**	**113,518**
RESERVE BALANCE SUMMARY								
Operating Contingencies	$21,145	$18,606	$24,604	$28,407	$30,350	$31,767	$33,728	$35,371
Rehabilitation/Replacement	17,792	35,854	33,221	27,418	22,376	35,196	31,724	37,720
Debt Service	1,398	1,398	1,372	1,422	1,422	3,429	3,344	4,012
Sinking Fund	36,415	36,415	36,415	36,415	36,415	36,415	36,415	36,415
ENDING BALANCE AT JUNE 30	**76,750**	**92,273**	**95,612**	**93,661**	**90,563**	**106,807**	**105,211**	**113,518**

** Numbers may not tie due to rounding*

INLAND EMPIRE UTILITIES AGENCY
FISCAL YEAR 2023/24 & 2024/25 BIENNIAL BUDGET
RECYCLED WATER FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
	ACTUAL	ACTUAL	PROJECTED ACTUAL	ADOPTED BUDGET	ADOPTED BUDGET	FORECAST		
REVENUES								
Interest Revenue	$222	$237	$967	$815	$606	$654	$793	$902
Water Sales	18,095	19,643	19,716	21,853	23,967	25,224	26,513	27,281
TOTAL REVENUES	**$18,316**	**$19,880**	**$20,683**	**$22,668**	**$24,573**	**$25,879**	**$27,306**	**$28,182**
OTHER FINANCING SOURCES								
Property Tax - Debt/Capital	$2,170	$2,863	$2,961	$3,161	$3,212	$3,264	$3,316	$3,369
Connection Fees	5,700	8,749	4,326	7,015	7,226	7,371	7,518	7,668
Debt Proceeds	0	0	0	0	0	14,000	37,000	41,000
Grants	10,692	239	0	309	16,009	9,000	2,000	26,000
Capital Contract Reimbursement	0	92	355	94	96	97	98	100
Other Revenues	97	394	(87)	0	0	0	0	0
TOTAL OTHER FINANCING SOURCES	**$18,660**	**$12,338**	**$7,555**	**$14,580**	**$30,476**	**$33,732**	**$55,932**	**$78,137**
EXPENSES								
Employment Expenses	$5,022	$4,562	$5,464	$7,168	$7,796	$7,882	$8,494	$9,403
Contract Work/Special Projects	544	1,098	793	1,845	1,912	1,365	1,367	1,345
Operating Fees	5	0	5	10	10	11	11	11
Professional Fees and Services	464	649	1,078	1,081	1,159	1,244	1,266	1,289
Office and Administrative expenses	1	1	5	8	8	9	9	9
Materials & Supplies	107	174	134	138	142	147	151	155
Other Expenses	731	872	744	1,786	1,826	2,113	2,210	2,302
TOTAL EXPENSES	**$9,348**	**$11,736**	**$12,679**	**$16,114**	**$17,541**	**$17,597**	**$18,480**	**$19,637**
CAPITAL PROGRAM								
Work In Progress	$3,626	$649	$2,826	$15,622	$23,755	$30,465	$49,250	$53,750
TOTAL CAPITAL PROGRAM	**$3,626**	**$649**	**$2,826**	**$15,622**	**$23,755**	**$30,465**	**$49,250**	**$53,750**
DEBT SERVICE								
Financial Expenses	$1	$5	$4	$5	$6	$6	$6	$6
Interest	2,897	2,892	2,961	2,628	2,258	1,893	1,698	1,508
Principal	5,773	6,085	6,214	6,544	6,692	6,065	6,265	5,877
Short Term Inter-Fund Loan	4,933	10,000	5,000	6,000	5,500	0	0	0
TOTAL DEBT SERVICE	**$13,604**	**$18,983**	**$14,179**	**$15,178**	**$14,455**	**$7,965**	**$7,969**	**$7,391**
TRANSFERS IN (OUT)								
Capital Contribution	($47)	($197)	($198)	($200)	($385)	($654)	($633)	($277)
Debt Service	2,539	2,535	2,546	2,675	2,673	2,673	2,674	2,098
Operation support	(413)	(870)	(1,190)	(1,682)	(1,313)	(1,327)	(1,413)	(1,584)
Water Connection Allocation	(789)	(524)	(1,717)	(2,236)	(724)	(820)	(804)	(567)
TOTAL INTERFUND TRANSFERS IN (OUT)	**$1,290**	**$944**	**($559)**	**($1,442)**	**$252**	**($127)**	**($176)**	**($330)**
FUND BALANCE								
Net Increase (Decrease)	$11,688	$1,794	($2,005)	($11,108)	($451)	$3,456	$7,363	$25,212
Beginning Fund Balance July 01	34,974	46,662	48,456	46,451	35,343	34,893	38,349	45,712
ENDING BALANCE AT JUNE 30	**$46,662**	**$48,456**	**$46,451**	**$35,343**	**$34,893**	**$38,349**	**$45,712**	**$70,924**
RESERVE BALANCE SUMMARY								
Operating Contingency	$3,116	$3,912	$4,226	$5,371	$5,847	$5,866	$6,160	$6,546
Capital Construction	13,265	9,505	11,029	2,973	4,953	5,173	9,616	31,242
Water Connection	19,472	24,230	21,731	16,044	14,127	16,342	19,545	22,597
Rehabilitation/Replacement (R&R)	1,500	1,500	1,500	2,000	2,000	3,000	3,000	4,000
Debt Service	9,309	9,309	7,965	8,955	7,965	7,969	7,391	6,539
ENDING BALANCE AT JUNE 30	**$46,662**	**$48,456**	**$46,451**	**$35,343**	**$34,893**	**$38,349**	**$45,712**	**$70,924**

** Numbers may not total due to rounding*

Appendix Table A1: Key Assumptions for FYs 2023/24 and 2024/25 Budget

Revenues and Other Funding Sources	Expenses and Other Uses of Funds
New Wastewater Connections fee rate of $8,132 in FY 2023/24 and $8,620 FY 2024/25. Based on 3,000 new EDU connections.	Supports debt service costs for the construction of new capital projects
7% increase in EDU monthly rate starting in FY 2023/24 and 6% increase in EDU monthly rate in FY 2024/25, applied over 3.5 million annual EDU @ 0.50% annual growth	Increase staffing to support Agency Objectives and Optimize organizational development and effectiveness.
Recycled Water Deliveries for FY 2023/24 and 2024/25 34,000 AF each fiscal year	
3,700 new water connections (MEU) for rate of $1,896 for FY2023/24 and $1,953 for FY 2024/25	Supports debt service and capital project expenses
2% average growth in property tax receipts. Maintaining allocation among funds: Regional Wastewater Capital 65%, Regional Wastewater O&M 23%, Recycled Water 4%, Water Resources Fund 3.5%, and Administrative Services Fund 4.5%.	
Capital Improvement Plan (CIP) partially dependent upon Federal Loans, low interest State Revolving Fund Loans and proposed new debt.	Debt, loan, and grants to support major construction projects such as the construction of RP-1 Thickening and completion of RP-5 Expansion projects

Appendix Table A2: Wastewater Connection Fees

Rate Description	FY 2023/24 Adopted	FY 2024/25 Adopted
Projected New Connections	3,000	3,000
Wastewater Connection Fee	$8,132	$8,620
Rate change	7%	6%
Effective Date	7/01/23	7/01/24

Appendix Table A3: Monthly EDU Sewage Rates

	FY 2023/24 Adopted	FY 2024/25 Adopted
EDU Monthly Rate	$23.39	$24.79
Rate Change	7%	6%
Effective Date	7/01/23	7/01/24

Appendix Table A4: Recycled Water Rates

Rate Description	FY 2023/24 Adopted	FY 2024/25 Adopted
Projected Acre Feet (AF)	34,000	34,000
Direct AF Rate	$510	$465
Groundwater Recharge AF Rate	$660	$665
Fixed Cost Recovery	$2.4M	$5.0M

Appendix Table A5: Water Connection Fees

Rate Description	FY 2023/24 Adopted	FY 2024/25 Adopted
Projected Meter Equivalent Units (MEUs)	3,700	3,700
One Water Connection Fee (for 5/8" and 3/4" meter size)	$1,896	$1,953
Effective Date	7/01/23	7/01/24

Appendix Table A6: Inter-Fund Loan Repayment Schedule

Inter Fund Loans Issued	Due to	Loan Amount ($Millions)	Repayment Schedule ($ Millions)
FY 2007/08	Regional Wastewater Capital (RC) Fund	$3.0	2022/23 $2.0 2023/24 $1.0 Total $3.0
FY 2014/15	Regional Wastewater Capital Improvement (RC) Fund	10.5	2023/24 $5.0 2024/25 $5.5 Total $10.5
Total	**Grand Total**	**$13.5**	**$13.5**

Inland Empire Utilities Agency
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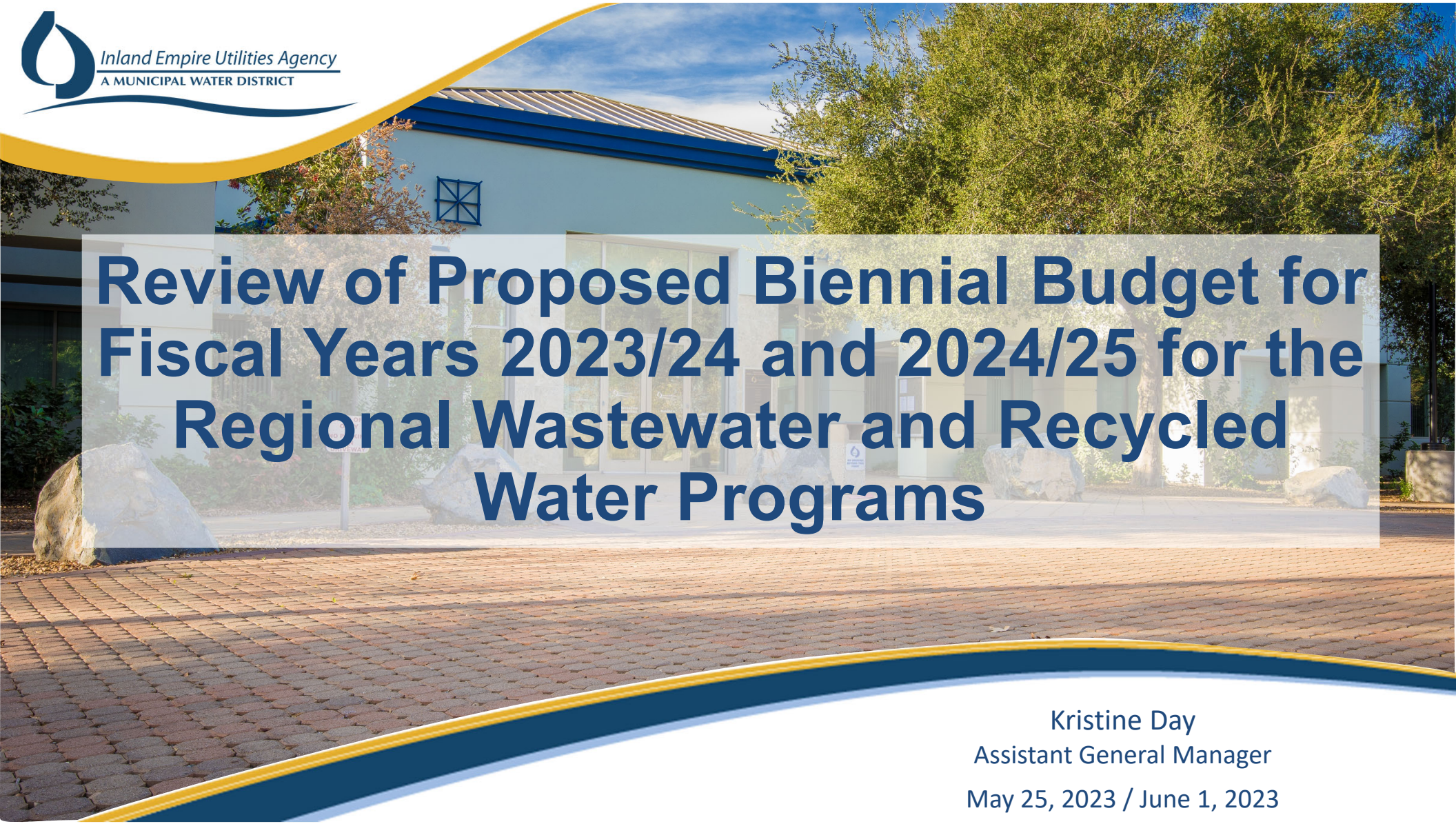


Review of Proposed Biennial Budget for Fiscal Years 2023/24 and 2024/25 for the Regional Wastewater and Recycled Water Programs

Kristine Day
Assistant General Manager

May 25, 2023 / June 1, 2023

Adopted Rates and Fees

Fund	Wastewater Operations	Wastewater Capital	Recycled Water			
As of July 1	Monthly Sewer (EDU)	Wastewater Connection Fee (EDU)	Fixed Cost Recovery ***	Recycled Water Direct Use (AF)***	Recycled Water Recharge (AF)***	One Water Connection Fee (MEU)**
FY 2020/21*	$20.00	$6,955	-	$490	$550	$1,684
FY 2021/22	$21.22	$7,379	-	$520	$580	$1,787
FY 2022/23	$21.86	$7,600	$1.11M	$516	$616	$1,841
FY 2023/24	$23.39	$8,132	$2.36M	$510	$660	$1,896
FY 2024/25	$24.79	$8,620	$4.96M	$465	$665	$1,953

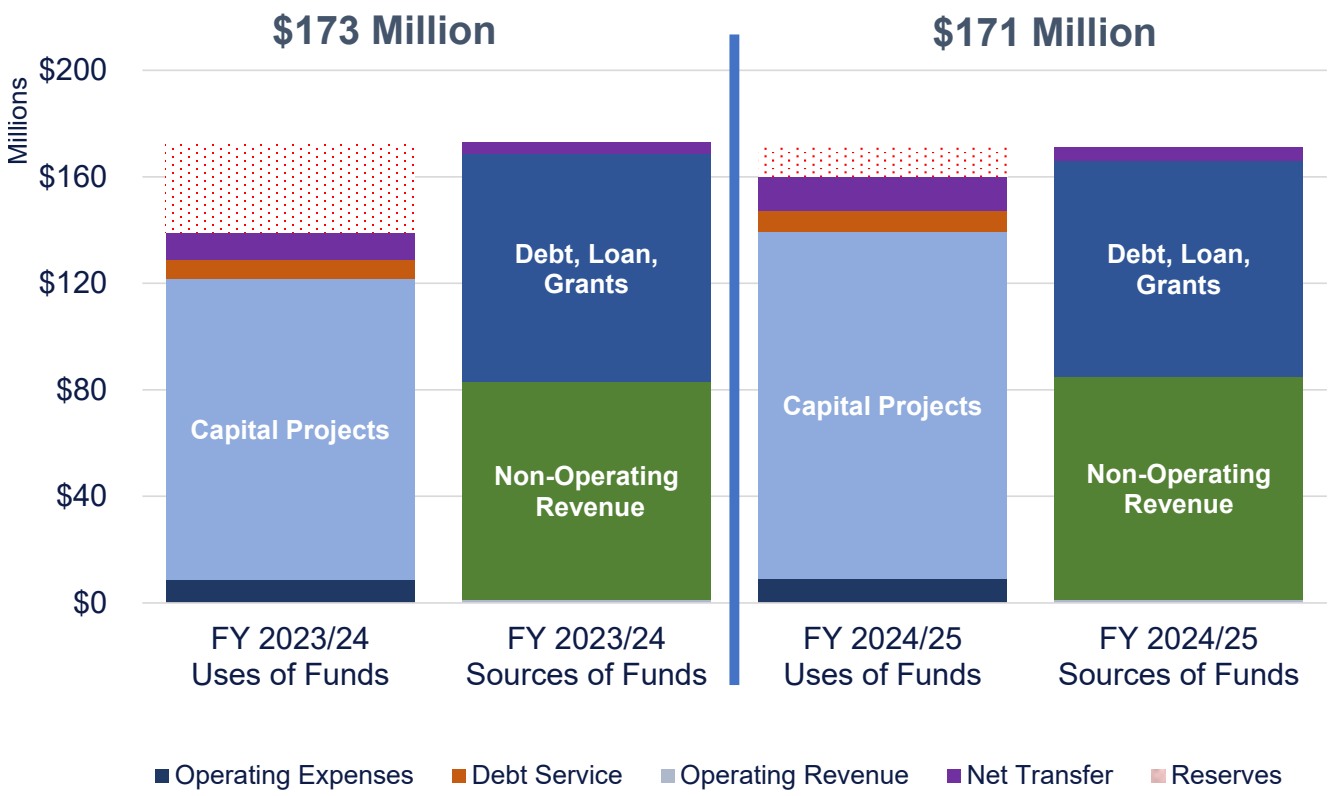
**On May 6, 2020, the Board approved to defer rate increases and maintain the rates unchanged for FY 2020/21*
***Rates for FYs 2020/21 through 2024/25 adopted July 2020*
**** Rates for FYs 2022/23 through 2024/25 adopted June 2022*

Property Tax Allocation

- Maintain property tax fixed percent allocation

Fund	Current Allocation Fixed %	FY 2022/23 Projected Actual	FY 2023/24 Proposed	FY 2024/25 Proposed
Regional Wastewater Capital	65%	$50.4M	$51.4M	$52.2M
Regional Wastewater Operations	23%	$17.8M	$18.2M	$18.5M
Recycled Water	4%	$2.9M	$3.1M	$3.2M
Administrative Services	4.5%	$3.5M	$3.5M	$3.6M
Water Resources	3.5%	$2.7M	$2.8M	$2.8M
Total		**$77.3M**	**$79.0M**	**$80.3M**

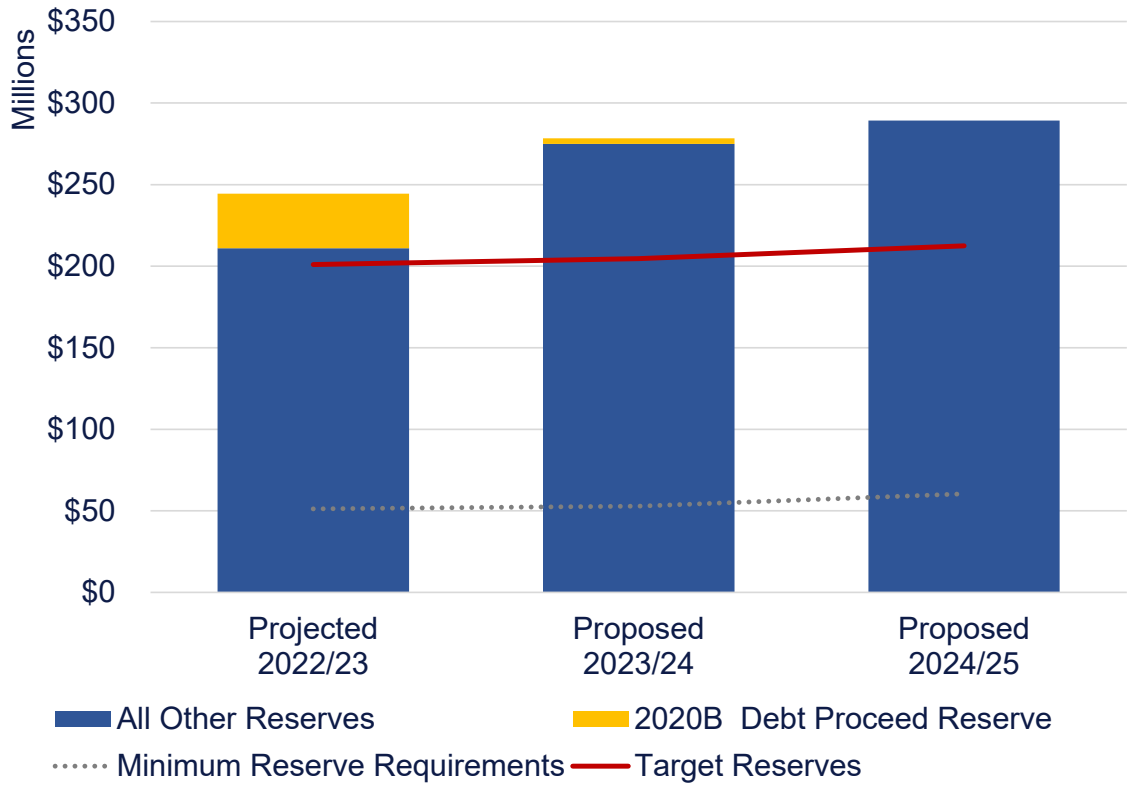
Wastewater Capital Improvement Fund Total Sources and Uses of Funds



Major Projects:

- RP-1 Thickening Building & Acid
- RP-5 Expansion
- RP-1 Solids & Liquid Treatment
- Asset Management Improvements
- Carbon Canyon Wastewater Reclamation Facility (CCWRF) Asset Management

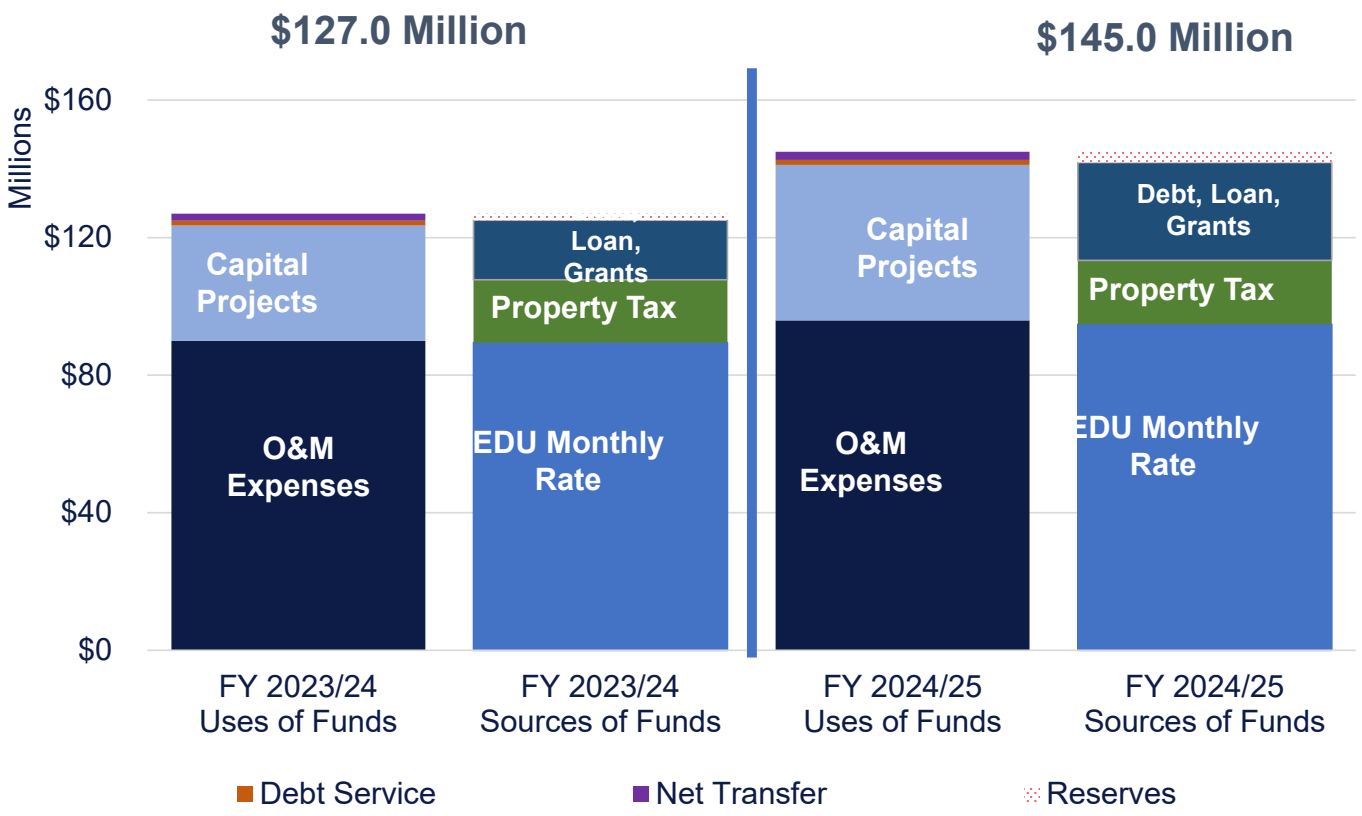
Wastewater Capital Improvement Fund Fund Reserves



Stable reserves for planned capital project expenditures:

- Use of 2020B Revenue Notes (RP-5 Expansion)
- Use of connection fees
- Use of Property Tax
- State loans and grants

Wastewater Operations & Maintenance Fund Total Sources and Uses of Funds

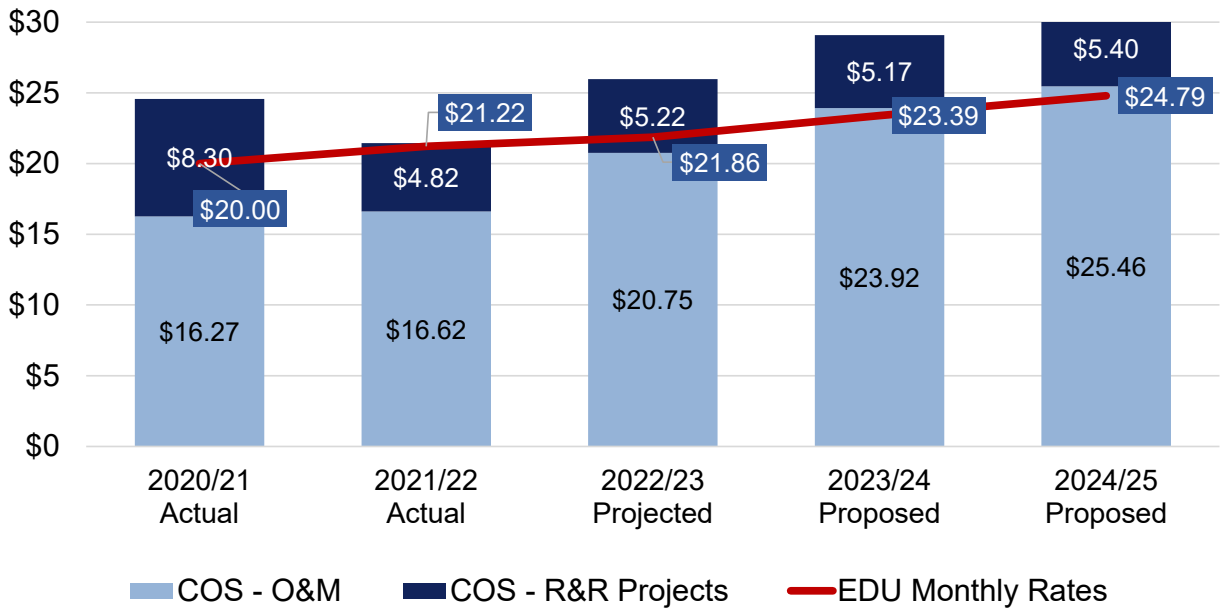


Major Projects:

- RP-4 Advanced Water Purification Facility (9 TAFY) cost related to design funded through property tax
- SCADA Enterprise System
- RP-1 Secondary System Rehabilitations
- RP-4 Process Improvements Phase II
- RP-1 Influent Pump Station Electrical Improvements

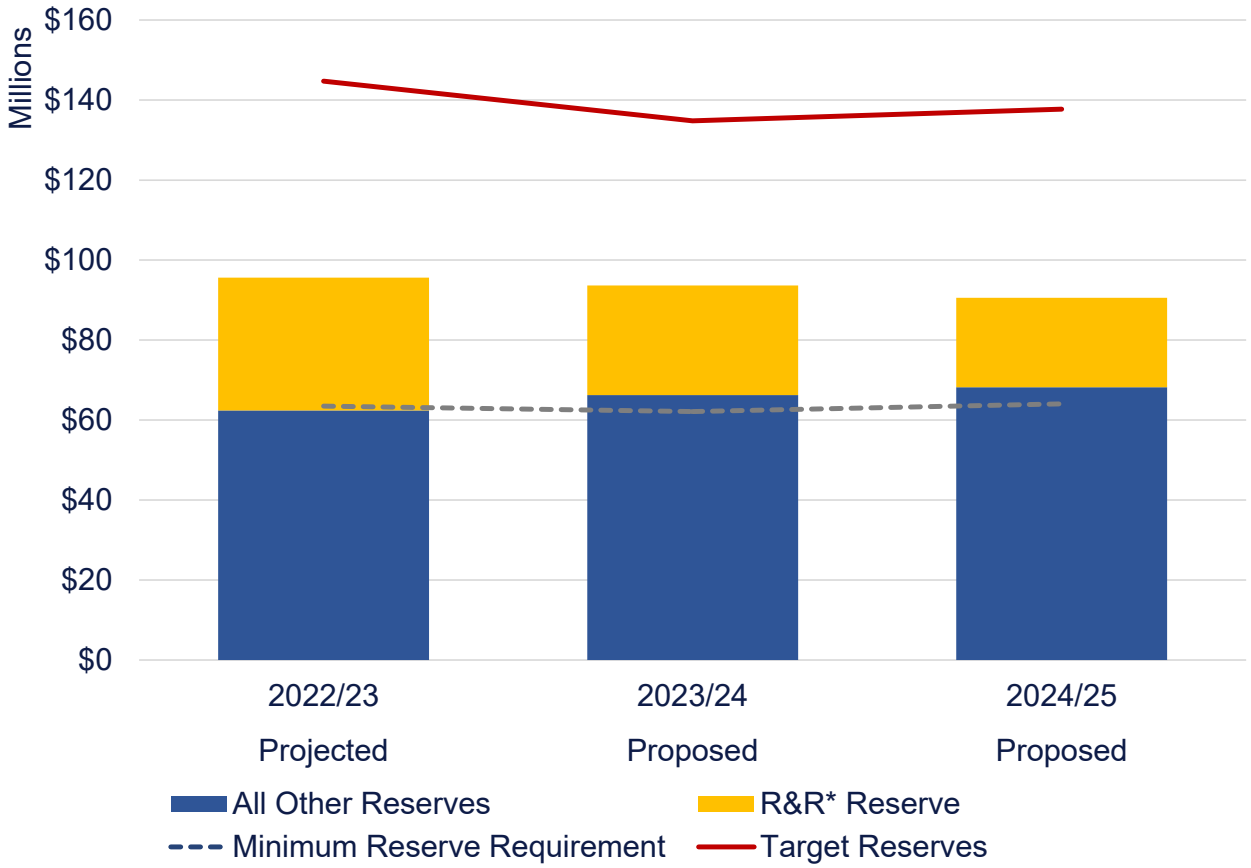
Wastewater Operations & Maintenance Fund Cost of Service/EDU

	2022/23 Adopted	2023/24 Proposed	2024/25 Proposed
Monthly EDU Rate	**$21.86**	**$23.39**	**$24.79**



- COS components include O&M, R&R Projects, and Debt Service
- Sewer use study underway
- Replacement and rehabilitation (R&R) project costs not recovered by rates will be supported by property taxes and reserves

Wastewater Operations & Maintenance Fund Fund Reserves



- Stable reserves after property taxes and reserves to support planned R&R* capital projects

Rehabilitation & Replacement

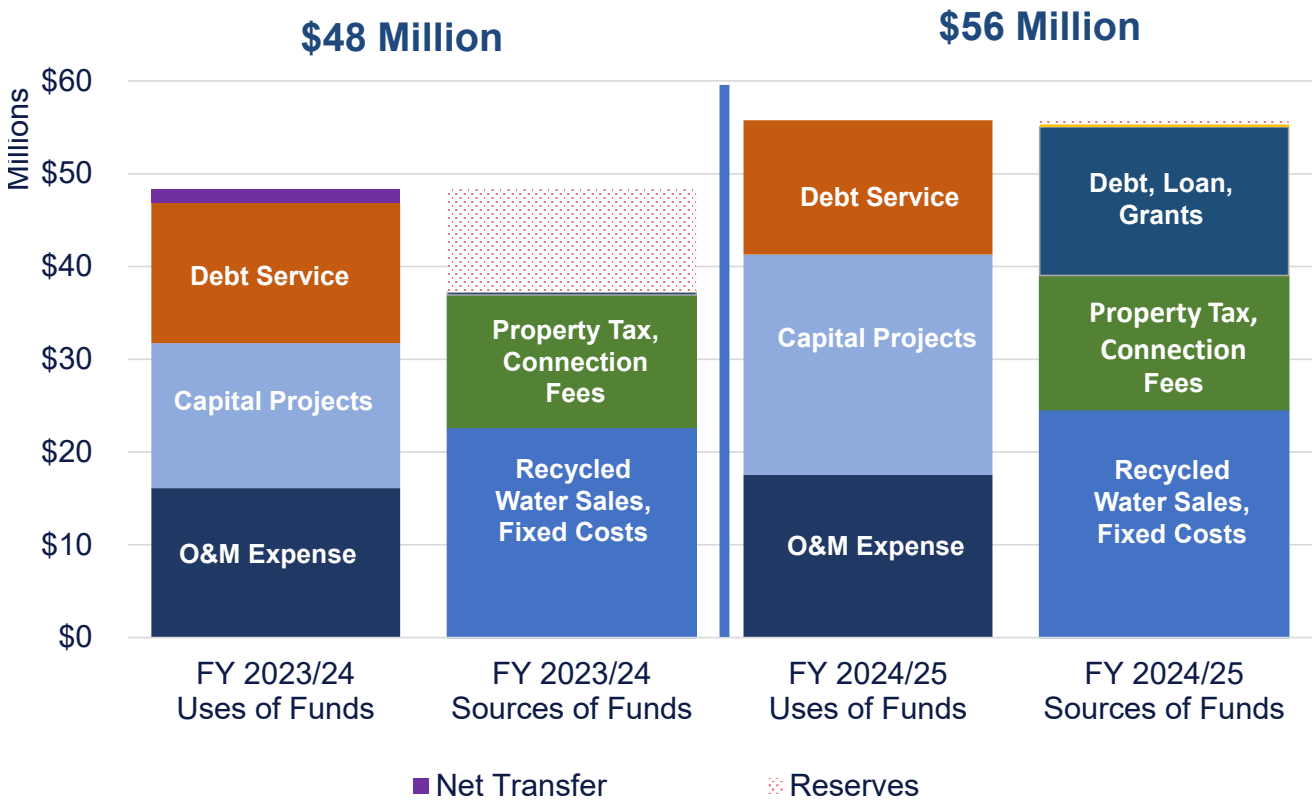
Funding Sources
Advance Water Purification Facility (AWPF) Design

- The AWPF is a single construction project of a 15-thousand-acre feet year (TAFY) facility. Currently, the allocation of costs is divided between compliance 60 percent (9TAFY) and recycled water 40 percent (6TAFY).

- For FY 2023/24 and FY 2024/25 the cost associated to the AWPF are only related to the design of the facility for a total of $1.1 million and $3.6 million, respectively.

- The compliance funding sources for these two fiscal years is derived from property taxes in amount of $2.6 million. The recycled water component will be funded through the grant from the California Water Commission in the amount of $2.1 million.

Recycled Water Fund
Total Sources and Uses of Funds



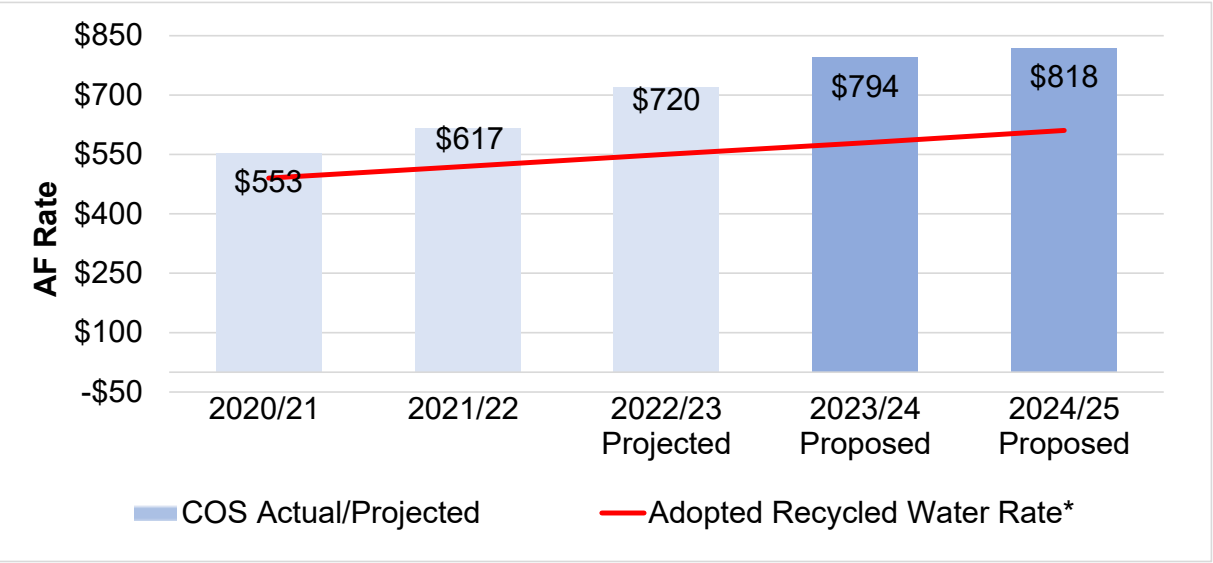
Major Projects:

- RP-4 Advanced Water Purification Facility (6 TAFY*) cost related to design funded through grants
- Replenishing Facilities
- Recycled Water Interconnection to the City of Rialto
- Recycled Water Connections to Jurupa Community Services District

**Thousand Acre Feet per Year*

Recycled Water Fund Cost of Service/AF

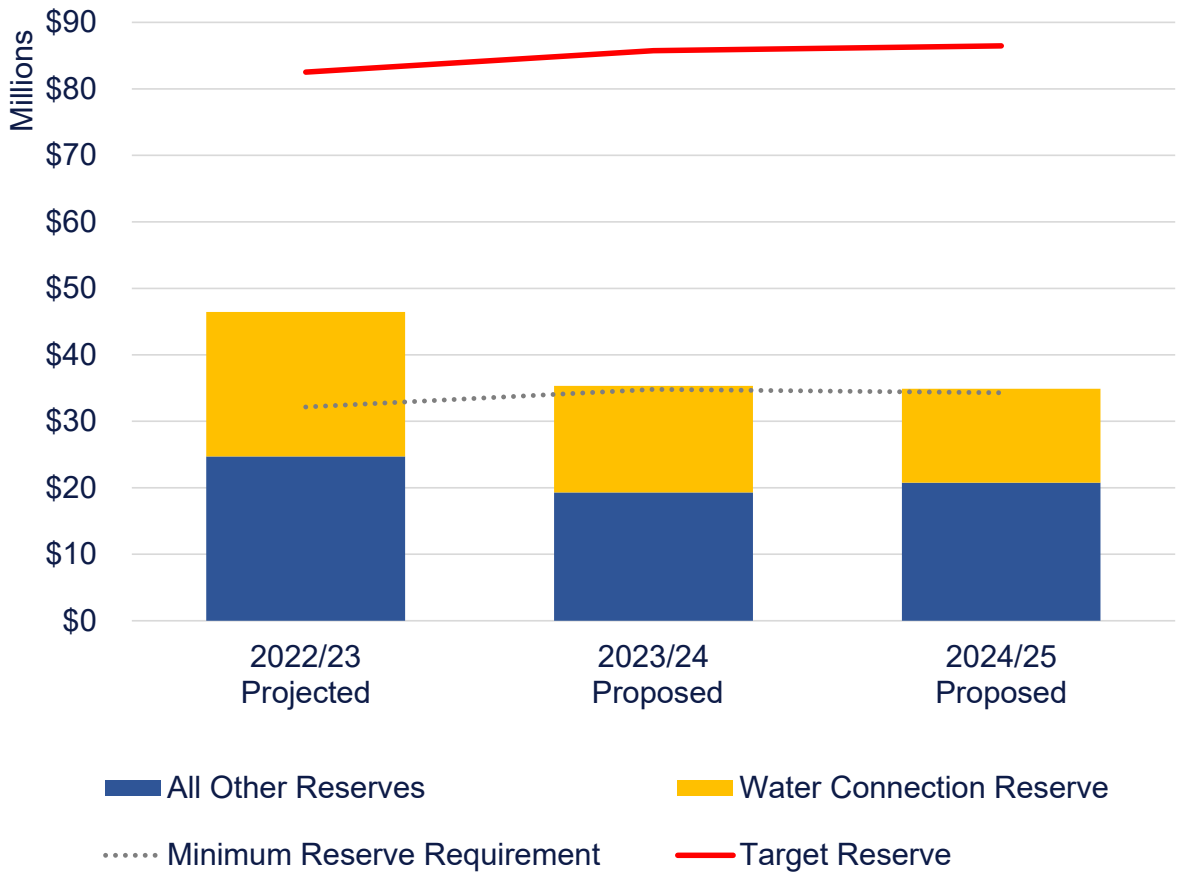
Recycled Water Acre Foot Rate	2022/23 Adopted	2023/24 Adopted	2024/25 Adopted
Direct Delivery	$516	$510	$465
Groundwater Recharge	$616	$660	$665
Fixed Cost Recovery	$1.1M	$2.4M	$5.0M



*Adopted Recycled Water rate includes Fixed Cost Recovery equivalent amount

- Cost of service components include O&M, CIP, and Debt Service
- June 2022 Recycled Water Rate Structure changed to include Fixed Cost Recovery to support debt service costs
- COS shortfall is supported by Fixed Cost Recovery and reserves

Recycled Water Fund Reserves



- Projected decrease to support planned capital project costs.
- Agency will continue to pursue federal and state grants to support implementation of projects
- Maintain reserve levels above the minimum requirements

Staff's Recommendation

Staff requests that the Regional Committees recommend approval to the IEUA Board of Directors (Board) for the proposed FYs 2023/24 and 2024/25 Biennial Budget for the Agency's Regional Wastewater Capital Improvement Fund and the Regional Wastewater Operations and Maintenance Fund.

Biennial Budget Review and Approval Timeline

Month	Budget Item	IEUA Committee	IEUA Board	Regional Technical	Regional Policy
Mar 2023	FY 2023/24 – 2024/25 Wastewater Cost of Service and Proposed Rates workshop		3/01/23	3/30/23	4/6/23
Apr 2023	Adoption of Service Rates (EDUs), Wastewater Connection Fees, and Extra-Territorial Service Charges	4/12/23	4/19/23		
	Regional Program Budgets (Wastewater and Recycled Water) Information Item	4/12/23	4/19/23	4/27/23	5/4/23
May 2023	Non-Reclaimable Wastewater, Groundwater Recharge, Water Resources, and Administrative services Budgets	5/10/23	5/17/23		
Jun 2023	Recommend to the board to adopt Biennial Budget for the Regional Wastewater Capital and Operations & Admin Program			5/25/23	6/1/23
Jun 2023	Proposed to adopt the FYs 2023/24 – 2024/25 Biennial Budget, Rate Resolutions, and TYCIP	6/14/23	6/21/23		

Questions

INFORMATION ITEM

3A

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Ten-Year Capital Improvement Plan
Ten-Year Sewer Capital Forecast
FY 2023/24 - FY 2032/33

Jerry Burke, P.E.

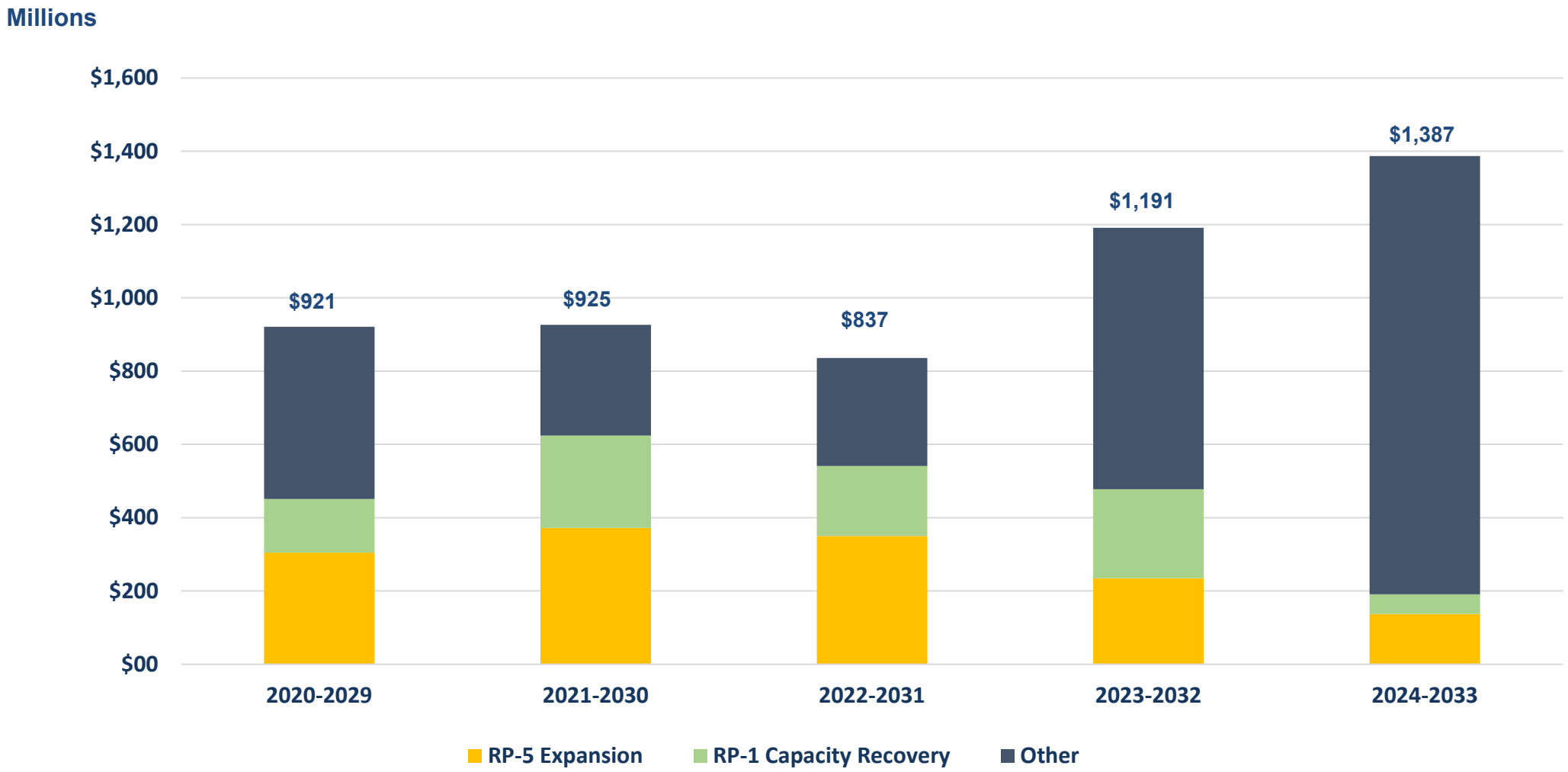
Director of Engineering

June 2023

Ten-Year Capital Improvement Plan (TYCIP)

- Comprehensive planning document that lists capital projects planned over the next 10-years
  - Administrative Services
  - Non-Reclaimable Wastewater
  - Regional Wastewater Capital Improvement
  - Regional Wastewater Operations and Maintenance
  - Groundwater Recharge
  - Recycled Water
  - Water Administration
- Agency wide effort
- Promotes transparency into Agency capital activities

Proposed TYCIP $1,387
FYs 2024- 2033

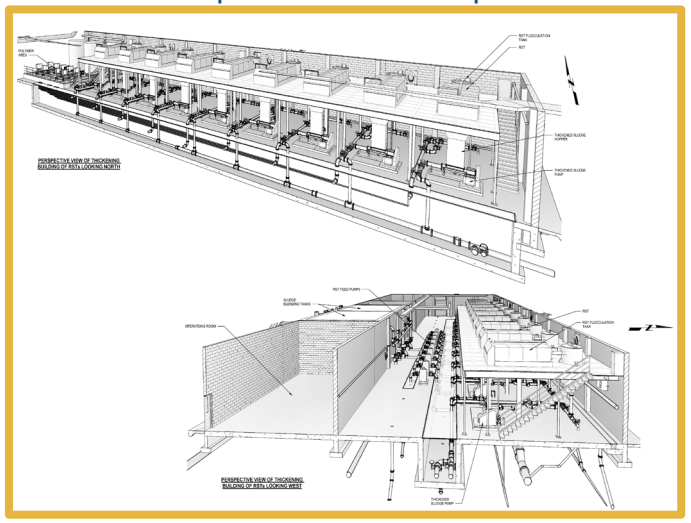


Major TYCIP Projects

- Completion of RP-5 Expansion
- Advanced Water Purification
- Recycled Water Program Expansion (Replenishment Wells & External Supplies)
- RP-1 Thickening Building & Acid Phase Digester
- RP-1 Liquid Treatment Capacity Recovery
- Recycled Water Interconnection City of Rialto
- 6 Thousand Acre Feet Year AWPF

Completion of RP-5 Expansion

Advanced Water Treatment



RP-1 Thickening Building & Acid Phase Digester

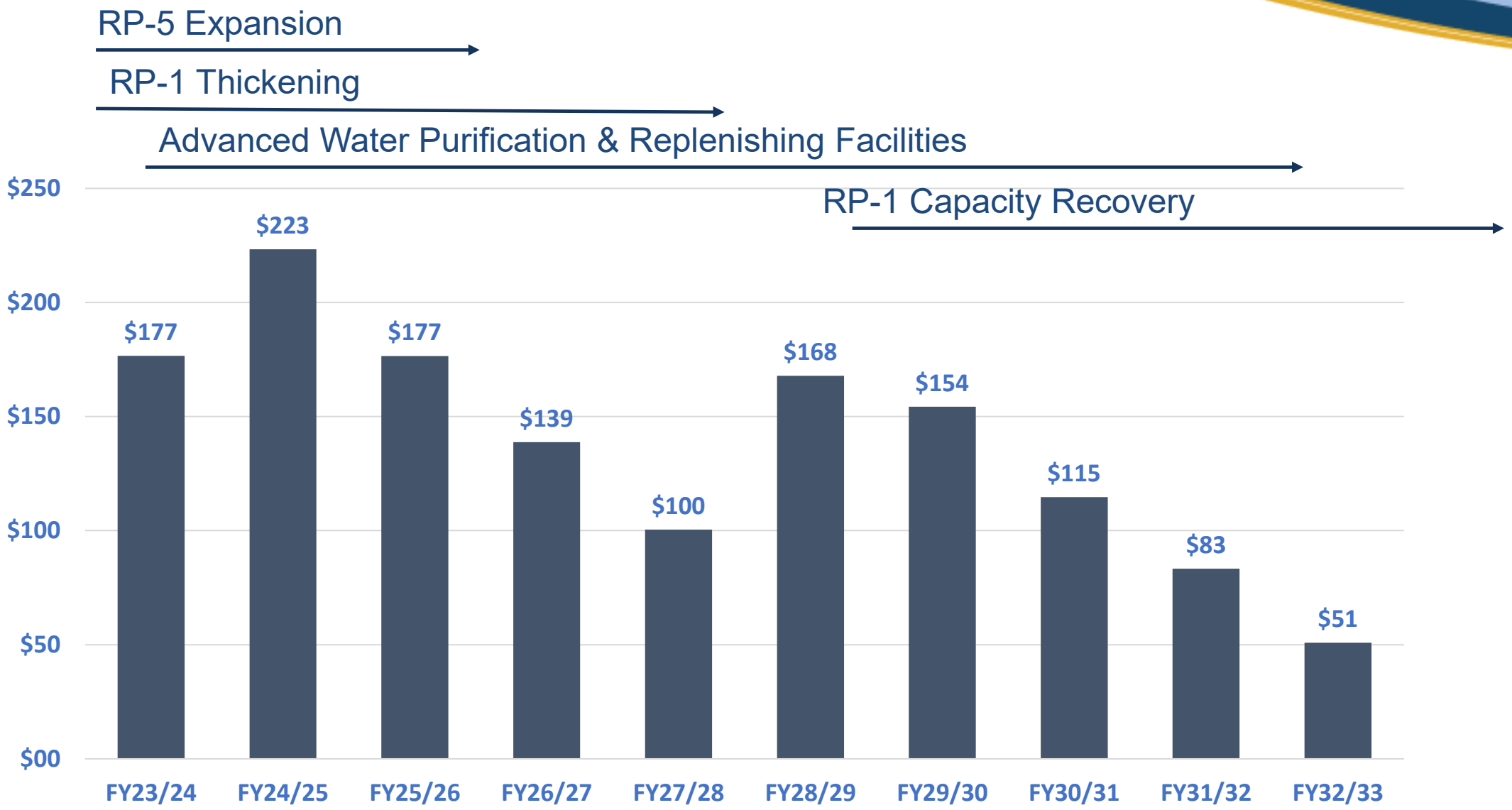
RP-1 Liquid Treatment Capacity Recovery

Major Capital Improvement Projects over $50 million

- List of major wastewater capital improvement projects
  - 8 out of 30 total projects
  - Over $750 million in ten-year spending

Ten-Year Forecast Projected Spending ($ in Millions)											
Project Name	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	FY30/31	FY31/32	FY32/33	Total TYCIP FY2024-2033
Injection Facilities	$2.5	$3.5	$6.8	$10.5	$12.5	$16.5	$17.0	$16.5	$5.3	$0.0	$91.0
RW Interconnection to the City of Rialto	$0.7	$7.0	$7.0	$11.5	$11.5	$14.5	$5.5	$1.0	$0.5	$0.0	$59.2
Advanced Water Purification Facility	$0.6	$2.5	$12.5	$22.7	$19.5	$46.5	$35.8	$18.3	$7.3		$165.5
RP-5 Expansion to 30 mgd	$46.6	$33.1	$7.0								$86.7
RC Asset Management	$0.3	$2.4	$8.0	$8.0	$8.0	$8.0	$8.0	$8.0	$8.0	$8.0	$66.7
RP-1 Thickening Building & Acid Phase Digester	$15.0	$45.0	$65.0	$26.5	$0.5						$152.0
RP-1 Liquid Treatment Capacity Recovery						$2.0	$13.0	$13.0	$13.0	$13.0	$54.0
6 TAFY AWPF	$0.5	$1.6	$8.0	$15.0	$13.0	$31.0	$24.0	$12.0	$5.0	$0.0	$110.0

Ten-Year Capital Improvement Plan



*All values rounded to nearest million ($)

Ten-Year Forecast (TYF)

- Ensures compliance with Regional Sewage Service Ordinance 111
- Planning document
- Contains supplemental wastewater information

Wastewater Capital Spending Comparison

- Approved FY 2022/23 Ten-Year Regional Wastewater Capital Spending $544 Million
- Projected FY 2023/24 Ten-Year Regional Wastewater Capital Spending $522 Million

RP-5 Expansion (Picture from February 2022)

**FY 2023/24 wastewater capital spending is from the Projected IEUA budget*

Staff's Recommendation

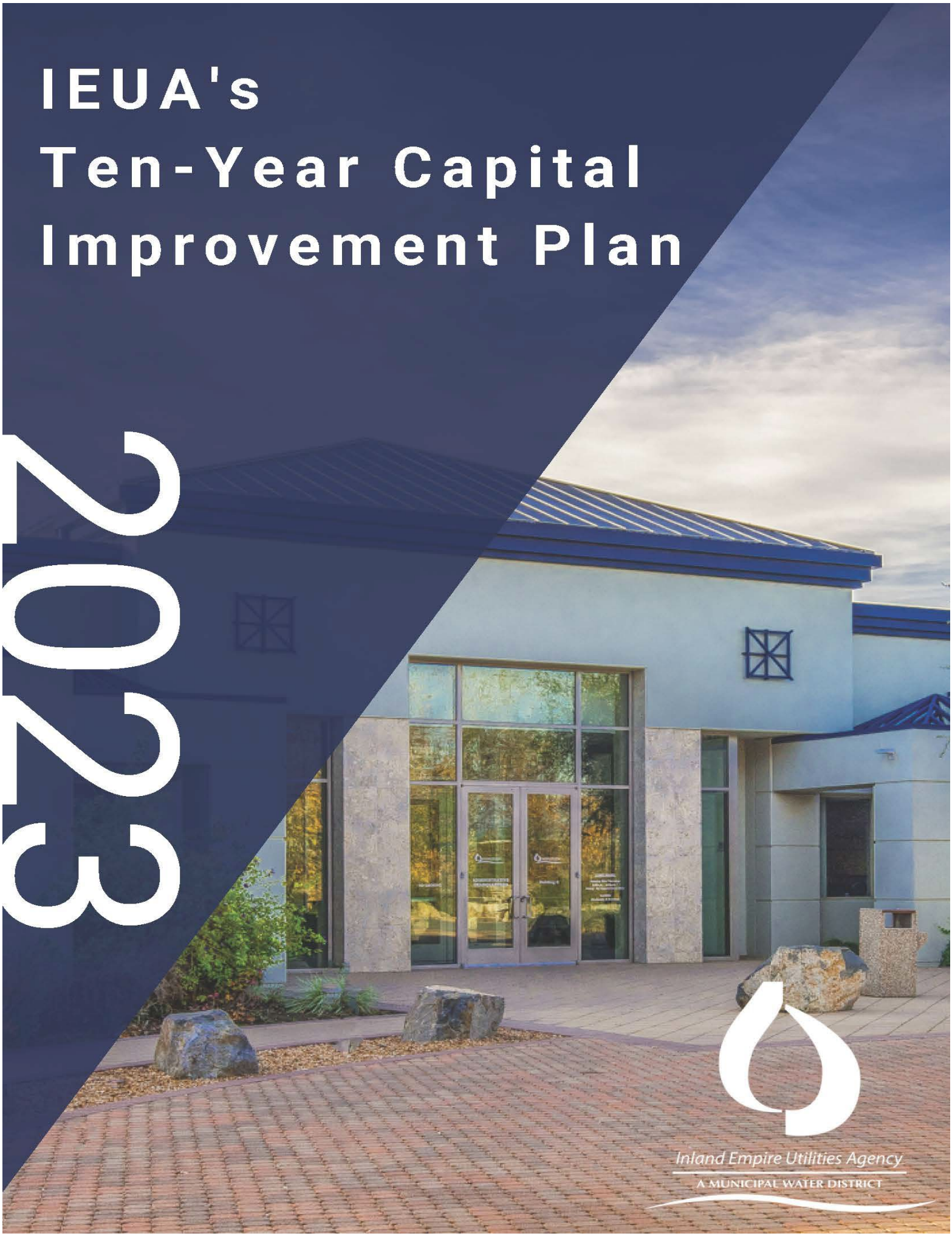
1. Approve the Fiscal Year 2023/24-2033/34 Ten-Year Capital Improvement Plan.; and

2. Approve the Total Project Budget increases for existing projects to align with the Ten-Year Capital Improvement Plan.

The Ten-Year Capital Improvement Plan is consistent with ***IEUA's Business Goal of Wastewater Management*** that ensures quality asset management and that systems are planned, constructed, and managed to protect public health, the environment, and meet anticipated regulatory requirements.

IEUA's Ten-Year Capital Improvement Plan

2023



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Contents

ABBREVIATIONS

AF: Acre Feet

CVWD: Cucamonga Valley Water District

EWL: Etiwanda Wastewater Line

FWC: Fontana Water Company

FY: Fiscal Year

GG Fund: Administrative Services Fund

IEUA: Inland Empire Utilities Agency

IEBL: Inland Empire Brine Line

MVWD: Monte Vista Water District

MWD: Metropolitan Water District of Southern California

NC Fund: Non-Reclaimable Wastewater Fund

NRWS: Non-Reclaimable Wastewater System

O&M: Operation and Maintenance

RC Fund: Regional Wastewater Capital Improvement Fund

RO Fund: Regional Wastewater Operations and Maintenance Improvement Fund

RWDS: Recycled Water Distribution System

RW Fund: Groundwater Recharge Fund

TYCIP: Ten Year Capital Improvement Plan

RP: Regional Water Recycling Plant

WC Fund: Recycled Water Fund

WW Fund: Water Administration Fund

SECTION 1: BACKGROUND

Inland Empire Utilities Agency Overview

The Inland Empire Utilities Agency (IEUA) is a regional wastewater treatment agency and wholesale distributor of imported water. IEUA is responsible for serving approximately 935,000 people over 242 square miles in western San Bernardino County. IEUA is focused on providing three key services: (1) treating wastewater, developing recycled water, local water resources, and conservation programs to reduce dependence on imported water supplies and provide local supply resiliency to the region; (2) converting biosolids and waste products into a high-quality compost made from recycled materials; and (3) generating electrical energy from renewable sources.

Formation & Purpose

IEUA was originally formed as the Chino Basin Municipal Water District on June 6, 1950, as a municipal corporation with the mission to supply supplemental imported water purchased from the Metropolitan Water District of Southern California (MWD) to municipalities in the Chino Basin. Since then, IEUA has expanded its mission from a supplemental water supplier to include regional wastewater treatment with both domestic and industrial disposal systems along with energy production facilities. In addition, IEUA has become a major provider of recycled water, a supplier of biosolids/compost materials, and continues its leading role in water quality management and environmental protection in the Inland Empire.

Governance

IEUA is a special district governed by five publicly elected Board of Directors. Each director is assigned to one of the five divisions which generally serve the following regions: Division 1- Upland/Montclair; Division 2- Ontario; Division 3- Chino/Chino Hills; Division 4- Fontana; and Division 5- Rancho Cucamonga. Monthly meetings are also held with the Regional Technical and Policy Committees comprised of representatives from each of IEUA's Regional Sewer Collection Agencies. These Committees discuss and provide recommendations on various technical and policy issues affecting IEUA.

Sewer Collection Agencies

As a regional wastewater treatment agency, IEUA provides sewage utility services to seven Sewer Collection Agencies pursuant to the Ordinance No. 111 - Regional Sewerage Service and Ordinance No. 112 - Recycled Water: the cities of Chino, Chino Hills, Fontana, Montclair, Ontario, and Upland along with Cucamonga Valley Water District. Figure 1 depicts each

Sewer Collection Agency's sphere of influence within IEUA's service area.

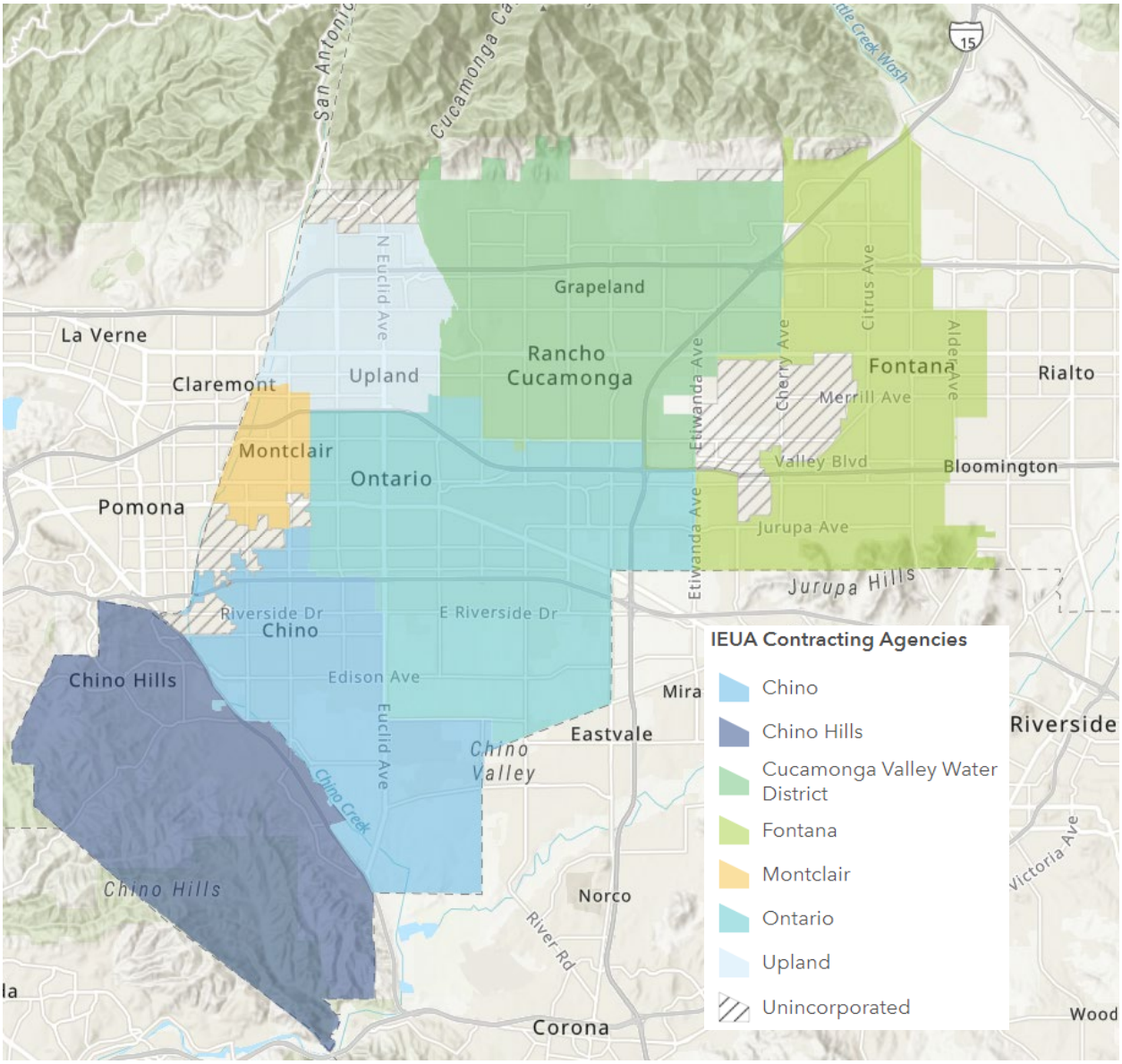


Figure 1 – IEUA Regional Sewer Collection Agencies

IEUA Regional Sewer Collection Agencies

As a member of MWD and the regions wholesale imported water provided, IEUA serves seven retail water agencies: the cities of Chino, Chino Hills, Ontario, Upland, Cucamonga Valley Water District (CVWD) in the City of Rancho Cucamonga, Fontana Water Company (FWC) in the city of Fontana, and the Monte Vista Water District (MVWD). Figure 2 depicts each Sewer Collection Agencies sphere of influence within IEUA's service area.

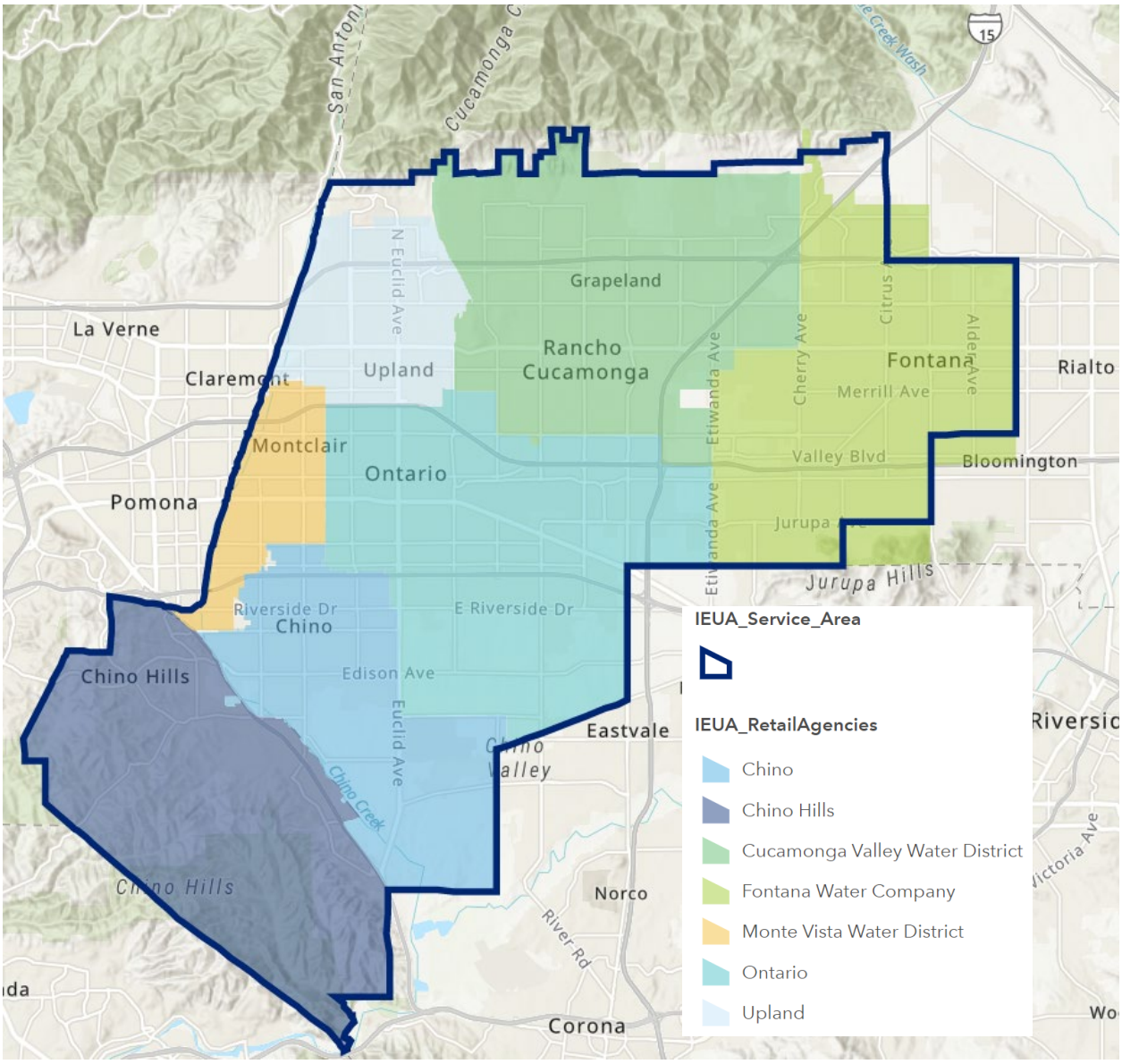


Figure 2 – IEUA Member Agencies

SECTION 2: TEN-YEAR CAPITAL IMPROVEMENT PLAN INTRODUCTION

Ten-Year Capital Improvement Plan Purpose

The Ten-Year Capital Improvement Plan (TYCIP) is a report that outlines IEUA's capital priorities through a list of ongoing and future projects. The TYCIP proposes a schedule for the implementation of projects agency wide based on necessity. In contrast, the Ten-Year Forecast, published by IEUA and attached to this report as Appendix D, solely identifies wastewater capital projects as required in the Ordinance No. 111 - Regional Sewerage Service.

While wastewater capital projects are found on both the Ten-Year Forecast and TYCIP, the TYCIP includes capital projects beyond those required for the wastewater system. The timing of projects on the TYCIP may be further refined through the Capital Budget process, based on the availability of financial resources.

The IEUA Board of Directors adopts and publishes the TYCIP in order to provide transparency into the ongoing and future projects the agency requires over the next ten years. Projects identified in the TYCIP are necessary for IEUA to ensure reliability and safety while meeting all regulatory requirements. Some of the factors that may lead to the need for a capital project include the physical conditions of assets and the forecasted regional projections for water and wastewater needs. This TYCIP identifies capital projects for the Fiscal Year (FY) 2023/2024 through FY 2032/2033 timeframe.

Definition of a Capital Project

The TYCIP is composed of a list of capital projects, which are projects that involve the purchase, improvement, or construction of major fixed assets and equipment, such as the expansion of treatment plants, the construction of pipeline and pump stations, and the replacement of equipment. Capital projects do not include funds spent on standard operation and maintenance (O&M). However, O&M projects are listed as an appendix to this TYCIP, see Appendix C.

SECTION 3: PROGRAM FUNDS

Program Fund Summary

Projects listed on the TYCIP are categorized by fund. Over the next ten years, IEUA is planning approximately $1,386,577,889 in capital improvement projects, of which 38% is expected to be in the Regional Wastewater Capital Improvement fund. Agency-wide, capital project expenses in the first year of the TYCIP are estimated to be approximately $176,570,175. Table 1 below outlines the timing of the projected capital spending by fund.

Table 1: FY 2023/24 TYCIP Total by Fund ($ in millions)				
Fund	**Year One FY 2023/24**	**Year Two FY 2024/25**	**Years 3-10 FY 2024/33**	**Ten Year Total FY 2024-2033**
Administrative Services (GG)	$4.25	$6.41	$34.88	**$45.54**
Non-Reclaimable Wastewater (NC)	$5.15	$16.00	$24.10	**$45.25**
Regional Wastewater Capital Improvement (RC)	$112.39	$130.02	$279.47	**$521.88**
Regional Wastewater Operations & Maintenance (RO)	$33.57	$45.25	$294.80	**$373.62**
Recharge Water (RW)	$2.09	$0.86	$5.55	**$8.50**
Recycled Water (WC)	$15.62	$23.75	$347.92	**$387.29**
Water Resources (WW)	$3.5	$1.00	$0.00	**$4.50**
TOTAL	**$176.57**	**$223.29**	**$986.72**	**$1,386.58**

**Numbers are based on the TYCIP Project List (Appendix A). All values rounded.*

Administrative Services (GG) Fund

The GG Fund serves as IEUA's general fund and capital expenses include agency supplies such as computers, printers, copiers, pooled vehicles, and other purchases. Major projects included in the TYCIP include Enterprise Resource Planning (ERP) Implementation, Wide Area Microwave Radio Updates, IT Infrastructure Assets Replacement, and Central Plant Cooling Tower Replacement. Total spending over the ten-year window is projected to be $45,535,997.

Non-Reclaimable Wastewater (NC) Fund

Projects funded through the NC Fund are associated with IEUA's Non-Reclaimable Wastewater System (NRWS), which is a collections system physically separated from the agency's wastewater sewage system. The NRWS includes pipelines and pump stations that serve to export high-salinity industrial wastewater generated in IEUA's service area for treatment and eventual discharge to the Pacific Ocean. The wastewater discharged to the NRWS is primarily comprised of industrial and groundwater treatment brine. The NRWS is operated by IEUA and is comprised of three independent collections systems, the North non-reclaimable wastewater system, the Etiwanda Wastewater Line (EWL), and the Inland Empire Brine Line (IEBL) also known as the South NRWS. Figure 3 is a map that outlines the

NRWS system.

Capital projects in the NC Fund may include the acquisition, construction, expansion, or replacement of NRWS sewer lines, interceptors, and supporting facilities. Major projects included in the TYCIP include Philadelphia Lift Station Force Main Improvements, NRW Collection System Pipe Rehabilitation and Lining, and Philadelphia Lift Station Pump Upgrades. Total spending over the ten-year window is projected to be $45,250,500.

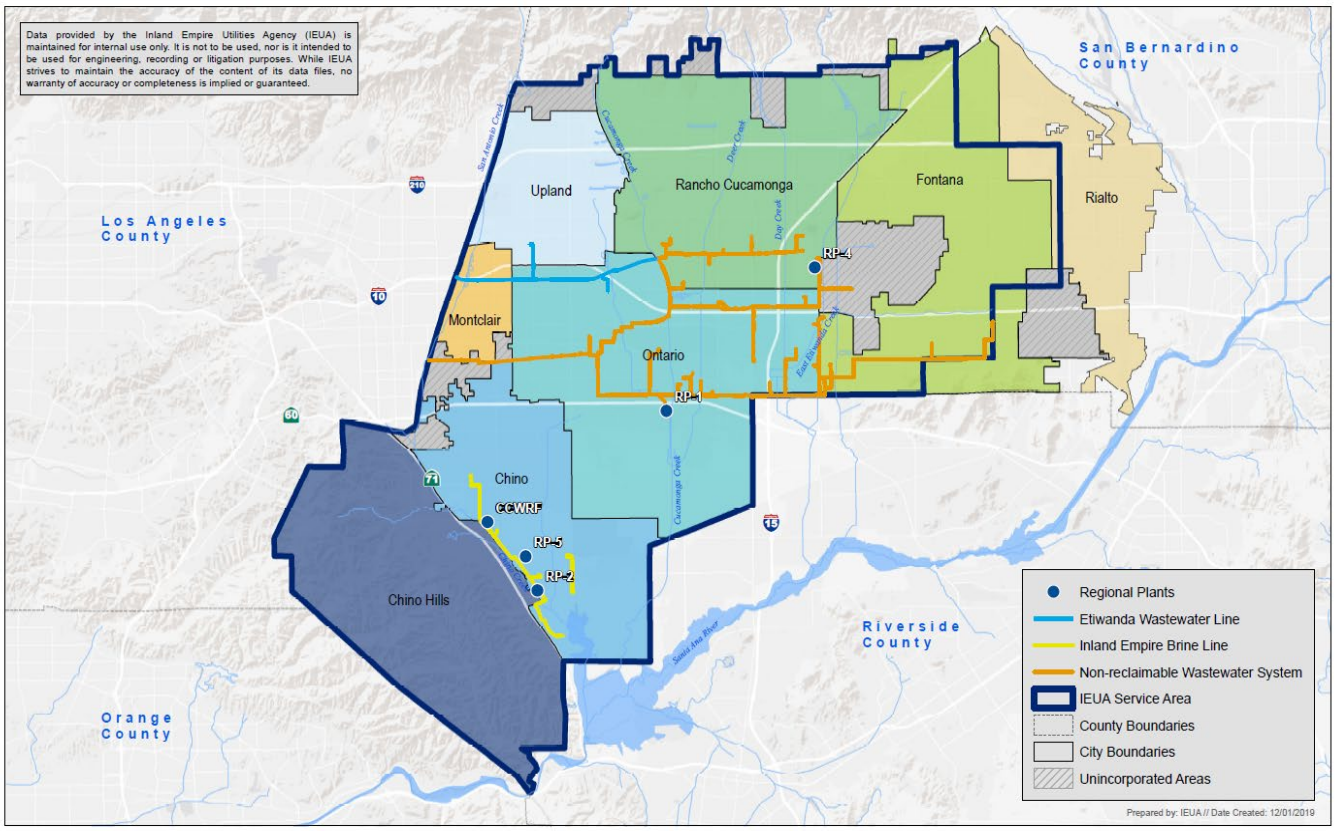


Figure 3 – IEUA Non-Reclaimable Wastewater System

Regional Wastewater Capital Improvement (RC) Fund

In accordance with the Ordinance No. 111 - Regional Sewerage Service, the regional funding for the wastewater system is split into capital improvement and operations and maintenance funds. The RC Fund covers capital project costs associated with IEUA's regional wastewater system. Expenses charged to the RC Fund include capital projects that are required to meet regional growth in the forms of flow, loading, capacity or other factors. Major projects in the RC fund included in the TYCIP include RP-1 Thickening Building & Acid Phase Digester, RP-5 Expansion to 30 mgd, RP-1 Liquid Treatment Capacity Recovery, RP-5 Biosolids Facility, CCWRF Asset Management and Improvements, and RP-1 Solids Treatment Expansion. Total spending over the ten-year window is projected to be $521,878,727 A detailed review of RC

fund projects over the next ten years can be found in IEUA's Ten-Year Forecast (TYF), which is attached to this report as Appendix D. Figure 4 below outlines the regional wastewater system.

Regional Wastewater Operation and Maintenance (RO) Fund

The RO Fund covers the operations and maintenance costs associated with IEUA's regional wastewater system. Operations and maintenance costs can have capital components included in the TYCIP including the cost to rehabilitate fixed assets. Major projects in the RO fund included in the TYCIP include the Advanced Water Purification Facility, RP-5 O&M Building, Supervisory Control and Data Acquisition Enterprise System, RP-1 Operations and Maintenance Building Rehabilitation/Modernization and the RP-1 Secondary System Rehabilitation. Total spending over the ten-year window is projected to be $373,619,259.

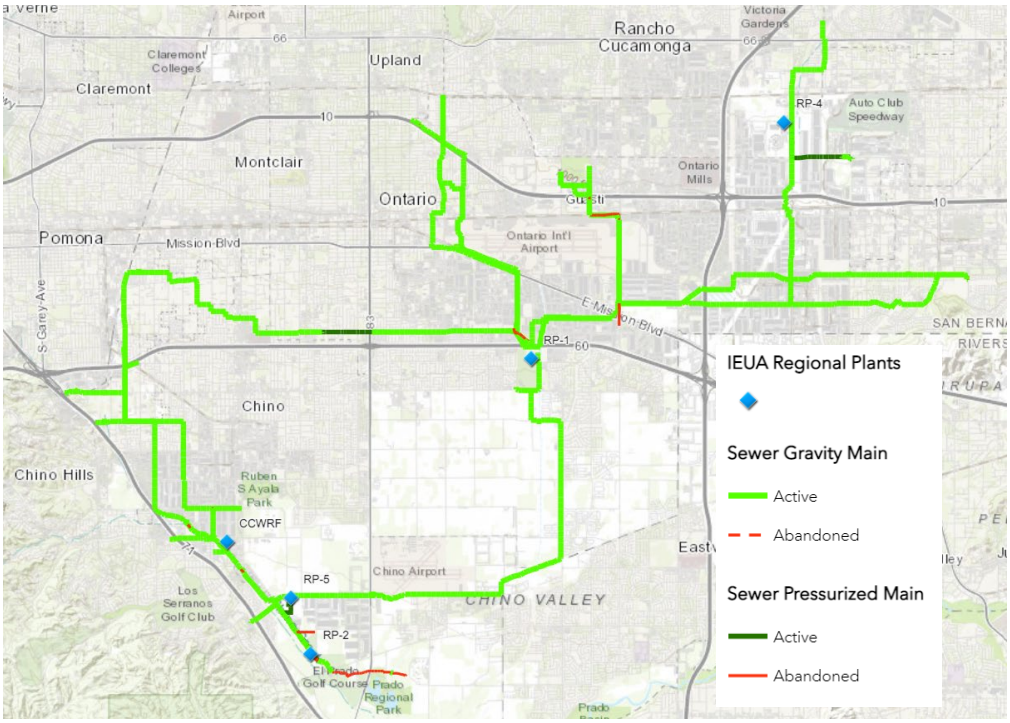


Figure 4 – IEUA Regional Wastewater System

Recharge Water Fund (RW) Fund

In conjunction with Chino Basin Water Master, Chino Basin Water Conservation District, and San Bernardino County Flood Control District, IEUA implements and operates the Recycled Water Groundwater Recharge Program within Chino Basin to replenish and maintain the Chino Groundwater Basin. Infrastructure associated with the RW Fund includes a network of pipelines that directs captured stormwater, recycled water, and imported water to recharge sites. The groundwater recharge projects are a means to diversify the water supply

for the region and maximize the beneficial reuse of recycled water and the yield of the Chino Basin. Recycled water recharge is a key component of the region's water supply portfolio. The more recycled water that is recharged into the Chino Groundwater Basin, the more resilient the region becomes. Figure 5 is a map of the recharge basins used in groundwater recharge.

Major projects in the RW Fund included in the TYCIP include the completion of Recharge Master Plan Update Projects and GWR Basin PLC Upgrades. Total spending over the ten-year window is projected to be $8,501,906.

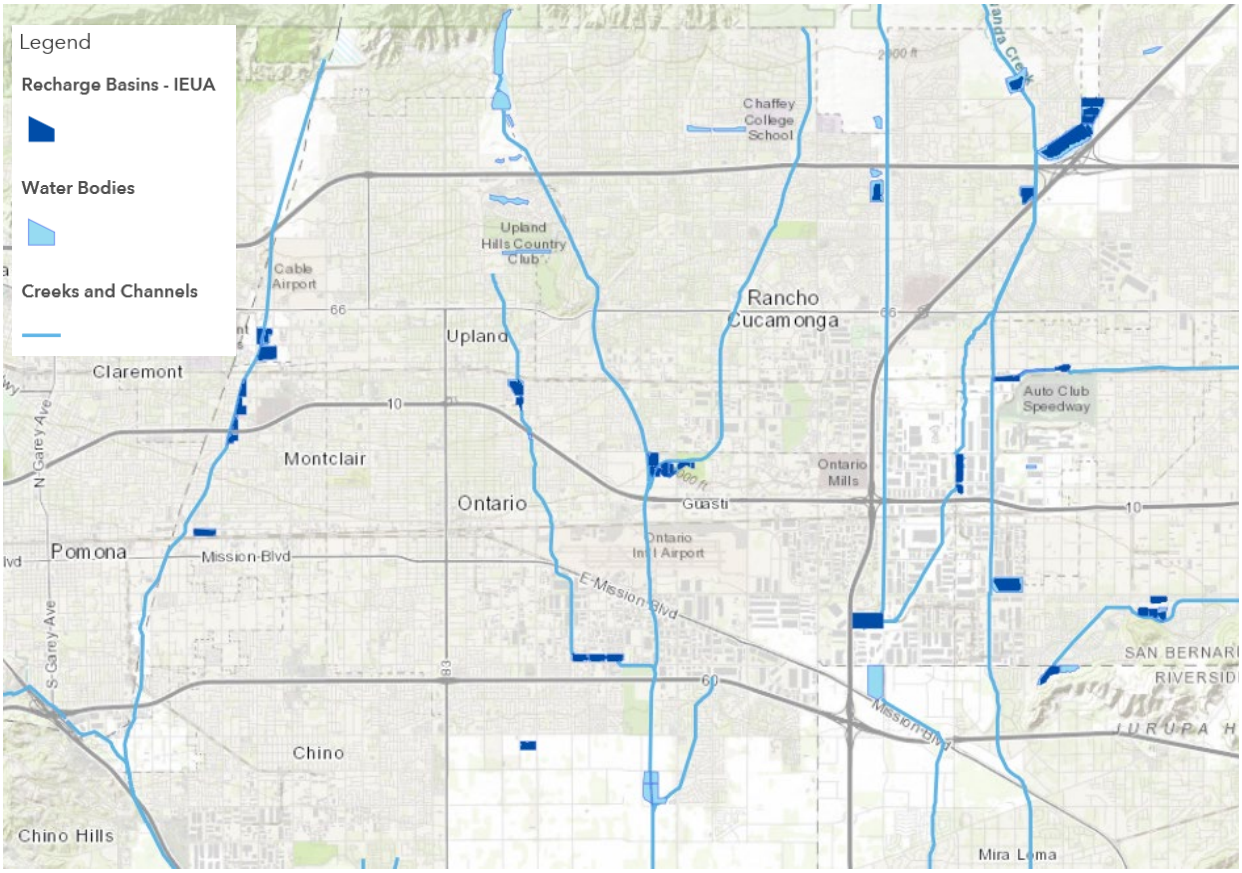


Figure 5 – Chino Basin Groundwater Recharge Locations

Recycled Water (WC) Fund

IEUA invested in the construction of a Recycled Water Distribution System (RWDS). The RWDS consists of a network of pipelines, storage tanks, and pump stations that serve customers with Title 22 treated water from IEUA's water recycling facilities. The use of recycled water provides a high-quality alternative water source for the region that can be used directly by customers or recharged into the groundwater to improve regional resiliency. Figure 6 is a map of the RWDS infrastructure.

Capital projects in the WC fund are associated with the expansion and improvement of the RWDS infrastructure. Major projects included in the TYCIP include 6 thousand AF per year of Advanced Water Treatment Capacity, Injection Facilities, Recycled Water Interconnection to the City of Rialto, and Recycled Water Connections to Jurupa Community Service District. Total spending over the ten-year window is projected to be $387,291,500.

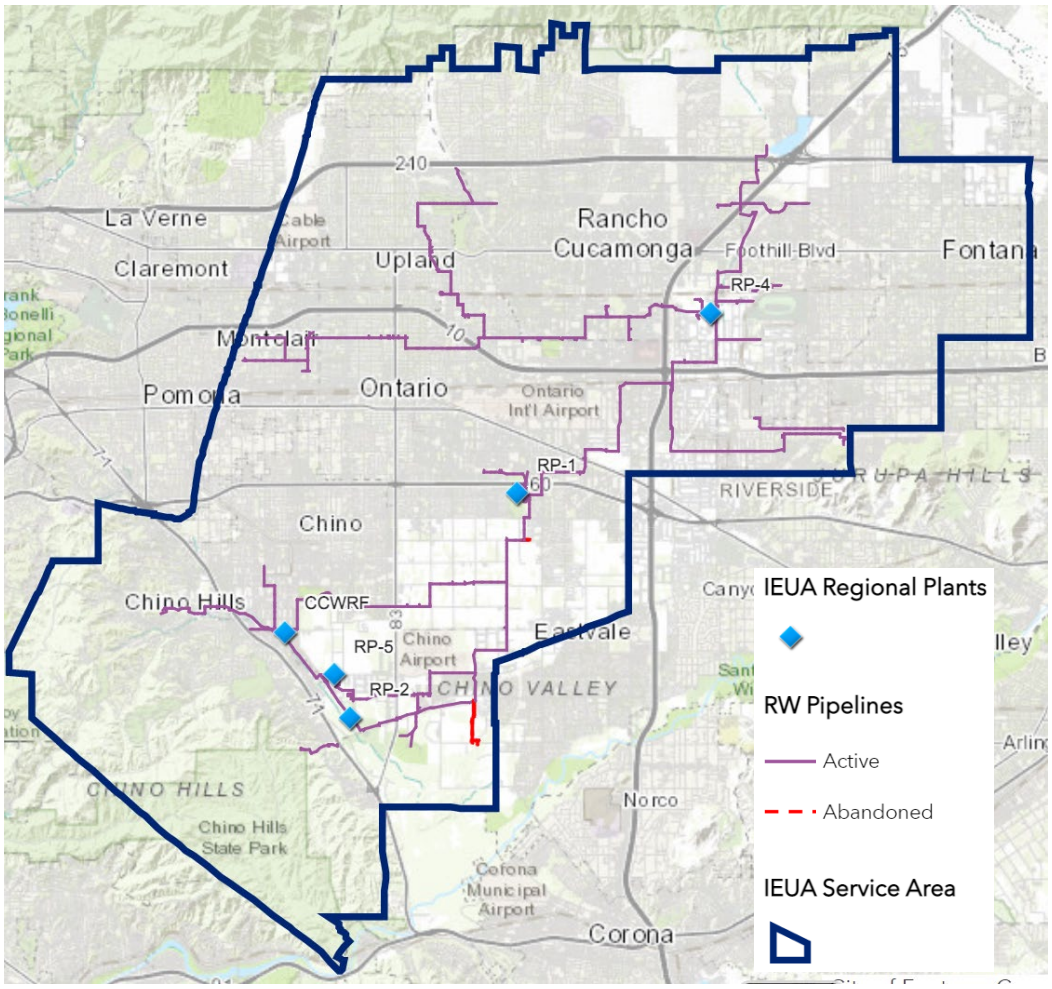


Figure 6 – Regional Recycled Water Distribution System

Water Resources (WW) Fund

Projects in the WW Fund are associated with the management and distribution of imported water supplies, development and implementation of regional water use efficiency initiatives, water resources planning efforts, and support for regional water supply programs including recycled water, groundwater recharge, and stormwater management. The majority of projects in the WW fund are O&M by nature, which can be found listed in Appendix C. The only capital project included in the TYCIP is associated with the Chino Basin Program evaluation. Total spending over the ten-year window is projected to be $4,500,000.

SECTION 4: TEN YEAR CAPITAL IMPROVEMENT PROJECT LIST

Ten Year Capital Improvement Project List Summary

The TYCIP contains capital projects which were identified by IEUA staff and include expansion projects to provide additional treatment capacity to meet future growth. Drivers used to determine the timeframe and necessity of projects include regulatory and permitting requirements, wastewater flow projections, asset age, performance, efficiency, and grant or funding availability. Over the next ten years IEUA is planning $1,386.58 million in capital improvement projects. This is a 16% increase from the FY 2022/23 TYCIP total of $1,190.61 million. The change in spending can be partially attributed towards the inclusion of the construction of an advanced water purification facility and the expansion of the recycled water program via injection wells and new interconnections. Table 2 below provides a comparison between IEUA's FY 2022/23 TYCIP projection and the current FY 2023/24 projection by fund. The list will be updated regularly as facility needs are reprioritized. An estimated ten-year budget for capital project by fund is summarized in Table 2.

Table 2: TYCIP 2022/23 and 2023/24 Comparison*		
Fund	**FY 2022/23 ($ in Millions)**	**FY 2023/24 ($ in Millions)**
Administrative Services Fund (GG)	$29.95	$45.54
Non-Reclaimable Wastewater Fund (NC)	$35.52	$45.25
Regional Capital Improvement Fund (RC)	$544.40	$521.88
Regional Operations and Maintenance (RO)	$207.97	$373.62
Recharge Water Fund (RW)	$18.49	$8.50
Recycled Water Fund (WC)	$349.23	$387.29
Water Resources Fund (WW)	$5.04	$4.50
TOTAL	**$1,190.61**	**$1,386.58**

**FY 2022/23 capital spending is from IEUA's adopted budget. FY 2023/24 capital spending is based on the projected TYCIP Project List (Appendix A). All dollars have been rounded.*

APPENDIX A: Ten-Year Capital Improvement Project List

Appendix A: Ten Year Capital Improvement Project List

Fund Description	Project Number	Project Name	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	Total TYCIP FY 2024-2033
GG - Admin Services	EA24001	External Affair New Education Facility for the Chino Creek Wetlands	$ 300,000										$ 300,000
GG - Admin Services	EN21020	Oracle P6 Migration and Web Hosting Serv	$ 206,000	$ 50,000									$ 256,000
GG - Admin Services	EN22010	GG Asset Managment Project	$ 50,000	$ 50,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 8,100,000
GG - Admin Services	EN23003	Central Plant Cooling Tower Replacement	$ 420,000	$ 1,700,000	$ 800,000								$ 2,920,000
GG - Admin Services	EN23034	Agencywide EV Charging Stations	$ 600,000										$ 600,000
GG - Admin Services	EN23102	RP-1 New Parking Lot	$ 100,000		$ 500,000	$ 600,000							$ 1,200,000
GG - Admin Services	EN24034	Agency Wide Roofing Phase IV at CCWRF	$ 200,000	$ 1,100,000									$ 1,300,000
GG - Admin Services	EN24035	CIPO Enhancements FY 23/24	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 75,000	$ 750,000
GG - Admin Services	EN26032	HQ Electric Cart Canopy Project			$ 100,000	$ 150,000							$ 250,000
GG - Admin Services	EP21004	Agency Wide Vehicle Replacement	$ 60,000	$ 60,000	$ 160,000	$ 179,108	$ 184,481	$ 190,015	$ 195,715	$ 201,587	$ 207,634		$ 1,438,540
GG - Admin Services	FM20005	Agency Wide HVAC Replacements	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,500,000
GG - Admin Services	FM21005	Structural Agency Wide Roofing Phase II	$ 250,000	$ 1,050,000	$ 250,000	$ 1,050,000							$ 2,600,000
GG - Admin Services	FM22005	Agency Wide HVAC Replacements	$ 114,000										$ 114,000
GG - Admin Services	FM24001	Headquarters Server Rooms HVAC System Upgrade	$ 310,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 310,000
GG - Admin Services	FM24007	RP-1 Forklift for Warehouse	$ 90,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 90,000
GG - Admin Services	FM24008	FM HVAC Upgrades at Headquarters for Indoor Air Quality Improvements	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,000
GG - Admin Services	IS22002	Wide Area Microwave Radio Updates	$ 550,000	$ 550,000	$ 594,000	$ 641,520	$ 692,842	$ 748,269	$ 808,130	$ 872,781	$ 942,603	$ 1,018,012	$ 7,418,157
GG - Admin Services	IS22003	IT Infrastructure Assets New	$ 100,000	$ 100,000	$ 108,000	$ 116,640	$ 125,971	$ 136,049	$ 146,933	$ 158,687	$ 171,382	$ 185,093	$ 1,348,755
GG - Admin Services	IS22004	IT Infrastructure Assets Replacement	$ 250,000	$ 250,000	$ 270,000	$ 291,600	$ 314,928	$ 340,122	$ 367,332	$ 396,719	$ 428,456	$ 462,733	$ 3,371,890
GG - Admin Services	IS25004	ERP Implementation		$ 1,000,000	$ 5,000,000	$ 4,000,000							$ 10,000,000
GG - Admin Services	LB21001	LCMSMS for PFAS and CEC Testing	$ 72,885	$ 72,885	$ 72,885								$ 218,655
GG - Admin Services	LB23001	Oil and Grease Extractor 2	$ 100,000	$ 100,000	$ 100,000								$ 300,000
		GG - Admin Services Total	***$ 4,247,885***	***$ 6,407,885***	***$ 9,279,885***	***$ 8,353,868***	***$ 2,643,222***	***$ 2,739,455***	***$ 2,843,110***	***$ 2,954,774***	***$ 3,075,075***	***$ 2,990,838***	***$ 45,535,997***
NC - Non-Reclaimable Water	EN20064	NSNT Sewer Siphon Replacement	$ 2,385,000	$ 276,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,661,000
NC - Non-Reclaimable Water	EN22007	NRW Asset Managment Projects	$ 200,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 4,700,000
NC - Non-Reclaimable Water	EN22020	Philadelphia Lift Station Pump Upgrades	$ 335,000	$ 4,000,000	$ 2,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,335,000
NC - Non-Reclaimable Water	EN23002	Philadelphia Lift Station Force Main Imp	$ 1,500,000	$ 10,000,000	$ 8,000,000	$ 1,000,000	$ 1,000,000	$ -	$ -	$ -	$ -	$ -	$ 21,500,000
NC - Non-Reclaimable Water	EN23014	NRWS Manhole Upgrades - 22/23	$ 4,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,500
NC - Non-Reclaimable Water	EN24009	NRW Collection System Pipe Rehabilitation and Lining	$ 500,000	$ 1,000,000	$ 1,000,000	$ -	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 7,500,000
NC - Non-Reclaimable Water	EN24036	NRW Manhole FY2 23/24	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 1,800,000
NC - Non-Reclaimable Water	EN24037	New NRW Project PDR's FY 23/24	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 750,000
		NC - Non-Reclaimable Water Total	***$ 5,154,500***	***$ 16,006,000***	***$ 11,730,000***	***$ 1,730,000***	***$ 1,730,000***	***$ 1,780,000***	***$ 1,780,000***	***$ 1,780,000***	***$ 1,780,000***	***$ 1,780,000***	***$ 45,250,500***
RC - Regional Wastewater Capital	EN11039	RP-1 Disinfection Pump Improvements	$ 4,119,750	$ 457,750									$ 4,577,500
RC - Regional Wastewater Capital	EN17006	CCWRF Asset Management and Improvements	$ 8,775,000	$ 12,975,000	$ 3,000,000								$ 24,750,000
RC - Regional Wastewater Capital	EN18006	RP-1 Flare Improvements	$ 116,000										$ 116,000
RC - Regional Wastewater Capital	EN19001	RP-5 Expansion to 30 mgd	$ 46,572,930	$ 33,135,970	$ 7,000,000								$ 86,708,900
RC - Regional Wastewater Capital	EN19006	RP-5 Biosolids Facility	$ 29,027,070	$ 18,842,230	$ 2,000,000								$ 49,869,300
RC - Regional Wastewater Capital	EN19025	Regional Force Main Improvements	$ 685,000	$ 15,000									$ 700,000
RC - Regional Wastewater Capital	EN21045	Montclair Force Main Improvements	$ 1,800,000	$ 3,800,000	$ 2,000,000								$ 7,600,000
RC - Regional Wastewater Capital	EN22006	RC Asset Managment	$ 250,000	$ 2,400,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 66,650,000
RC - Regional Wastewater Capital	EN22022	RP-1 Air Compressor Upgrades	$ 1,440,000	$ 2,860,000	$ 650,000								$ 4,950,000
RC - Regional Wastewater Capital	EN22039	RP-4 SCADA Performance Improvement	$ 250,000	$ 750,000									$ 1,000,000
RC - Regional Wastewater Capital	EN22041	RP-1 Aeration Basins Utility Water Syste	$ 500,000										$ 500,000
RC - Regional Wastewater Capital	EN22044	RP-1 Thickening Building & Acid Phase Di	$ 15,000,000	$ 45,000,000	$ 65,000,000	$ 26,500,000	$ 500,000						$ 152,000,000
RC - Regional Wastewater Capital	EN23005	CCWRF Filter Effluent Sodium Hypochlorit	$ 55,000										$ 55,000
RC - Regional Wastewater Capital	EN23015	Collection System Upgrades 22/23	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
RC - Regional Wastewater Capital	EN23025	Agency Power Monitoring	$ 30,000	$ 500,000									$ 530,000
RC - Regional Wastewater Capital	EN24001	RP-1 Liquid Treatment Capacity Recovery						$ 2,000,000	$ 13,000,000	$ 13,000,000	$ 13,000,000	$ 13,000,000	$ 54,000,000
RC - Regional Wastewater Capital	EN24002	RP-1 Solids Treatment Expansion	$ 900,000	$ 4,100,000	$ 4,000,000	$ 4,000,000	$ 4,000,000	$ 4,000,000					$ 21,000,000
RC - Regional Wastewater Capital	EN24022	IEUA SCADA Master Plan		$ 750,000									$ 750,000
RC - Regional Wastewater Capital	EN24027	Fall Protection and Prevention Solutions at specified wastewater locations	$ 300,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,300,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 9,600,000
RC - Regional Wastewater Capital	EN24028	RP-1 Utility Water Piping Asset Management Phase I	$ 213,397	$ 335,338	$ 983,512	$ 983,512	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,515,759
RC - Regional Wastewater Capital	EN24030	Headquarter B additional Office Space	$ 260,000		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 260,000
RC - Regional Wastewater Capital	EN24031	RP-4 Manhole Surcharge Remediation	$ 200,000	$ 600,000									$ 800,000
RC - Regional Wastewater Capital	EN24045	Collection System Upgrades FY 23/24	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
RC - Regional Wastewater Capital	EN24046	New Regional Project PDR's FY23/24	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
RC - Regional Wastewater Capital	EN25010	RP-1 Plant Air Expansion Tank Replacement	$ -	$ 100,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100,000
RC - Regional Wastewater Capital	EN28002	RP-1 Centrate Treatment	$ -	$ -	$ -	$ -	$ 1,600,000	$ 3,300,000	$ 3,300,001	$ -	$ -	$ -	$ 8,200,001
RC - Regional Wastewater Capital	IS22006	SCADA Network Infrastructure Replacement	$ 300,000	$ 300,000	$ 324,000	$ 349,920	$ 377,914	$ 408,147	$ 440,798	$ 476,062	$ 514,147	$ 555,279	$ 4,046,267
RC - Regional Wastewater Capital	IS24001	OT Infrastructure Asset New	$ 100,000	$ 600,000									$ 700,000
RC - Regional Wastewater Capital	PL17002	HQ Solar Photovoltaic Power Plants Ph. 2				$ 300,000	$ 1,100,000						$ 1,400,000
RC - Regional Wastewater Capital	PL19001	Purchase Existing Solar Installation				$ 3,500,000							$ 3,500,000
		RC - Regional Wastewater Capital Total	***$ 112,394,147***	***$ 130,021,288***	***$ 95,457,512***	***$ 46,133,432***	***$ 18,077,914***	***$ 20,508,147***	***$ 27,240,799***	***$ 23,976,062***	***$ 24,014,147***	***$ 24,055,279***	***$ 521,878,727***
RO - Regional Wastewater O&M	AM23001	Old VFD Replacement (Wastewater)	$ 340,000	$ 400,000	$ 600,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 4,840,000
RO - Regional Wastewater O&M	EN13016	SCADA Enterprise System	$ 6,800,000	$ 7,400,000	$ 4,500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,700,000
RO - Regional Wastewater O&M	EN17042	Digester 6 and 7 Roof Repairs	$ 2,800,000	$ 2,200,000									$ 5,000,000
RO - Regional Wastewater O&M	EN18025	RP-1 Secondary System Rehabilitation	$ -	$ 500,000	$ 2,000,000	$ 7,000,000	$ 2,000,000	$ -	$ -	$ -	$ -	$ -	$ 11,500,000
RO - Regional Wastewater O&M	EN19009	RP-1 Energy Recovery	$ 1,500,000	$ 1,500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,000,000
RO - Regional Wastewater O&M	EN20044	RP-1 Plant 3 Primary Cover Replacement	$ -	$ 200,000	$ 400,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,000
RO - Regional Wastewater O&M	EN20045	RP-1 TP-1 Level Sensor Replacement	$ -	$ -	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	EN20051	RP-1 MCB and Old Lab Building Rehab	$ 972,900	$ 978,100	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,951,000
RO - Regional Wastewater O&M	EN20057	RP-4 Process Improvements Phase II	$ 1,125,000	$ 6,325,000	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,950,000
RO - Regional Wastewater O&M	EN21042	RP-1 East Influent Gate Replacement	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,000

RO - Regional Wastewater O&M	EN21053	RP-1 Old Effluent Structure Rehabilitati	$ 1,350,000	$ 750,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,100,000
RO - Regional Wastewater O&M	EN21056	RP-1 Evaporative Cooling for Aeration Bl	$ 760,000	$ 400,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,160,000
RO - Regional Wastewater O&M	EN22005	RO Asset Managment	$ 250,000	$ 30,000	$ -	$ -	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 5,280,000
RO - Regional Wastewater O&M	EN22025	RP-1 Dump Station	$ -	$ -	$ -	$ -	$ -	$ 250,000	$ 750,000	$ 1,100,000	$ -	$ -	$ -	$ -	$ 2,100,000
RO - Regional Wastewater O&M	EN22027	RP-1 Repurpose Lab	$ 1,236,600	$ 1,137,400	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,374,000
RO - Regional Wastewater O&M	EN22031	RP-1 Intermediate Pump Station Electrica	$ 900,000	$ 6,300,000	$ 900,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,100,000
RO - Regional Wastewater O&M	EN23000	RP1 Device Net Replacement	$ 1,200,000	$ 2,000,000	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,700,000
RO - Regional Wastewater O&M	EN23004	CCWRF Aeration Basins 1-6 Drain Valves	$ 320,000	$ -	$ -	$ -	$ -	$ 250,000	$ 600,000	$ 185,000	$ -	$ -	$ -	$ -	$ 1,355,000
RO - Regional Wastewater O&M	EN23024	RP-1 TP-1 Stormwater Drainage Upgrades	$ 150,000	$ -	$ -	$ -	$ -	$ 800,000	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ 1,150,000
RO - Regional Wastewater O&M	EN23035	CCWRF RAS Header Replacement	$ 180,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 180,000
RO - Regional Wastewater O&M	EN23036	San Bernardino Ave LS Reliability Improv	$ 320,000	$ 1,900,000	$ 900,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,120,000
RO - Regional Wastewater O&M	EN23038	CWRF HVAC System Ugrade	$ 199,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 199,000
RO - Regional Wastewater O&M	EN23074	CCWRF Influent Box Rehab at the Primary	$ 324,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 324,000
RO - Regional Wastewater O&M	EN23111	RP1 Headworks Bar Screen System Improvem	$ 2,790,000	$ 310,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,100,000
RO - Regional Wastewater O&M	EN24010	RSS - Collection System Pipe Rehabilitation and Lining	$ 500,000	$ 1,000,000	$ 1,000,000	$ -	$ -	$ 200,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 6,700,000
RO - Regional Wastewater O&M	EN24020	RP-1 Dewatering Centrate Pumps	$ 500,000	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 750,000
RO - Regional Wastewater O&M	EN24023	RP3 Regional Sewer Diversion Structure Rehab	$ 200,000	$ 635,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 835,000
RO - Regional Wastewater O&M	EN24025	REEP Return to Service Capital	$ 4,000,000	$ 1,800,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,800,000
RO - Regional Wastewater O&M	EN24026	RP-2 UW Valve Installation	$ 58,745	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 58,745
RO - Regional Wastewater O&M	EN24029	RP-1 Tertiary Asset Manager Phase I	$ 400,000	$ 2,000,000	$ 1,600,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,000,000
RO - Regional Wastewater O&M	EN24032	RP-1 Primary Clarifier #1 and #10 Rehabilitation	$ 500,000	$ 2,241,014	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,741,014
RO - Regional Wastewater O&M	EN24033	Annular Seals	$ 380,000	$ -	$ -	$ -	$ -	$ 1,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,380,000
RO - Regional Wastewater O&M	EN24044	RO Project PDR's FY 23/24	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 3,750,000
RO - Regional Wastewater O&M	EN25002	SSI Aeration Disk Replacement	$ -	$ 100,000	$ -	$ 550,000	$ 200,000	$ 1,200,000	$ -	$ 250,000	$ 1,250,000	$ -	$ -	$ -	$ 3,550,000
RO - Regional Wastewater O&M	EN25006	CCWRF Primary Clarifier Coating	$ -	$ 140,000	$ 1,260,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,400,000
RO - Regional Wastewater O&M	EN25020	RP-1 Digester Cleaning Lagoon (DCL) Lini	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100,000	$ 600,000	$ -	$ -	$ 700,000
RO - Regional Wastewater O&M	EN27001	RP-1 Equilization Basin #1 Access Ramp	$ -	$ -	$ -	$ -	$ -	$ 35,000	$ 106,500	$ 300,000	$ -	$ -	$ -	$ -	$ 441,500
RO - Regional Wastewater O&M	EN29003	Replace Aeration Basin Influent / RAS, Step feed Gates	$ -	$ -	$ -	$ -	$ -	$ 100,000	$ 200,000	$ 3,800,000	$ -	$ -	$ -	$ -	$ 4,100,000
RO - Regional Wastewater O&M	EN29004	CCWRF Secondary Clarifier Weir Covers	$ -	$ -	$ -	$ -	$ -	$ 100,000	$ 300,000	$ 1,050,000	$ -	$ -	$ -	$ -	$ 1,450,000
RO - Regional Wastewater O&M	EN29005	RP5 O&M Building	$ -	$ -	$ -	$ -	$ -	$ 3,000,000	$ 20,000,000	$ 15,000,000	$ 10,000,000	$ -	$ -	$ -	$ 48,000,000
RO - Regional Wastewater O&M	EN29006	RP-1 Dewatering Silos Levelers Relocation	$ -	$ -	$ -	$ -	$ -	$ 500,000	$ 1,400,000	$ -	$ -	$ -	$ -	$ -	$ 1,900,000
RO - Regional Wastewater O&M	EN29007	RP-1 Operations and Maintenance Building Rehabilitation/Modernization	$ -	$ -	$ -	$ -	$ -	$ 60,000	$ 100,000	$ 1,009,852	$ 8,261,185	$ 7,068,963	$ -	$ -	$ 16,500,000
RO - Regional Wastewater O&M	EN30002	CCWRF Outfall Discharge Structure and Culvert Rehab	$ -	$ -	$ -	$ -	$ -	$ -	$ 200,000	$ 520,000	$ -	$ -	$ -	$ -	$ 720,000
RO - Regional Wastewater O&M	EP24001	Agency Wide Major Facilities O&M Repair/Replacement	$ 1,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,000,000
RO - Regional Wastewater O&M	EP25001	Agency Wide Major Facilities O&M Repair/Replacement	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 9,000,000
RO - Regional Wastewater O&M	FM23001	Heavy Equipment Replacement	$ 670,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 670,000
RO - Regional Wastewater O&M	FM24002	RP-1 Operations Bldg HVAC System Upgrades	$ 210,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 210,000
RO - Regional Wastewater O&M	FM24003	RP4 HVAC System Upgrades (various locations)	$ 310,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 310,000
RO - Regional Wastewater O&M	FM24004	RP5 Central Plant HVAC System Upgrade	$ 170,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 170,000
RO - Regional Wastewater O&M	FM25001	Agency Wide Electric Fleet	$ -	$ 150,000	$ 150,000	$ 200,000	$ 200,000	$ 200,000	$ 250,000	$ 250,000	$ 250,000	$ 300,000	$ -	$ -	$ 1,950,000
RO - Regional Wastewater O&M	IS20007	Control System Ent Historian Enhancement	$ 150,000	$ 850,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,000,000
RO - Regional Wastewater O&M	IS28001	Operational AI and Machine Learning	$ -	$ -	$ -	$ -	$ -	$ 300,000	$ 300,000	$ -	$ -	$ -	$ -	$ -	$ 600,000
RO - Regional Wastewater O&M	PL26001	Advanced Water Purification Facility	$ 600,000	$ 2,500,000	$ 12,450,000	$ 22,700,000	$ 19,500,000	$ 46,500,000	$ 35,750,000	$ 18,250,000	$ 7,250,000				$ 165,500,000
		RO - Regional Wastewater O&M Total	***$ 33,566,245***	***$ 45,246,514***	***$ 28,510,000***	***$ 32,200,000***	***$ 23,650,000***	***$ 57,495,000***	***$ 64,156,500***	***$ 45,714,852***	***$ 31,111,185***	***$ 11,968,963***	***$ 373,619,259***		
RW - Groundwater Recharge	EN21057	Recharge Basin Clean-up of Illegally Dum	$ 145,898												$ 145,898
RW - Groundwater Recharge	EN22008	GWR Asset Managment Project	$ 100,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 4,600,000
RW - Groundwater Recharge	EN22049	GWR-RW OIT Upgrades		$ 50,000	$ 50,000	$ 50,000									$ 150,000
RW - Groundwater Recharge	EN22050	GWR Basin PLC Upgrades			$ 500,000	$ 500,000									$ 1,000,000
RW - Groundwater Recharge	IS22005	RW / GWR SCADA Infrastructure Replacemen	$ 40,000	$ 40,000	$ 43,200	$ 46,656	$ 50,388	$ 54,420	$ 58,773	$ 63,475	$ 68,553	$ 74,037	$ 539,502		
RW - Groundwater Recharge	RW15003	Recharge Master Plan Update	$ 1,800,000	$ 266,506											$ 2,066,506
		RW - Groundwater Recharge Total	***$ 2,085,898***	***$ 856,506***	***$ 1,093,200***	***$ 1,096,656***	***$ 550,388***	***$ 554,420***	***$ 558,773***	***$ 563,475***	***$ 568,553***	***$ 574,037***	***$ 8,501,906***		
WC - Recycled Water	AM23002	Old VFD Replacement (Recycled Water)	$ 340,000	$ 400,000	$ 600,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 4,840,000		
WC - Recycled Water	EN15002	1158 Reservoir Site Cleanup	$ 200,000	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 700,000		
WC - Recycled Water	EN16065	RW Connections to JCSD	$ 500,000	$ 1,500,000	$ 1,000,000	$ 9,250,000	$ 16,000,000	$ 11,750,000	$ 1,750,000	$ 700,000	$ 500,000	$ -	$ 42,950,000		
WC - Recycled Water	EN21041	RP-4 Chlorine Contact Basin Cover Repair	$ 2,250,000	$ 2,750,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,000,000		
WC - Recycled Water	EN22009	WC Asset Managment Project	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 8,900,000	$ 8,900,000	$ 8,900,000	$ 8,900,000	$ 8,900,000	$ 44,750,000		
WC - Recycled Water	EN23037	Etiwanda Interceptor Grade Break RW Rel	$ 2,835,000	$ 1,315,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,150,000		
WC - Recycled Water	EN23041	Ely Monitoring Well Capital Project	$ 71,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 71,000		
WC - Recycled Water	EN23067	Hickory Basin Replacement Monitoring Wel	$ 525,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 525,000		
WC - Recycled Water	EN23119	RW SCADA Migration	$ 600,000	$ 2,000,000	$ 1,800,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,400,000		
WC - Recycled Water	EN23121	1299 Reservoir Paint/Coating Repairs and	$ 1,700,500	$ 190,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,890,500		
WC - Recycled Water	EN23123	RP-4 Outfall Valve Replacement and Blow	$ 1,450,000	$ 800,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,250,000		
WC - Recycled Water	EN23124	1630 East Pump Station VFD Installation	$ 400,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 400,000		
WC - Recycled Water	EN24005	1630 West Reservoir Paint/Coating Repair	$ -	$ -	$ -	$ -	$ 50,000	$ 1,500,000	$ -	$ -	$ -	$ -	$ 1,550,000		
WC - Recycled Water	EN24006	930 Reservoir Paint/Coating Repairs and	$ -	$ -	$ -	$ -	$ 50,000	$ -	$ -	$ -	$ 2,000,000	$ -	$ 2,050,000		
WC - Recycled Water	EN24007	1299 RW PS Rehab	$ 700,000	$ 1,000,000	$ 4,750,000	$ 2,400,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,850,000		
WC - Recycled Water	EN24008	930 RW Pipeline Blow Off Upgrade	$ 200,000	$ 1,000,000	$ 100,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,300,000		
WC - Recycled Water	EN24039	New Recycled Water Project PDR's FY 23/24	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,000,000		
WC - Recycled Water	EN25003	Install 2 RW Isolation Valves at Edison Avenue Pipeline	$ -	$ 50,000	$ 365,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 415,000		
WC - Recycled Water	WR23001	Injection Facilities	$ 2,500,000	$ 3,500,000	$ 6,750,000	$ 10,500,000	$ 12,500,000	$ 16,500,000	$ 17,000,000	$ 16,500,000	$ 5,250,000	$ -	$ 91,000,000		
WC - Recycled Water	WR23002	RW Interconnection to the City of Rialto	$ 700,000	$ 7,000,000	$ 7,000,000	$ 11,500,000	$ 11,500,000	$ 14,500,000	$ 5,500,000	$ 1,000,000	$ 500,000	$ -	$ 59,200,000		
WC - Recycled Water	WR24002	6 TAFY AWPF	$ 500,000	$ 1,600,000	$ 7,950,000	$ 14,950,000	$ 13,000,000	$ 31,000,000	$ 24,000,000	$ 12,000,000	$ 5,000,000	$ -	$ 110,000,000		
		WC - Recycled Water Total	***$ 15,621,500***	***$ 23,755,000***	***$ 30,465,000***	***$ 49,250,000***	***$ 53,750,000***	***$ 84,750,000***	***$ 57,750,000***	***$ 39,700,000***	***$ 22,750,000***	***$ 9,500,000***	***$ 387,291,500***		
WW - Water Resources	PL19005	Chino Basin Program	$ 3,500,000	$ 1,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,500,000		
		WW - Water Resources Total	***$ 3,500,000***	***$ 1,000,000***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ -***	***$ 4,500,000***		
		Grand Total	***$ 176,570,175***	***$ 223,293,193***	***$ 176,535,597***	***$ 138,763,956***	***$ 100,401,524***	***$ 167,827,022***	***$ 154,329,182***	***$ 114,689,163***	***$ 83,298,960***	***$ 50,869,117***	***$ 1,386,577,889***		

APPENDIX B: Grant Dependent Capital Projects

Appendix B: Grant Dependent Capital Projects

Fund Description	Project Number	Project Description	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total TYCIP
WW - Water Resources	WR24001	CBP - Extraction Facilities	$ 10,000,000	$ 10,000,000	$ 72,000,000	$ 84,000,000	$ 72,000,000	$ 12,000,000	$ -	$ -	$ -	$ -	$ 260,000,000
WW - Water Resources	WR26001	CBP - RW Interconnection to the MWD-Rialto Pipeline	$ -	$ -	$ -	$ 564,599	$ 1,176,620	$ 8,258,781	$ -	$ -	$ -	$ -	$ 10,000,000
		WW - Water Resources Total	***$ 10,000,000***	***$ 10,000,000***	***$ 72,000,000***	***$ 84,564,599***	***$ 73,176,620***	***$ 20,258,781***	***$ -***	***$ -***	***$ -***	***$ -***	***$ 270,000,000***

APPENDIX C: Ten-Year Operations & Maintenance Project List

Appendix C: Ten Year Operations & Mantenance Project List

Fund Description	Project Number	Project Name	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/32	FY 32/33	Total TYCIP FY 2024-2033
GG - Admin Services	AM24001	IEUA Asset Management Plan - Provide Consulting	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ 1,000,000
GG - Admin Services	AM24005	GG Asset Management TS Projects	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 63,000	$ 630,000
GG - Admin Services	EN23079	GG Assessment Projects	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
GG - Admin Services	FM20001	HQ Interior Replacements	$ 204,000				$ 1,782,000						$ 1,986,000
GG - Admin Services	FM24005	RP-1 Utility Carts	$ 80,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 80,000
GG - Admin Services	FM24009	Agency Wide Office Furniture & Appliance Replacements	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 1,200,000
		GG - Admin Services Total	***$ 717,000***	***$ 433,000***	***$ 433,000***	***$ 433,000***	***$ 2,215,000***	***$ 233,000***	***$ 233,000***	***$ 233,000***	***$ 233,000***	***$ 233,000***	***$ 5,396,000***
RW - Groundwater Recharge	AM24006	GWR Asset Management TS Projects	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 320,000
RW - Groundwater Recharge	EN23078	GWR Assessment Projects	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
RW - Groundwater Recharge	EN23113	RW/GWR Safety Work Improvements For Basi	$ 820,000										$ 820,000
		RW - Groundwater Recharge Total	***$ 902,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 82,000***	***$ 1,640,000***
NC - Non-Reclaimable Water	AM24007	NRW Asset Management TS Projects	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 320,000
NC - Non-Reclaimable Water	EN23077	NRW Assessment Projects	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
NC - Non-Reclaimable Water	EN24016	NRWS Emergency O&M Projects FY 23/24	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,000
NC - Non-Reclaimable Water	EN24038	NRWS On Call Small Projects FY 23/24	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 1,000,000
NC - Non-Reclaimable Water	EN25016	NRWS Emergency O&M Projects FY 24/25	$ -	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,000
NC - Non-Reclaimable Water	EN26016	NRWS Emergency O&M Projects FY 25/26	$ -	$ -	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,000
NC - Non-Reclaimable Water	EN27002	NRWS Emergency O&M Projects FY 23/24	$ -	$ -	$ -	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,400,000
NC - Non-Reclaimable Water	PL21002	NRWS Rate Study	$ 288,107	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 288,107
		NC - Non-Reclaimable Water Total	***$ 620,107***	***$ 332,000***	***$ 332,000***	***$ 382,000***	***$ 382,000***	***$ 382,000***	***$ 382,000***	***$ 382,000***	***$ 382,000***	***$ 382,000***	***$ 3,958,107***
WC - Recycled Water	AM24008	WC (RW) Asset Management TS Projects	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 32,000	$ 320,000
WC - Recycled Water	EN18021	Prado Basin AMP Annual Monitoring	$ 105,000	$ 115,000	$ 117,500	$ 120,000	$ 122,500	$ 125,000	$ 127,500	$ 13,857	$ -	$ -	$ 846,357
WC - Recycled Water	EN19030	WC Asset Management	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 10,000	$ 100,000	$ 100,000	$ 910,000
WC - Recycled Water	EN20031	Recycled Water Program Strategy 2020	$ 200,000	$ 50,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN21051	Ely Monitoring Well	$ 10,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,000
WC - Recycled Water	EN22028	Philly RW Gravity Line Abandonment	$ -	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN22055	WC On-Call/Small Projects FY 21/22	$ 5,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,500
WC - Recycled Water	EN23090	WC On-Call /Small Projects FY2223	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN24017	WC Emergency O&M Projects FY 23/24	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN24040	WC Hydraulic Modeling FY 23/24	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 400,000
WC - Recycled Water	EN25017	WC Emergency O&M Projects FY 24/25	$ -	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN25031	Recycled Water Program Strategy 2025	$ -	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN26017	WC Emergency O&M Projects FY 25/26	$ -	$ -	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
WC - Recycled Water	EN27003	WC Emergency O&M Projects FY 23/24	$ -	$ -	$ -	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,750,000
WC - Recycled Water	EN27004	WC On-Call/Small Projects FY 23/24	$ -	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,250,000
WC - Recycled Water	PL18002	Basin Plan Amendment	$ 144,304	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 144,304
WC - Recycled Water	PL24005	PL 24006 WC Planning Documents	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,500,000
WC - Recycled Water	WR16001	Water Softener Removal Rebate Program	$ 100,000	$ 75,000	$ 75,000	$ 75,000	$ 50,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ -	$ 475,000
WC - Recycled Water	WR20029	Upper SAR HCP & Int Model-Recy Wtr Benef	$ 108,433	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 108,433
WC - Recycled Water	WR21029	Implement. of Upper SAR HCP - Recy Water	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ -	$ 2,250,000
		WC - Recycled Water Total	***$ 1,845,237***	***$ 1,912,000***	***$ 1,364,500***	***$ 1,367,000***	***$ 1,344,500***	***$ 1,322,000***	***$ 1,324,500***	***$ 1,120,857***	***$ 1,197,000***	***$ 922,000***	***$ 13,719,594***
RC - Regional Wastewater Capital	AM24009	RC Asset Management TS Projects	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 16,000	$ 160,000
RC - Regional Wastewater Capital	EN19001	RP-5 Expansion to 30 mgd	$ 60,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 60,000
RC - Regional Wastewater Capital	EN19006	RP-5 Biosolids Facility	$ 60,000										$ 60,000
		RC - Regional Wastewater Capital Total	***$ 136,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 16,000***	***$ 280,000***
RO - Regional Wastewater O&M	AM24002	REEP Return to Service Condition Assessment	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	AM24003	AM Planning Development and Documentation	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 2,000,000
RO - Regional Wastewater O&M	AM24004	RO Asset Management TS Projects	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 10,000,000
RO - Regional Wastewater O&M	AM24010	Agency Wide O&M Manual Update	$ 100,000	$ 1,000,000	$ 1,000,000	$ 2,000,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,100,000
RO - Regional Wastewater O&M	EN20034	RO On-Call/Small Projects FY 19/20	$ 87,600	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 87,600
RO - Regional Wastewater O&M	EN22024	Asset Management Cleaning Services	$ -	$ -	$ 500,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 3,000,000	$ 18,500,000
RO - Regional Wastewater O&M	EN23021	Agency Wide Inflitration and Infow Study	$ 300,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 300,000
RO - Regional Wastewater O&M	EN23026	RO Assessment Projects	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,500,000
RO - Regional Wastewater O&M	EN23066	Preserve Lift Station Improvements	$ 698,000	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 898,000
RO - Regional Wastewater O&M	EN23088	RO On-Call/Small Projects FY2223	$ 122,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 122,500
RO - Regional Wastewater O&M	EN24019	RO Emergency O&M Projects FY 23/24	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	EN24024	CCWRF Filter Effluent Structure/PipingRenamed the project to "CCWRF Subsidence Monitoring)	$ 50,000	$ -	$ -	$ -	$ -	$ -	$ 300,000	$ 350,000	$ -	$ -	$ 700,000
RO - Regional Wastewater O&M	EN24041	Regional Sewer-Hydraulic Modeling	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 400,000
RO - Regional Wastewater O&M	EN24042	RO On-Call/Small Projects FY 23/24	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 6,250,000
RO - Regional Wastewater O&M	EN24043	RO Safety On-Call/Small Projects FY 23/24	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 6,250,000
RO - Regional Wastewater O&M	EN25004	CCWRF Headworks Structure Concrete Repair	$ -	$ 200,000	$ 325,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 525,000
RO - Regional Wastewater O&M	EN25005	MLR Pump Station Condition Assessment and Repair	$ -	$ 100,000	$ 130,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 230,000
RO - Regional Wastewater O&M	EN25007	CCWRF Primary Dewatering Wetwell Inlet Valves	$ -	$ 30,000	$ 230,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 260,000
RO - Regional Wastewater O&M	EN25008	PE/RAS/MLR Concrete Structure Condition Assessment and Repair	$ -	$ 100,000	$ 290,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 390,000
RO - Regional Wastewater O&M	EN25009	CCWRF Primary Scum Wetwell Inlet Valves	$ -	$ 100,000	$ 145,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 245,000
RO - Regional Wastewater O&M	EN25019	RO Emergency O&M Projects FY 24/25	$ -	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	EN26019	RO Emergency O&M Projects FY 25/26	$ -	$ -	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	EN26025	RP2-Prelimanary Design Report for Decomm	$ -	$ -	$ -	$ -	$ -	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 1,500,000	$ 8,000,000	$ 14,000,000
RO - Regional Wastewater O&M	EN27005	RO Emergency O&M Projects FY 23/24	$ -	$ -	$ -	$ 500,000	$ 500,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 750,000	$ 4,750,000
RO - Regional Wastewater O&M	EN30001	CCWRF Filter Inlet and Bypass Gates	$ -	$ -	$ -	$ -	$ -	$ -	$ 200,000	$ 950,000	$ -	$ -	$ 1,150,000
RO - Regional Wastewater O&M	FM24006	RP-2 Lagoon Vegetation Removal	$ 400,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 400,000
RO - Regional Wastewater O&M	FM25002	Agency Wide Painting Services for Bldgs.	$ -	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,350,000
RO - Regional Wastewater O&M	FM29001	Paint CCWRF Blower Air and MLR Pipes at Aeration Basins	$ -	$ -	$ -	$ -	$ -	$ 500,000	$ -	$ -	$ -	$ -	$ 500,000
RO - Regional Wastewater O&M	PA21002	Agency Wide Coatings	$ -	$ -	$ 450,000	$ -	$ 250,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 300,000	$ 2,200,000
RO - Regional Wastewater O&M	PA22003	Agency Wide Paving	$ 300,000	$ -	$ -	$ -	$ -	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,300,000
RO - Regional Wastewater O&M	PL21001	Flow & Loading Supplemental Study	$ 350,132	$ 100,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 450,132
RO - Regional Wastewater O&M	PL23002	Pretrtmt & Source Cntr Linko Databse Upg	$ 5,255	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,255
RO - Regional Wastewater O&M	PL23004	Wastewater Flow and Loading Study	$ 100,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 100,000
RO - Regional Wastewater O&M	PL24001	Chino Creek Surface Water Monitoring Program	$ 160,000	$ 35,000	$ 90,000	$ 38,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 323,000

RO - Regional Wastewater O&M	PL24002	PFAS Investigation TPB Increase	$ 250,000	$ 180,000	$ 50,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 480,000
RO - Regional Wastewater O&M	PL24003	PL 24002 Planning Data Management and Billing Solutions	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
RO - Regional Wastewater O&M	PL24006	PL 24007 RO Planning Documents	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 1,500,000
RO - Regional Wastewater O&M	PL24007	PL 24008 Septic Conversions Investigation	$ 80,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 80,000
		RO - Regional Wastewater O&M Total	***$ 6,793,487***	***$ 5,235,000***	***$ 6,400,000***	***$ 7,228,000***	***$ 5,440,000***	***$ 8,640,000***	***$ 9,640,000***	***$ 10,440,000***	***$ 9,140,000***	***$ 15,640,000***	***$ 84,596,487***
WW - Water Resources	PL18001	Calif. Data Collab. WUE Data Analytics	$ 10,000	$ 10,000	$ 10,000	$ 12,500							$ 42,500
WW - Water Resources	PL20003	Integrated Wtr Resources Plan (IRP) 2020	$ 1,900										$ 1,900
WW - Water Resources	PL23003	Regional Water Resiliency Planning	$ 80,000										$ 80,000
WW - Water Resources	PL23012	Reg Imported Supply Reliability Analysis	$ 250,000	$ 250,000	$ 250,000	$ 250,000							$ 1,000,000
WW - Water Resources	PL24004	PL 24005 WW Planning Documents	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 2,500,000
WW - Water Resources	WR16024	SARCCUP	$ 120,000										$ 120,000
WW - Water Resources	WR18028	Chino Basin Water Bank PlanningAuthority	$ 275,757	$ 250,000	$ 250,000	$ 250,000							$ 1,025,757
WW - Water Resources	WR20027	Urban Water Management Plan 2020	$ 100,000										$ 100,000
WW - Water Resources	WR20028	Upper SAR HCP& Int. Model-Water Benefits	$ 108,433										$ 108,433
WW - Water Resources	WR21028	Implement. of Upper SAR HCP - Wtr Benefi	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000		$ 2,250,000
WW - Water Resources	WR23004	Discover the Environment and Water (DEW)	$ 115,356	$ 115,356	$ 115,356	$ 115,356							$ 461,425
WW - Water Resources	WU24001	WUE General Program Fund	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 50,000
WW - Water Resources	WU24002	WUE CBWCD-LEAP	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 300,000
WW - Water Resources	WU24003	WUE Landscape Training Classes	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 100,000
WW - Water Resources	WU24004	WUE Large Landscape Retrofit	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 160,000	$ 1,600,000
WW - Water Resources	WU24005	WUE Residential Device Rebates	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 500,000
WW - Water Resources	WU24006	WUE CII Device Rebates	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 50,000
WW - Water Resources	WU24007	WUE National Theater for Children	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 400,000
WW - Water Resources	WU24008	WUE Sponsorships-Outreach	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 300,000
WW - Water Resources	WU24009	WUE Pilot Program	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 400,000
WW - Water Resources	WU24010	WUE PRV Program	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 80,000	$ 800,000
WW - Water Resources	WU24011	WUE MA Administered Projects	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 290,000	$ 2,900,000
WW - Water Resources	WU24012	WUE Small Site WBIC Upgrade Prog	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 350,000	$ 3,500,000
WW - Water Resources	WU24013	WUE CII Turf Replacement	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 50,000
WW - Water Resources	WU24014	WUE Residential Turf Replacement	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 5,000	$ 50,000
WW - Water Resources	WU24015	WUE Landscape Irrigation Tune-up	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
		WW - Water Resources Total	***$ 3,161,446***	***$ 2,725,356***	***$ 2,725,356***	***$ 2,727,856***	***$ 2,100,000***	***$ 2,100,000***	***$ 2,100,000***	***$ 2,100,000***	***$ 2,100,000***	***$ 1,850,000***	***$ 23,690,015***
		Grand Total	***$ 14,175,277***	***$ 10,735,356***	***$ 11,352,856***	***$ 12,235,856***	***$ 11,579,500***	***$ 12,775,000***	***$ 13,777,500***	***$ 14,373,857***	***$ 13,150,000***	***$ 19,125,000***	***$ 133,280,203***

APPENDIX D: Ten-Year Forecast


Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT
2022
IEUA's
Ten-Year Forecast

Contents

ABBREVIATIONS

AF: Acre Feet

CCRA: Capital Capacity Reimbursement Account

CCWRF: Carbon Canyon Water Reclamation Facility

CVWD: Cucamonga Valley Water District

EDU: Equivalent Dwelling Unit

FY: Fiscal Year

IEUA: Inland Empire Utilities Agency

IERCF: Inland Empire Regional Composting Facility

MGD: Million Gallons per Day

MWD: Metropolitan Water District of Southern California

O&M: Operation and Maintenance

RC: Regional Wastewater Capital Improvement Fund

TYF: Ten-Year Forecast

RCAs: Regional Contracting Agencies

RP-1: Regional Water Recycling Plant 1

RP-2: Regional Water Recycling Plant 2

RP-4: Regional Water Recycling Plant 4

RP-4: Regional Water Recycling Plant 5

WWFMPU: 2015 Wastewater Facilities Master Plan Update

SECTION 1: BACKGROUND

Inland Empire Utilities Agency Overview

The Inland Empire Utilities Agency (IEUA) is a regional wastewater treatment agency and wholesale distributor of imported water. IEUA is responsible for serving approximately 875,000 people over 242 square miles in western San Bernardino County. IEUA is focused on providing three key services: (1) treating wastewater, developing recycled water, local water resources, and conservation programs to reduce dependence on imported water supplies and provide local supply resiliency to the region; (2) converting biosolids and waste products into a high-quality compost made from recycled materials; and (3) generating electrical energy from renewable sources.

Formation & Purpose

IEUA was originally formed as the Chino Basin Municipal Water District on June 6, 1950, as a municipal corporation with the mission to supply supplemental imported water purchased from the Metropolitan Water District of Southern California (MWD) to municipalities in the Chino Basin. Since then, IEUA has expanded its mission from a supplemental water supplier to include regional wastewater treatment with both domestic and industrial disposal systems along with energy production facilities. In addition, IEUA has become a major provider of recycled water, a supplier of biosolids/compost materials, and continues its leading role in water quality management and environmental protection in the Inland Empire.

Governance

IEUA is a special district governed by five publicly elected Board of Directors. Each director is assigned to one of the five divisions which generally serve the following regions: Division 1- Upland/Montclair; Division 2- Ontario; Division 3- Chino/Chino Hills; Division 4- Fontana; and Division 5- Rancho Cucamonga. Monthly meetings are also held with the Regional Technical and Policy Committees comprised of representatives from each of IEUA's Regional Sewer Service Contracting Agencies. These Committees discuss and provide recommendations on various technical and policy issues affecting IEUA.

Contracting Agencies

As a regional wastewater treatment agency, IEUA provides wastewater utility services to seven contracting agencies under the Chino Basin Regional Sewage Service Contract (Regional Contract): the cities of Chino, Chino Hills, Fontana, Montclair, Ontario, and Upland along with Cucamonga Valley Water District (CVWD). Figure 1 depicts each Contracting Agency's sphere of influence within IEUA's service area.

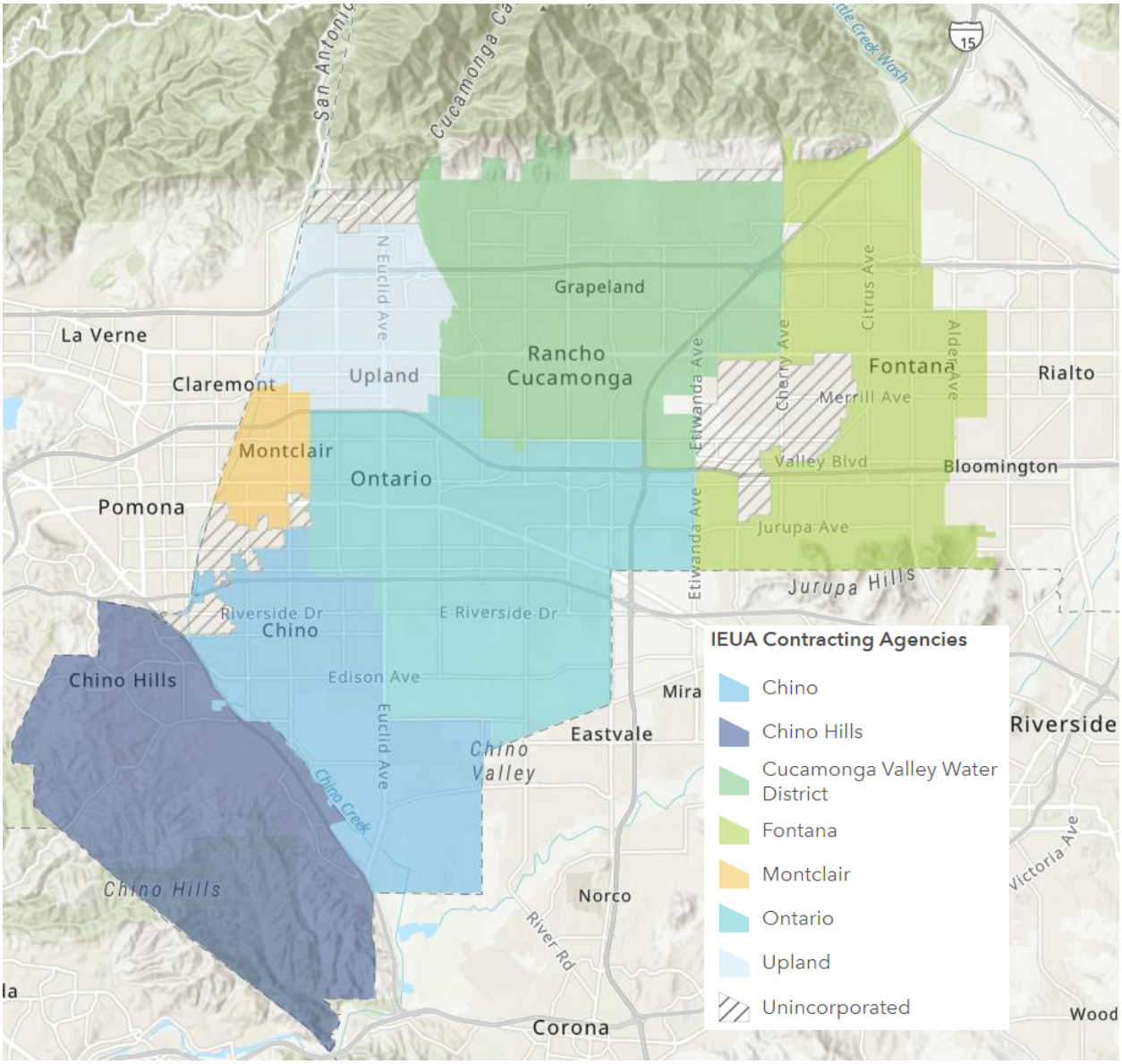


Figure 1 – IEUA Contracting Agencies

SECTION 2: INTRODUCTION TO THE TEN-YEAR FORECAST

Ten-Year Forecast Purpose

The Board of Directors of the Inland Empire Utilities Agency adopts a Ten-Year Forecast (TYF) based on the growth and regulatory requirements, existing asset management needs, and recommendations from the Regional Technical and Policy Committees, pursuant to the terms of the Regional Sewage Service Contract. The purpose of the TYF is to catalog and schedule capital improvement projects necessary to enable the regional wastewater system to meet forecasted demands for all the Contracting Agencies over a multi-year period. Pursuant to Section 9 of the Regional Contract, IEUA submits a TYF of capacity demands and capital projects to the Regional Technical and Policy Committees. This TYF identifies projects for the Fiscal Year (FY) 2022/2023 through FY 2031/2032.

Projects identified in the TYF are important to ensure regional reliability and safety while meeting all regulatory requirements based on the physical conditions of assets and the forecasted regional projection of wastewater needs. According to these projections, the TYF proposes a schedule for implementing projects based on necessity. The timing of the projects identified in the TYF are further refined during the Capital Budget process, based on the availability of financial resources.

Definition of a Capital Project

The TYF is composed of a list of capital projects, which are projects that involve the purchase, improvement, or construction of major fixed assets and equipment, such as the expansion of treatment plants, the construction of pipeline and pump stations, and the replacement of equipment. Capital projects do not include funds spent on standard operation and maintenance (O&M).

Regional Sewage Service Contract Requirements and Plan Adoption

The Regional Sewage Service Contract is the guiding document that defines the terms of the services and facilities in IEUA's regional wastewater system. The Regional Contract was originally signed in January 1973, amended in 1984 and 1994, and is due for renewal in January 2023, 50 years after it was originally executed.

As required by the Regional Contract, the TYF includes wastewater flow forecasts, a description of planned capital projects, capital project expenditures, plant capacities, and available funding of the Regional Wastewater Capital Improvement (RC) fund. After detailed review, comments, and recommendations from the Regional Technical and Policy Committees and the Agency's Board of Directors, the TYF is adopted.

SECTION 3: REGIONAL WATER RECYCLING INFRASTRUCTURE

Regional Wastewater Recycling Plants

The Agency has four regional water recycling plants which produce recycled water from treated wastewater. Recycled water from all four plants meets Title 22 standards and it is used for agriculture, landscaping, industrial processing and groundwater recharge. The four regional facilities are: Regional Water Recycling Plant No.1 (RP-1), Regional Water Recycling Plant No.4 (RP-4), Regional Water Recycling Plant No.5 (RP-5), and Carbon Canyon Wastewater Recycling Facility (CCWRF). All the plants have primary, secondary, and tertiary treatment and recycled water pumping facilities that are interconnected in a regional network. Agency staff use wastewater bypass and diversion facilities, such as the San Bernardino Lift Station, Montclair Diversion Structure, Etiwanda Trunk Line, and Carbon Canyon bypass, to optimize IEUA's flows and capacity utilization. In general, flows are routed between regional plants in order to maximize recycled water deliveries while minimizing overall pumping and treatment costs. IEUA also has three facilities where the biosolids from the water recycling plants are handled: RP-1 Solids Handling Facility, Regional Water Recycling Plant No.2 (RP-2) Solids Handling Facility, and the Inland Empire Regional Composting Facility (IERCF).

Regional Wastewater System

The regional pipeline system that connects the plants can be used to send sewer flow from one water recycling plant to another to balance and optimize the use of treatment capacity. Currently, the regional interceptors can send partially treated flows from RP-4 to RP-1 and RP-2 to RP-5 and raw influent from CCWRF to RP-5. In addition, primary effluent can be sent from the RP-1 equalization basins to RP-5.

IEUA also has four regional wastewater lift stations. These are used to shift flows that would naturally flow from one portion of the service area to a different treatment plant. This balancing of flows keeps water in the northern portion of the service area, maximizing potential recycled water use. The lift stations are:

- Montclair Lift Station – pumps wastewater from portions of Montclair, Upland, and Chino to RP-1 and CCWRF.
- Preserve Lift Station – pumps wastewater from the Prado Regional Park and The Preserve community in the City of Chino to RP-5.
- RP-2 Lift Station – pumps wastewater from the southeastern portions of the cities of Chino and Chino Hills and the solids treatment side streams from RP-2 to RP-5.
- San Bernardino Avenue Pump Station – pumps a portion of the flow from the City of Fontana to RP-4.

Figure 2 illustrates the regional wastewater network that connects the treatment plants.

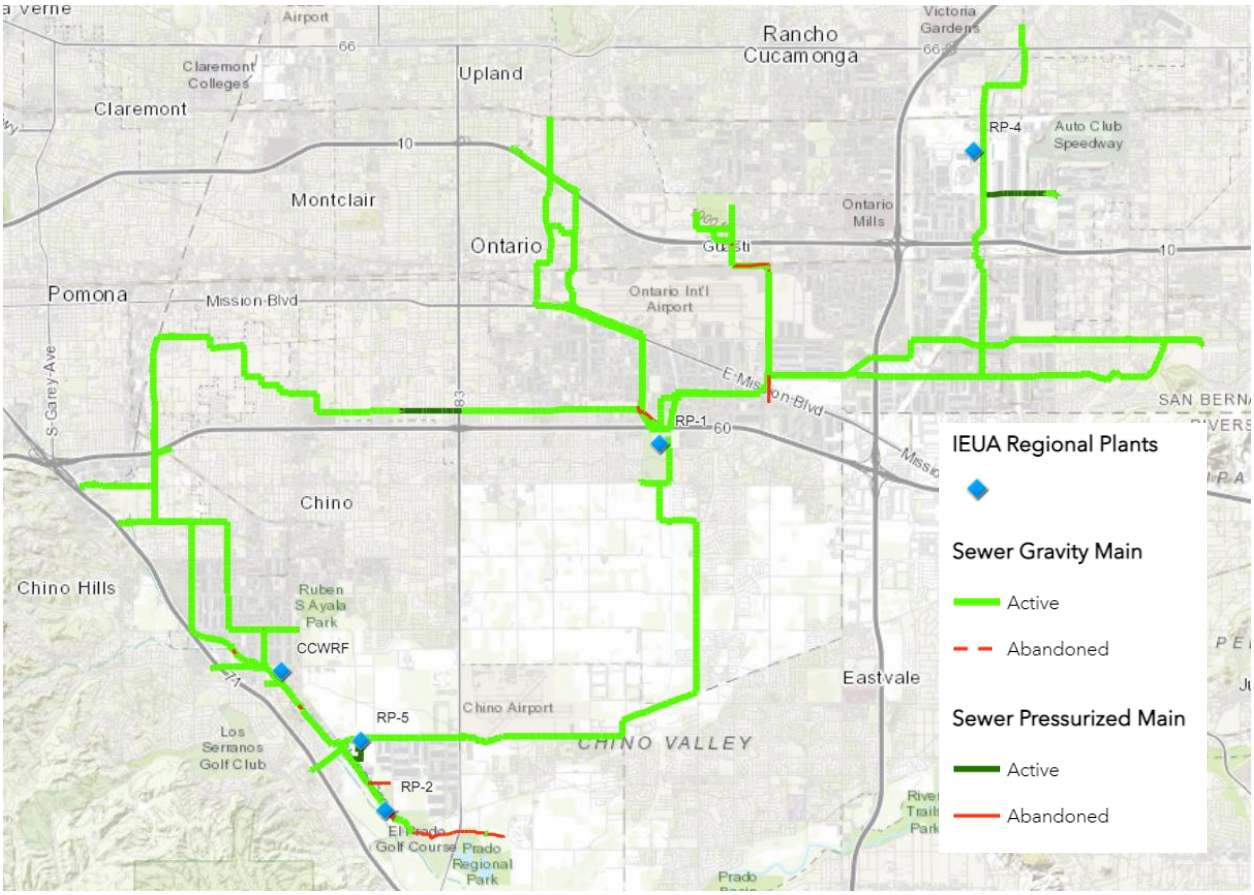


Figure 2 – IEUA Regional Wastewater System

Carbon Canyon Water Reclamation Facility

CCWRF is located in the City of Chino and has been in operation since May 1992. The CCWRF works in tandem with RP-2 and RP-5 to serve the areas of Chino, Chino Hills, Montclair, and Upland. Wastewater is treated at CCWRF while the biosolids removed from the wastewater flow are pumped to RP-2 for processing. The CCWRF is designed to treat an annual average flow of 12 MGD and treats approximately 8.0 MGD.

Regional Water Recycling Plant No. 1

RP-1 is located in the City of Ontario near the intersection of Highway 60 and Archibald Avenue. This facility was originally commissioned in 1948 and has undergone several expansions to increase the design wastewater treatment capacity to approximately 44 MGD, based on the wastewater characteristics at the time of the expansions. Although the projected wastewater flows do not show a significant increase from current to build-out, they do reflect higher loading characteristics that require treatment process modifications to meet effluent discharge regulations. RP-1 serves the areas of Ontario, Upland, Fontana, Chino, Montclair, and Rancho Cucamonga, and currently treats approximately 25.5 MGD.

Regional Water Recycling Plant No. 2

RP-2 in the City of Chino has been in operation since 1960. RP-2 was both a liquids and solids treatment facility until 2004, when RP-5 was constructed to handle the liquids portion. Since then, RP-2 treats only the solids from CCWRF and RP-5. RP-2 treatment processes include gravity thickening and DAF thickening, anaerobic digestion for stabilization, and dewatering by either belt press or centrifuge.

Once the solids are dewatered, they are transported to the IERCF. RP-2 is located on land leased from the US Army Corps of Engineers and the lease is due to expire in 2035. RP-2 is also located within the recently redefined flood zone behind Prado Dam. Orange County Flood Control District and the Army Corps have plans to raise the maximum operational water level behind the dam to allow greater water storage and conservation. Since RP-2 does not have physical flood protection, IEUA will relocate the solids handling from RP-2 to RP-5. The relocation of solids handling is expected to start in 2023.

Regional Water Recycling Plant No. 4

RP-4 is located in Rancho Cucamonga and has been in operation treating wastewater and producing recycled water since 1997. The RP-4 facility capacity was doubled in 2009 from 7 MGD to 14 MGD.

Waste sludge generated at RP-4 is discharged back to the sewer and flows by gravity to RP-1. RP-4 serves areas of Fontana and Rancho Cucamonga, treating approximately 8.8 MGD.

Regional Water Recycling Plant No. 5

RP-5 is located immediately east of the Agency's Administrative Headquarters campus in the City of Chino and began operation in March 2004. It has a capacity rating of 16.3 MGD, which includes capacity for approximately 15 MGD of raw wastewater and 1.3 MGD of solids processing return or recycled flows from RP-2. Waste sludge produced at RP-5 is pumped to the RP-2 solids handling facility, which will be relocated to RP-5 around 2023. RP-5 serves areas of Chino, Chino Hills, and Ontario, treating approximately 8.3 MGD.

The RP-5 Solids Handling Facility was operated by IEUA from 2001 to 2009 as a regional facility accepting dairy manure for recycling and generating biogas. In 2010, IEUA entered into a lease agreement with Environ Strategies (now Inland BioEnergy) and in 2012, they began utilizing the facility for digestion of primarily food wastes with minor amounts of dairy manure. RP-5 SHF can process 705 wet tons/day of food and dairy waste through an anaerobic digestion process and can generate electricity from the biogas produced. As of August 2017, Inland BioEnergy stopped regular Operations of the facility. Due to the regional benefits of such a waste handling facility and the reduced energy costs, the Agency plans to keep RP-5 SHF available for the processing of food and dairy waste.

Regional Wastewater Recycling Plant Capacity

The regional wastewater recycling plants utilized capacity is calculated based on a 12-month average of influent flows measured in million gallons per day (MGD) as seen in Table 1.

Table 1 - Regional Plant Capacity Utilization (MGD)

Regional Plant	Total Capacity	Average FY 20/21 Used Capacity	Capacity Remaining	Scheduled Expansions
CCWRF	12.0	8.0	4.0	N/A
RP-1	32.0*	24.7	7.3	+8.0
RP-2**	N/A	N/A	N/A	N/A
RP-4	14.0	8.9	5.1	N/A
RP-5	16.3	8.7	7.6	+6.2
Total Influent	**74.3**	**50.3**	**24.0**	**+14.2**

**RP-1 total hydraulic capacity without loading treatment limitations is 44 MGD*

***RP-2 liquid treatment facilities have been relocated to RP-5*

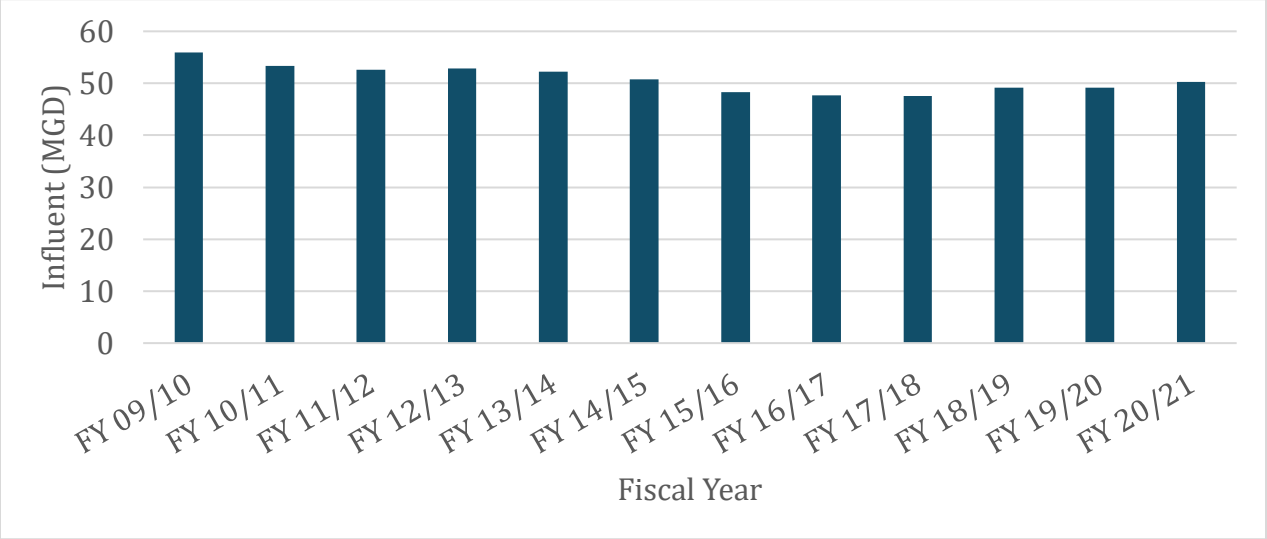


Figure 3 – Historical Regional Influent Flows

Capacity Expansion

Wastewater flow forecasts are conducted annually and are based on four main components: (1) historical wastewater flow trends; (2) per dwelling unit wastewater generation factors, based on the 2015 Wastewater Facilities Master Plan Update (WWFMPU) projections; (3) actual influent flows measured at the treatment plants; and (4) expected future growth numbers provided by the RCAs. These projections are used to determine future demands on

the Agency's facilities and help anticipate the need for modifications to treatment plants and solids handling facilities.

The WWFMPU identified the projected flows to the treatment plants in 2035 through 2060. The WWFMPU estimates that there will be a regional flow of 73.5 MGD by 2035 and an ultimate/build-out flow of 80 MGD by 2060. Capacity projects to address increasing demands within the 10-year window include expansions at RP-5, the relocation of RP-2 solids handling to RP-5, and the beginning of the RP-1 liquid capacity recovery and solids treatment expansion.

The expansion at RP-5 set for completion in 2025 will increase the plant capacity to 22.5 MGD, up 6.2 MGD from its current capacity of 16.3 MGD.

The RP-1 liquid capacity recovery project is set to recover 8 MGD of capacity lost due to system loading. While RP-1 has a hydraulic capacity of 44 MGD, only 32 MGD of capacity is usable due to loading treatment constraints. After the recovery project is completed, the total usable capacity will be increased to 40 MGD, still 4 MGD below the plant's hydraulic capacity.

System Loading

Over the past decade the IEUA service area has experienced an increase in indoor water use efficiency as a direct result of drought, shifting public policy, more efficient building and plumbing codes, and effective conservation program campaigns. This increased efficiency has decreased the total influent volume of wastewater flows received by IEUA treatment plants by approximately 10% since 2010. While the flows have decreased, the regional population has continued to grow. The combination of an increased population but reduced wastewater flow has resulted in an increase in the strength of the wastewater coming into IEUA's treatment facilities. This trend of increased wastewater strength is expected to continue as both the population and regional water efficiency continue to increase. Current and future wastewater treatment plant expansions are largely driven by the increased strength of wastewater flows to the facilities, rather than the volume of flows to the facilities.

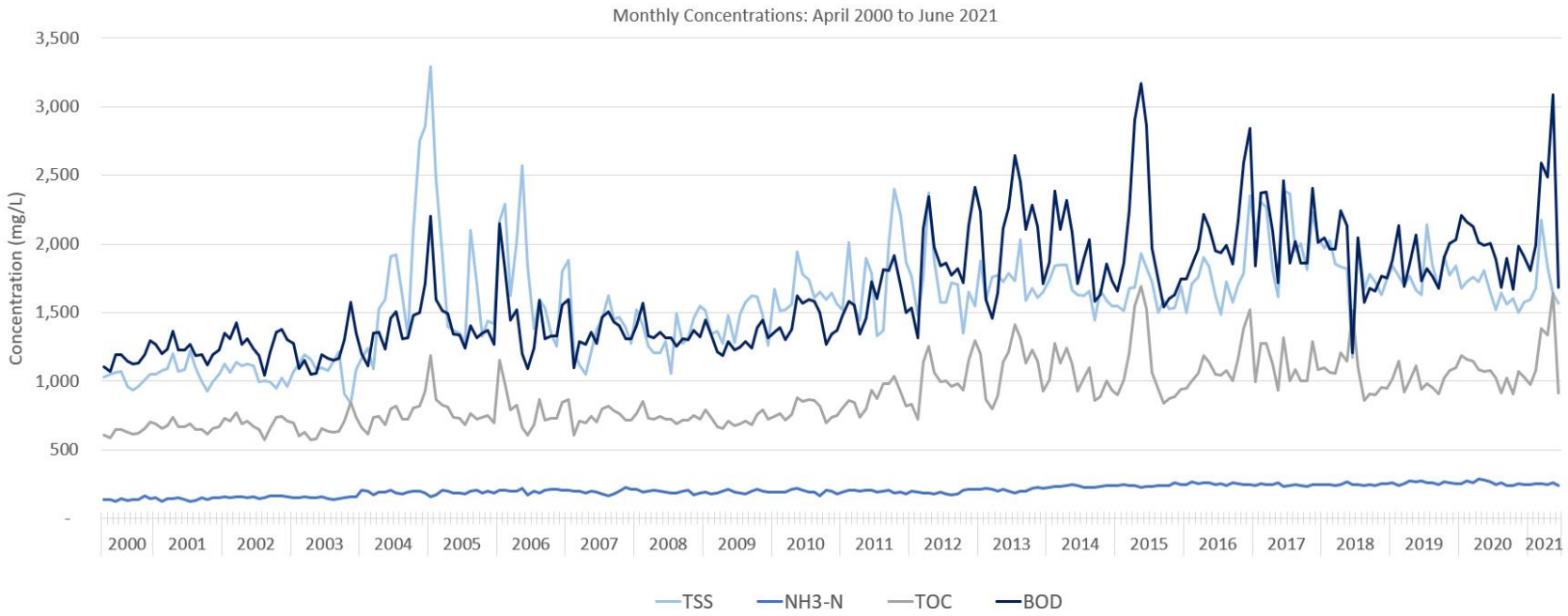


Figure 4 – Monthly Concentrations: April 2000 – June 2021

SECTION 4: EQUIVALENT DWELLING UNITS

One equivalent dwelling unit (EDU) is an approximate measure of the daily wastewater flow in quantity and strength of an average single-family household as determined in Exhibit "J" of the Regional Contract. This unit of measurement enables IEUA and the RCAs to uniformly track past and projected connections to the regional wastewater system.

Historical EDU Activity

EDU activity has increased from FY 19/20 to FY 20/21 with the addition of 5,281 EDUs to the region compared to the addition of only 3,435 EDUs the previous fiscal year. The additional EDUs added in FY 20/21 are 3,732 EDUs lower than the RCAs projections of 9,013 EDUs and 1,281 EDUs more than the IEUA Budgeted Projections of 4,000 EDUs. Two sets of projections exist in order to allow for conservative estimates. The RCAs' projections are required under the Regional Contract and serve as a planning tool for plant treatment capacity and loading. Under the Regional Contract, RCAs who report EDU projections that are lower than what the regional experiences may have building moratoriums imposed. For this reason, the RCAs may make projections conservatively high. Budgeted projections are used by IEUA to project future wastewater treatment needs and fund availability. To ensure adequate fund availability, budgeted projections are conservatively low. The result of both sets of projections is the assumption that projections are conservative, ensuring IEUA treatment plants can safely and effectively treat the additional wastewater while also ensuring the agency does not over-project fund availability. Table 2 outlines the building activity in the region along with both sets of EDU projections.

Table 2 - Building Activity for Last Five Fiscal Years (FY 15/16 through FY 20/21)

Year	Building Activity (EDUs)	Budgeted Projections (EDUs)	RCAs Projections (EDUs)
FY 15/16	4,787	4,330	5,849
FY 16/17	5,189	3,000	5,277
FY17/18	5,223	4,000	5,442
FY 18/19	3,459	4,000	6,149
FY 19/20	3,435	4,000	6,390
FY 20/21	5,281	4,000	9,013

Projected EDU Activity

In accordance with the Regional Contract, the RCAs completed a survey of their 10-year capacity demand forecast. The results of the 10-year capacity demand forecast survey are summarized in Table 3. For FY 2021/22, the forecasted activity was 9,144 additional EDUs. Over the next ten years, activity was projected to total 67,927 EDUs added region wide. Approximately 72% of this projected activity is a result of new development in the service areas of Ontario and Fontana. Over the next ten years, building activity is projected to be approximately 80% residential and 20% commercial/industrial. Figure 5 highlights the breakdown between residential and commercial/industrial projected EDUs.

Table 3 – 10 Year Projected RCAs EDU Activity

Fiscal Year	Chino EDUs	Chino Hills EDUs	CVWD EDUs	Fontana EDUs	Montclair* EDUs	Ontario EDUs	Upland EDUs	Total EDUs
FY 21/22	434	138	2,050	1,792	474	3,780	476	9,144
FY 22/23	396	361	2,050	1,863	106	3,382	456	8,614
FY 23/24	396	570	1,650	1,935	26	3,382	351	8,310
FY 24/25	396	391	1,250	2,011	26	3,382	271	7,727
FY 25/26	396	200	890	2,089	26	2,660	176	6,437
FY 26/27	395	276	490	2,171	26	2,520	100	5,978
FY 27/28	285	231	490	2,171	26	2,410	55	5,668
FY 28/29	285	1	490	2,171	26	2,410	0	5,383
FY 29/30	235	1	490	2,171	26	2,410	0	5,333
FY 30/31	235	1	490	2,171	26	2,410	0	5,333
TOTAL	**3,453**	**2,170**	**10,340**	**20,545**	**788**	**28,746**	**1,885**	**67,927**

**The City of Montclair's forecasts have been extended from last Fiscal Year as a completed 2021 10-year capacity demand forecast was not completed.*

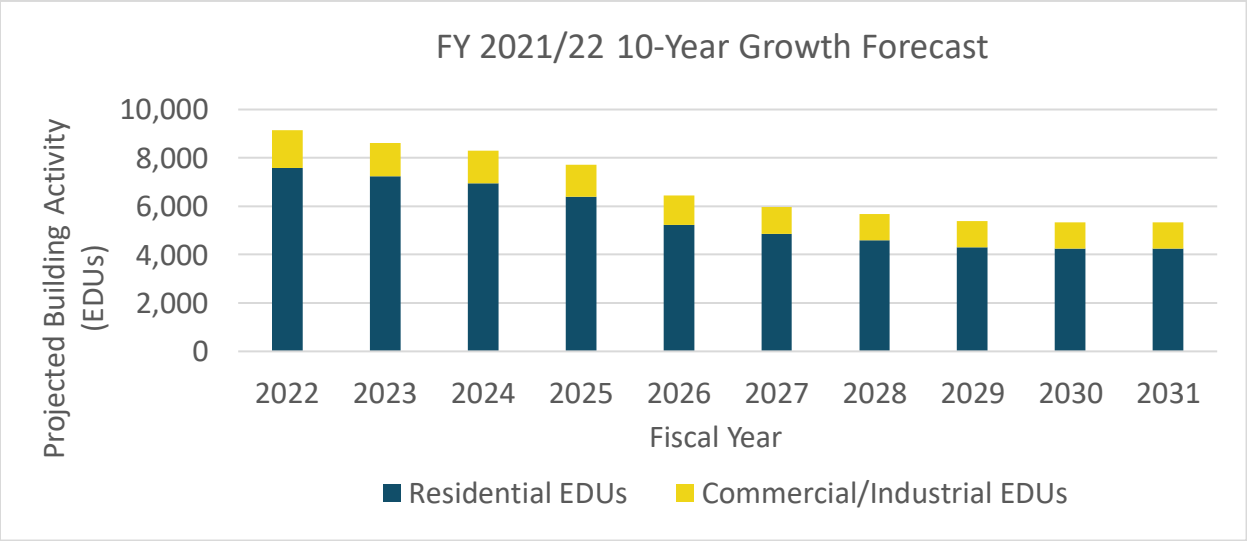


Figure 5 – FY 21/22 10-Year Growth Forecast

Estimated CCRA account contributions in 2022 dollars are calculated by taking the RCAs EDU projections and multiplying them by the current adopted EDU rate of $7,379. Projected CCRA contributions are estimated at roughly $67 million at the start of the ten-year period and steadily dropping year after year to around $39 million.

Capital Capacity Reimbursement Accounts

IEUA levies a fee on all new connections to its regional wastewater system. Connection fees are restricted to finance capital acquisition, construction, equipment, and process improvement costs for the IEUA's regional wastewater system. Pursuant to the Regional Contract, new EDU connection fees are collected by each of IEUA's RCAs and held in trust in a Capital Capacity Reimbursement Account (CCRA) until requested, or "called", by IEUA. Capital calls, or connection fee payments of CCRA funds, are based on the identified and projected capital needs of IEUA over the ensuing nine months, as calculated and reported by IEUA each quarter. Connection fees rates were evaluated as part of IEUA's FY 2019/2020 Rate Study. Capital calls are calculated based on the proportionate share of each Contracting Agency's CCRA account balance relative to the aggregate amount. The current balance of the CCRA accounts can be found in Table 4 below.

Table 4 – Contracting Agencies CCRA Balance as of June 30th, 2021

Regional Contracting Agency	CCRA Balance
City of Chino	$ 12,540,350.96
City of Chino Hills	$ 4,892,678.48
Cucamonga Valley Water District	$ 11,578,029.93
City of Fontana	$ 20,217,463.28
City of Montclair	$ 2,770,381.23
City of Ontario	$ 33,764,260.28
City of Upland	$ 5,748,458.49
Total	**$ 91,511,622.65**

SECTION 5: WASTEWATER CAPITAL IMPROVEMENT PROJECTS

Regional Wastewater Capital Improvement Fund

The TYF evaluates capital improvement projects necessary to meet wastewater forecasted demands. IEUA categorizes these projects into the RC Fund. Expenses charged to the RC Fund include capital projects that are required to meet regional growth in the forms of flow, loading, capacity or other factors. The RC Fund's primary sources of revenue include new EDU connection fees and property taxes but also include debt proceeds, loans, and grants. An estimated breakdown of the RC Fund balance over the next 10-years can be found in Appendix B.

Ten-Year Forecast Project List

The TYF contains projects which were identified by IEUA staff and include expansion projects to provide additional treatment capacity to meet future growth. Drivers used to determine the timeframe and necessity of projects include regulatory and permitting requirements, wastewater flow projections, asset age, performance, efficiency, and grant or funding availability. Total wastewater capital spending over the next ten-years is projected to be $544,403,853. The TYF project list represents IEUA's capital projects forecast based on existing planning documents and anticipated funding sources. The full list of TYF projects can be found in Appendix A.

APPENDIX A: TEN-YEAR FORECAST PROJECT LIST

Fund Name	Project Number	Project Name	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	FY 31/ 32	Total TYCIP FY 2023-2032
RC - Regional Wastewater Capital Improvement	EN19001	RP-5 Expansion to 30 mgd	$ 40,000,000	$ 50,000,000	$ 20,000,000	$ 13,000,000							$ 123,000,000
RC - Regional Wastewater Capital Improvement	EN22044	RP-1 Thickening Building & Acid Phase Digester	$ 4,500,000	$ 27,100,000	$ 47,340,000	$ 42,140,000	$ -						$ 121,080,000
RC - Regional Wastewater Capital Improvement	EN19006	RP-5 Bio Solids Handling Facility	$ 67,000,000	$ 30,000,000	$ 15,000,000	$ -							$ 112,000,000
RC - Regional Wastewater Capital Improvement	EN22006	RC Asset Management	$ 250,000	$ 250,000	$ 2,400,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 8,000,000	$ 58,900,000
RC - Regional Wastewater Capital Improvement	EN24001	RP-1 Liquid Treatment Capacity Recovery	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,000,000	$ 13,000,000	$ 13,000,000	$ 13,000,000	$ 41,000,000
RC - Regional Wastewater Capital Improvement	EN17006	CCWRF Asset Management and Improvements	$ 9,000,000	$ 16,000,000	$ 699,853	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 25,699,853
RC - Regional Wastewater Capital Improvement	EN24002	RP-1 Solids Treatment Expansion	$ -	$ -	$ 4,000,000	$ 8,000,000	$ 8,000,000	$ -	$ -	$ -	$ -	$ -	$ 20,000,000
RC - Regional Wastewater Capital Improvement	EN11039	RP-1 Disinfection Improvements	$ 8,270,000	$ 1,190,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,460,000
RC - Regional Wastewater Capital Improvement	EN21045	Montclair Force Main Improvements	$ 1,040,000	$ 4,800,000	$ 2,600,000								$ 8,440,000
RC - Regional Wastewater Capital Improvement	EN23015	Collection System Upgrades 22/23	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
RC - Regional Wastewater Capital Improvement	ENxxy85	New Regional Project PDR's FY22/23	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 5,000,000
RC - Regional Wastewater Capital Improvement	EN22022	RP-1 Air Compressor Upgrades	$ 390,000	$ 3,600,000									$ 3,990,000
RC - Regional Wastewater Capital Improvement	PL19001	Purchase Existing Solar Installation						$ 3,500,000					$ 3,500,000
RC - Regional Wastewater Capital Improvement	EN22041	RP-1 Aeration Basins UW System Improvements	$ 1,500,000	$ 500,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,000,000
RC - Regional Wastewater Capital Improvement	PL17002	HQ Solar Photovoltaic Power Plants Ph. 2					$ 300,000	$ 1,100,000					$ 1,400,000
RC - Regional Wastewater Capital Improvement	ENxxx17	RP-1 Motor Control Center 9M Upgrades	$ 150,000	$ 900,000									$ 1,050,000
RC - Regional Wastewater Capital Improvement	EN18036	CCWRF Asset Mgmt and Improvement Pkg. III	$ -	$ -	$ -	$ 200,000	$ 500,000	$ 300,000					$ 1,000,000
RC - Regional Wastewater Capital Improvement	ENxxy20	IEUA SCADA Master Plan	$ -	$ 500,000					$ 250,000				$ 750,000
RC - Regional Wastewater Capital Improvement	EN19025	Montclair and San Bernardino Lift Station Force Main Clean Out Vaults	$ 704,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 704,500
RC - Regional Wastewater Capital Improvement	EN18006	RP-1 Flare Improvements	$ 240,000										$ 240,000
RC - Regional Wastewater Capital Improvement	ENxxxx5	CCWRF Filter Effluent Sodium Hypochlorite Modificaion	$ 50,000	$ 55,000									$ 105,000
RC - Regional Wastewater Capital Improvement	EN22040	NFPA 70E required labels	$ 75,000										$ 75,000
RC - Regional Wastewater Capital Improvement	EN22042	RP-4 Ammonia Analyzers and Support System	$ 9,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,500
Total			**$ 134,179,000**	**$ 135,895,000**	**$ 93,039,853**	**$ 72,340,000**	**$ 17,800,000**	**$ 13,900,000**	**$ 11,250,000**	**$ 22,000,000**	**$ 22,000,000**	**$ 22,000,000**	**$ 544,403,853**

APPENDIX B: REGIONAL WASTEWATER CAPITAL IMPROVEMENT FUND BALANCE

Table 5 - Regional Wastewater Capital Improvement Fund (RC) Yearly Balance												
	FY 2019/2020	FY 2020/2021	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28	FY 2028/29	FY 2029/30	FY 2030/31
	Actual	Projected Actual	Proposed Budget	Proposed Budget	Forecast							
REVENUES AND OTHER FINANCING SOURCES												
Interest Revenue	835,858	826,462	591,557	699,533	838,285	721,458	435,810	322,803	295,367	295,367	295,367	295,368
TOTAL REVENUES	**$835,858**	**$826,462**	**$591,557**	**$699,533**	**$838,285**	**$721,458**	**$435,810**	**$322,803**	**$295,367**	**$295,367**	**$295,367**	**$295,368**
OTHER FINANCING SOURCES												
Property Tax - Debt and Capital	$36,148,496	$36,751,700	$37,366,000	$37,991,000	$38,628,000	$39,275,000	$39,935,000	$40,607,000	$41,291,000	$41,987,000	$42,696,000	$43,417,000
Regional System Connection Fees	24,259,070	25,038,000	29,514,238	30,399,665	31,311,655	32,251,005	33,218,535	34,215,091	30,836,351	31,761,441	32,714,284	33,695,713
Debt Proceeds	196,436,445	0	761,460	13,807,300	33,045,840	31,000,000	198,508,043	0	0	0	0	0
State Loans	0	0	0	30,905,870	108,987,515	23,750,000	4,776,407	0	0	0	0	0
Grants	122,690	0	0	0	0	0	0	0	0	0	0	0
Capital Reimbursement	0	0	0	0	0	0	0	0	0	0	0	0
Other Revenues	1,051,715	4,430	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Loan Transfer from Internal Fund	0	0	0	2,000,000	6,000,000	5,500,000	0	0	0	0	0	0
TOTAL OTHER FINANCING SOURCES	**$258,018,416**	**$61,794,130**	**$67,642,698**	**$115,104,835**	**$217,974,010**	**$131,777,005**	**$276,438,985**	**$74,823,091**	**$72,128,351**	**$73,749,441**	**$75,411,284**	**$77,113,713**

INFORMATION ITEM

3B

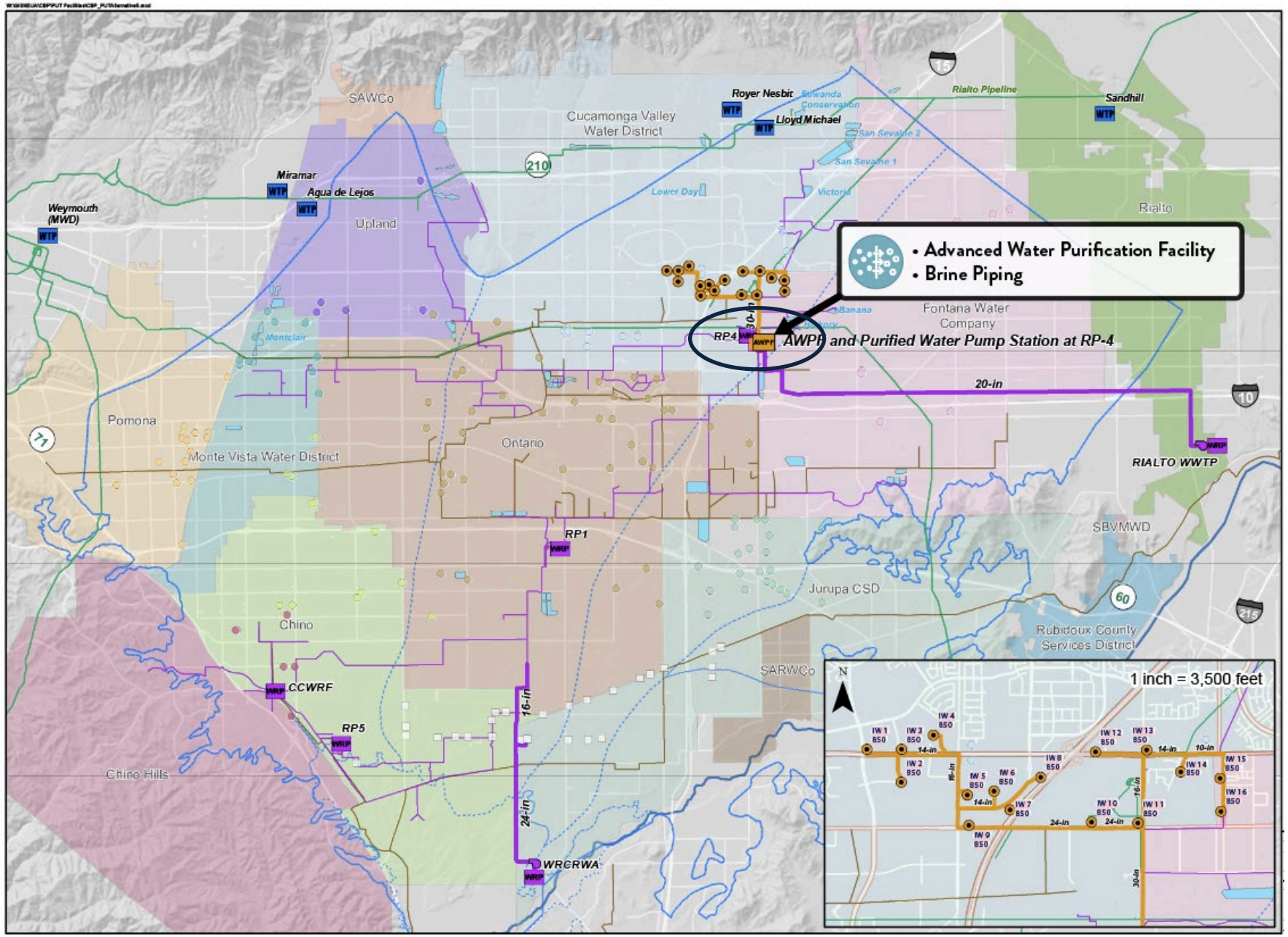
Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Consulting Program Management and Owner Engineering Solicitation Update

Adham Almasri, P.E., PMP
Principal Engineer
May/June 2023

Capital Project Alternatives- *Facility Comparison*

Facility	Baseline Compliance		Recycled Water Program Expansion (15 TAFY)	CBP | WSIP (15 TAFY)
	Salinity (9 TAFY)	PFAS (15 TAFY)		
Advanced Water Purification Facility [AWPF]	✓	✓	✓	✓
External Supplies • City of Rialto RW • WRCRWA RW		✓ ✓	✓ ✓	✓ ✓
Aquifer Replenishing Wells			✓	✓
Extraction and Regional Distribution System • Wells and Laterals • Backbone Distribution System				✓ ✓
MWD Interconnection				✓



Baseline Compliance

- AWPF

Inland Empire Utilities Agency
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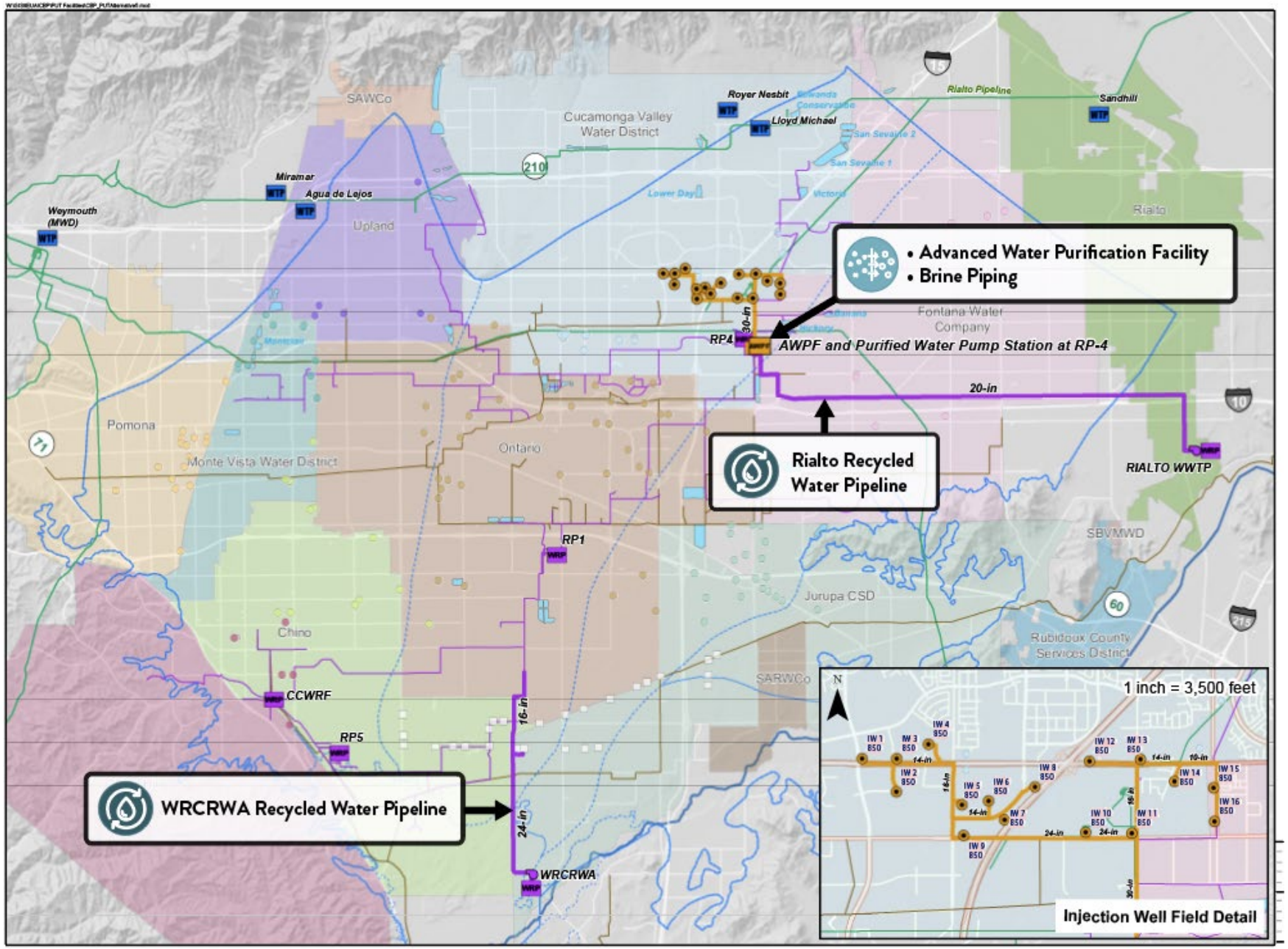
Recycled Water Program Expansion



- AWPF
- Rialto RW
- WRCRWA RW
- Aquifer Replenishing Wells

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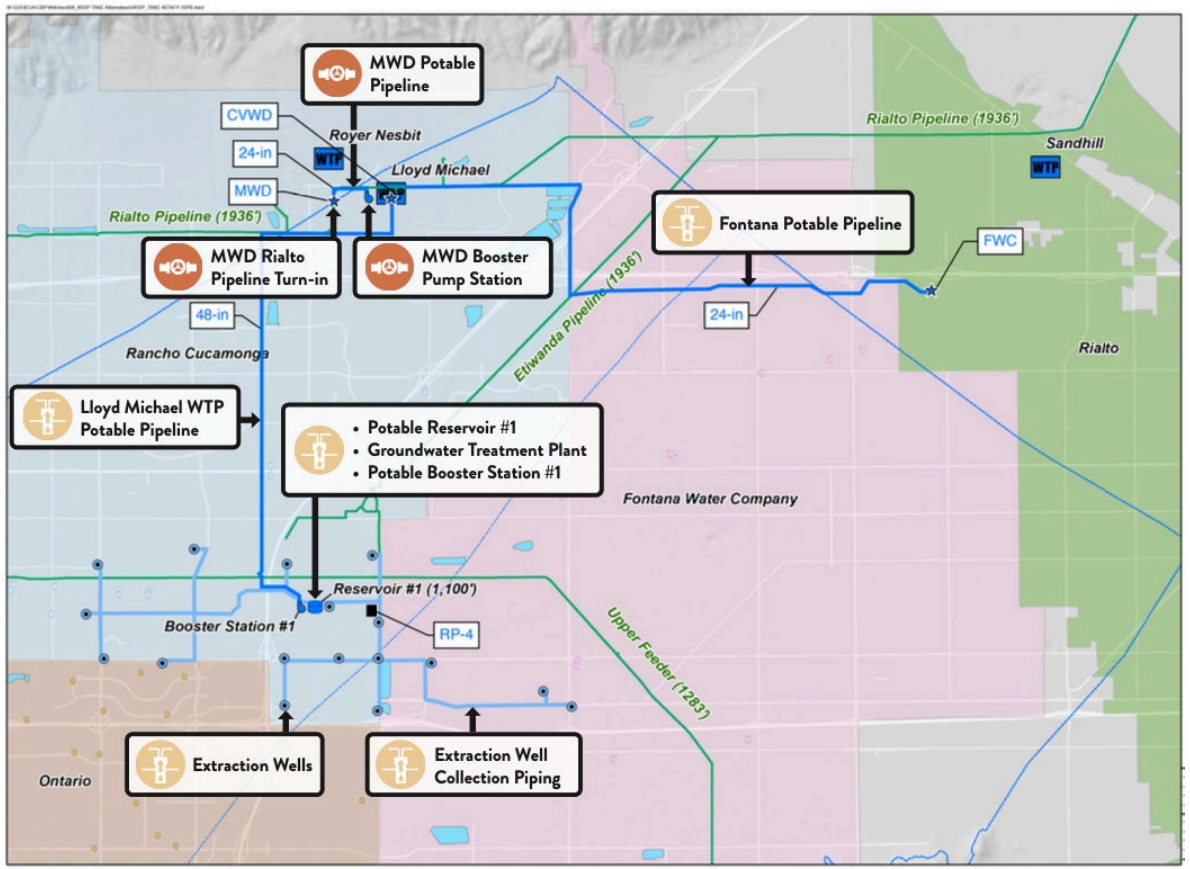
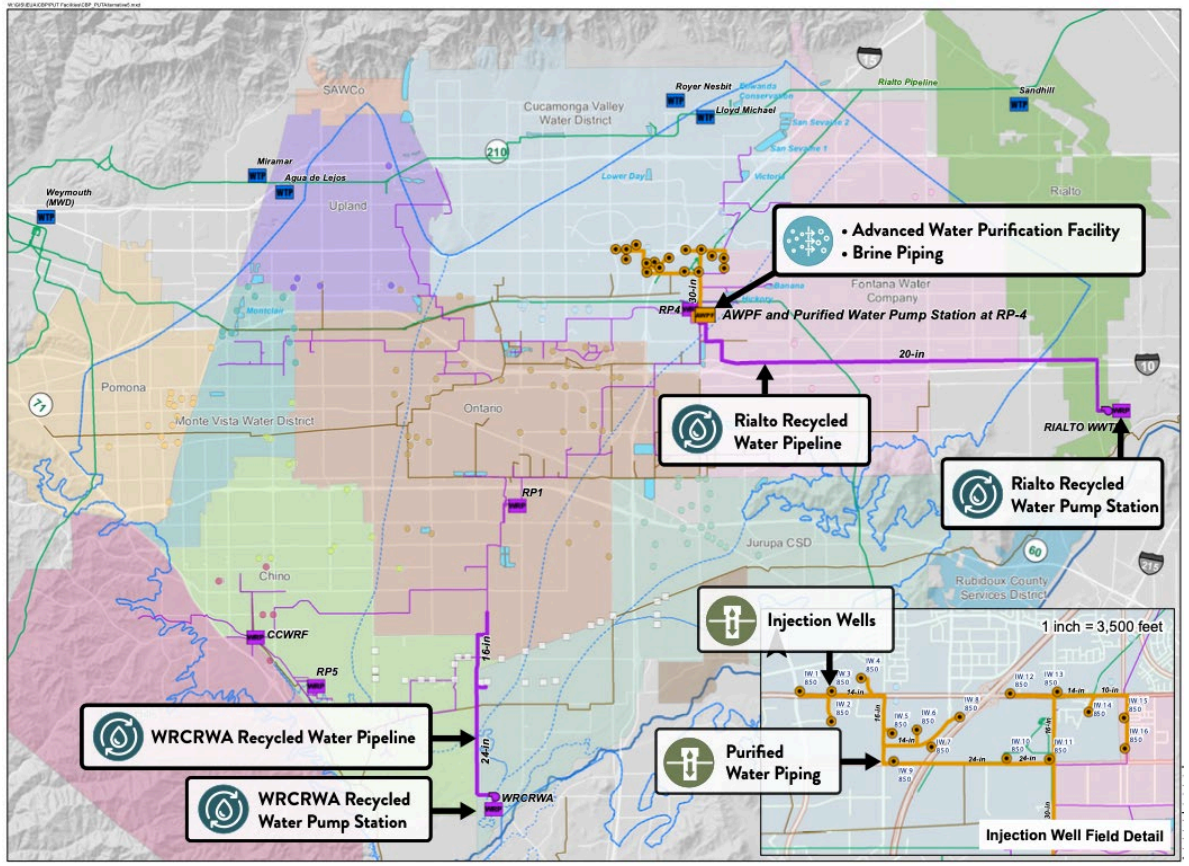
CBP *(all of the PUT & TAKE facilities)*





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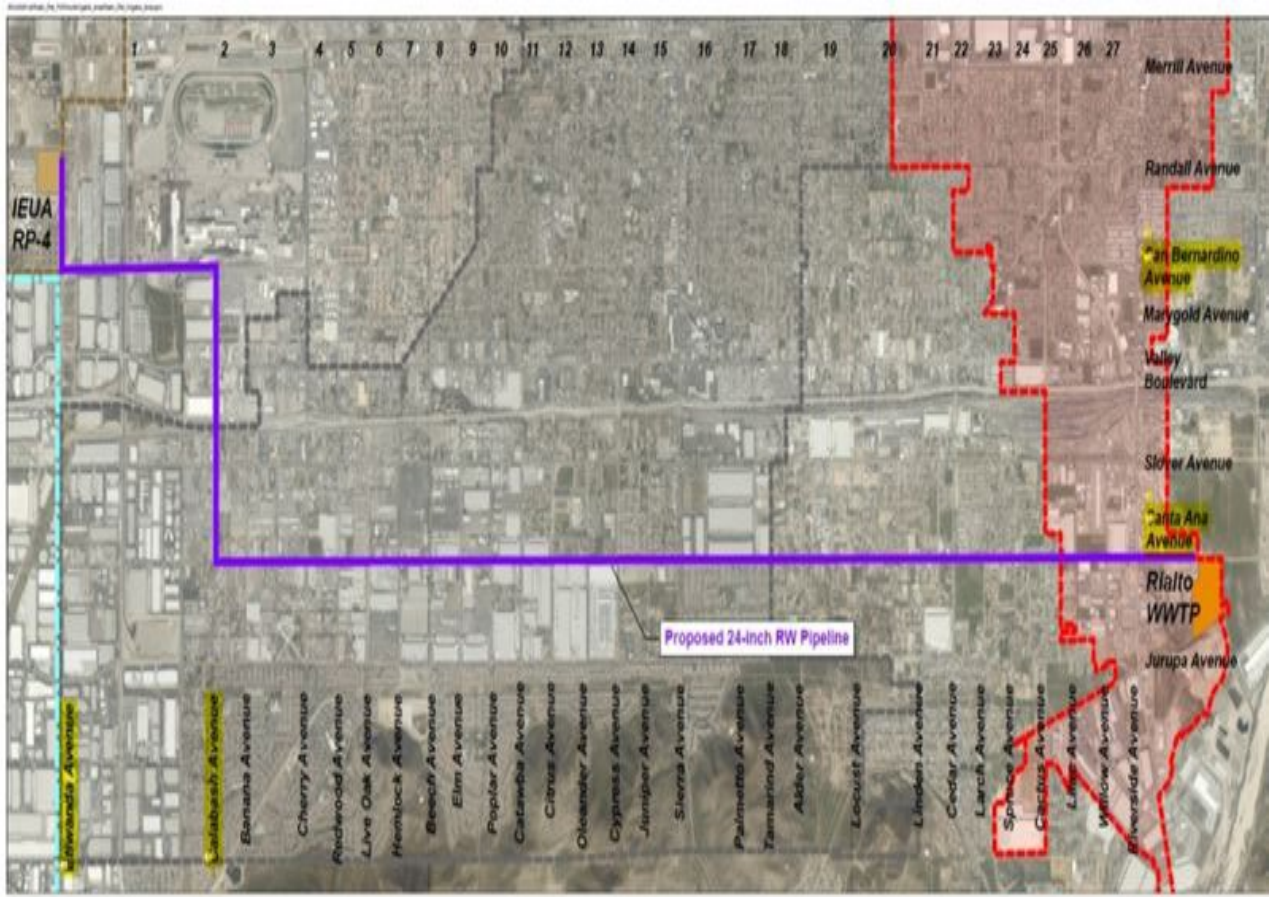
Consultant Program Manager's Areas of Services

- Staff Augmentation
- Owner Engineering: Subject matter experts
- Coordination with a third-party legal team
- Support IEUA with land acquisition
- Support with funding applications, public outreach, and compliance
- Preparation of an asset management plan for all new facilities



The Proposed Rialto Recycled Water Line's Alignment

Inland Empire Utilities Agency
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Solicitation Milestones

Solicitation Step	Target Date
Request for Qualifications (RFQ)	8/17/2022
Industry Presentation	9/07/2022
One-on-One Meeting with IEUA and Site Tour	9(14-15) & 9/(26-29)/2022
Question Deadline	9/30/2022
SOQ Due Date	10/18/2022
Shortlist	12/5/2022
Request for Proposal to Shortlisted Consultants	12/12/2022
Proposals Due Date	1/31/2023
Interviews	3/6/2023 & 3/(27+28)/2023

Evaluation Criteria

- Four consulting teams were pre-qualified/short-listed:
  - —Ardurra and GHD
  - —Parsons and Atkins
  - —Jacobs
  - —Black & Veatch and CDM Smith

Criteria	Points
Technical and Implementation Approach	30
Technical Exercise	10
Labor Rates	20
Interview	40

Based on proposals' evaluation and outcome of the interviews, the Jacobs team is the deemed the most qualified consulting team.

Next Steps

- Negotiate with the most qualified consulting team
- Provide recommendations to IEUA's Board of Directors to award a master service contract with a not-to-exceed amount, to be determined for the first 2 years

INFORMATION ITEM

3C

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

FOG and Wipes Impact Outreach

Andrea Carruthers

Communications Officer

June 1, 2023

Background and Campaign Development

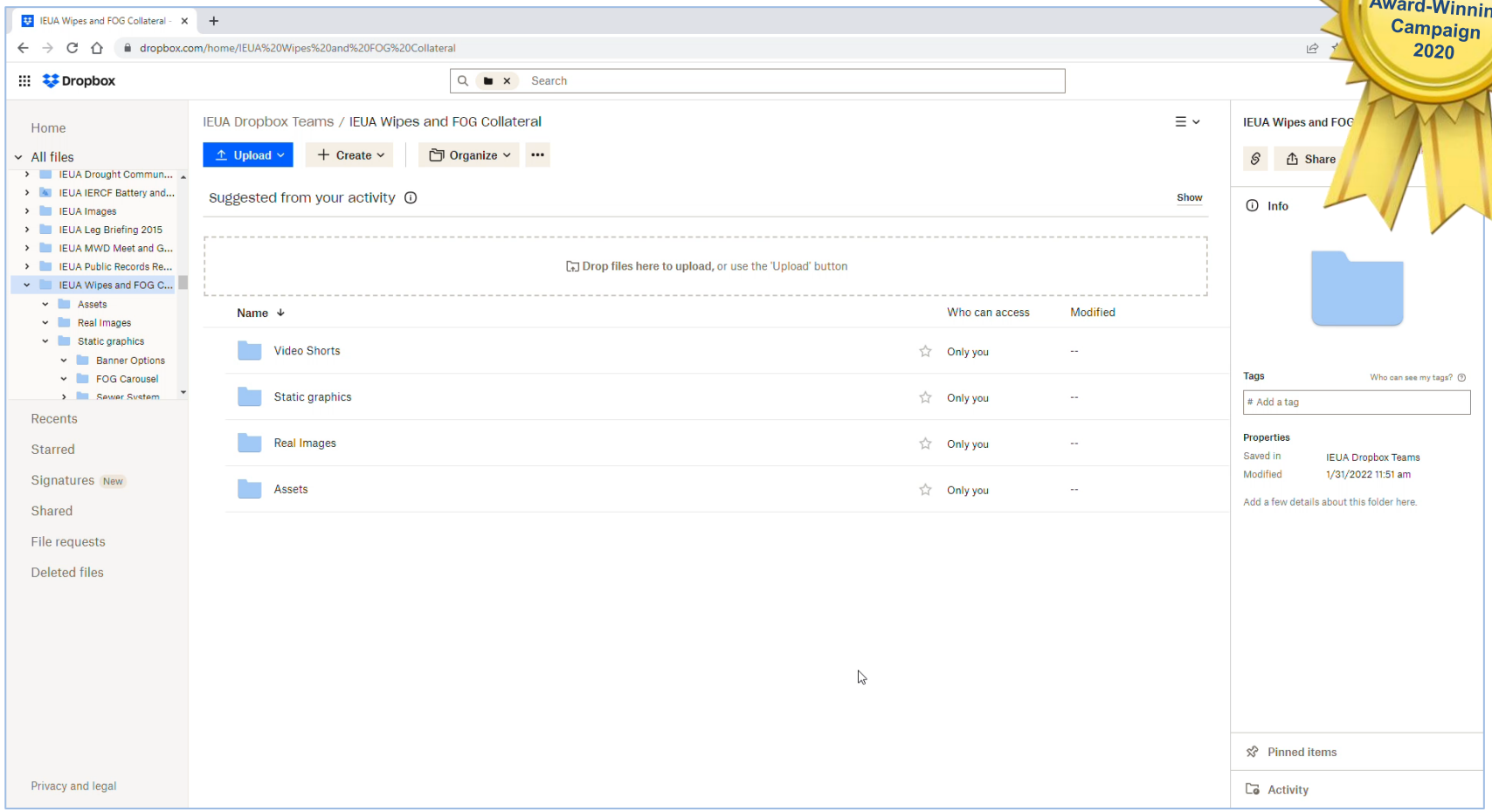
#nowipesinthepipes

- Internal Collaboration
  - Pandemic 2020
    - Clogs and Backups
  - Exposure Education
- Campaign Development
  - Goal: Raise awareness of the proper disposal of wipes to alleviate issue of sewer and treatment plant blockages
  - Target Audience
  - Strategy and Tactics
    - Saturate Service Area w/ Multimedia Approach
    - Social Platforms - Website - Blogs - Targeted Emails - Digital Messaging - Ads
  - Collaboration
    - Toolkit Development
- Legislation
  - AB 818
  - Federal Initiatives

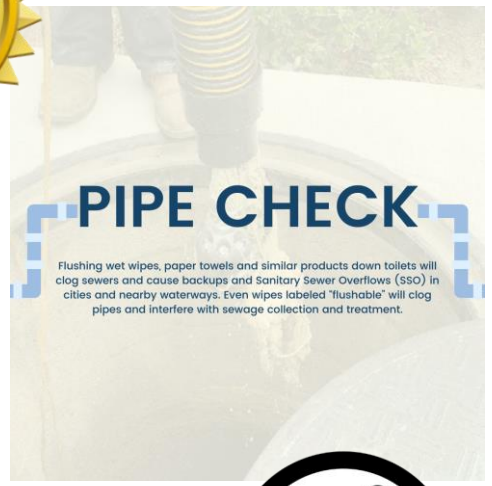
Campaign Toolkit

Wipes + FOG Messaging

FOG = Fats, Oils, and Greases



CWEA SARBS Award-Winning Campaign 2020



Partner Agency Toolkit

Campaign Collateral

Internal Collaboration

May 2021

July 2022

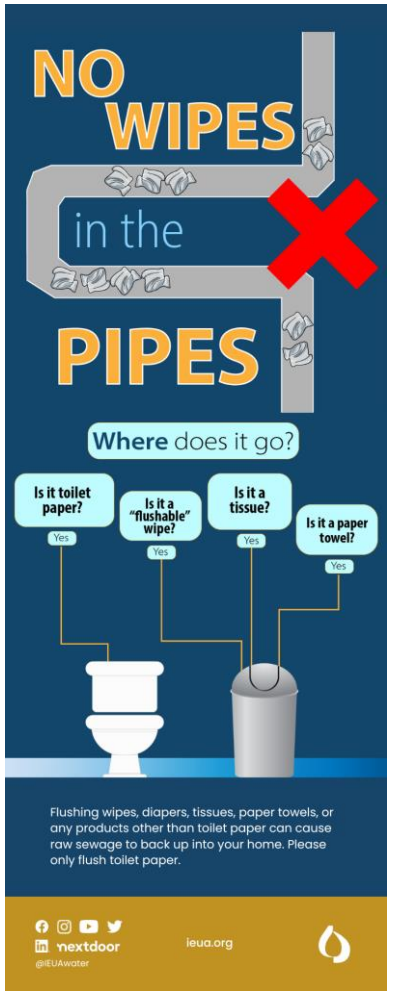
February 2023 (Super Bowl Sunday)

May 2023

Wipes + FOG Outreach

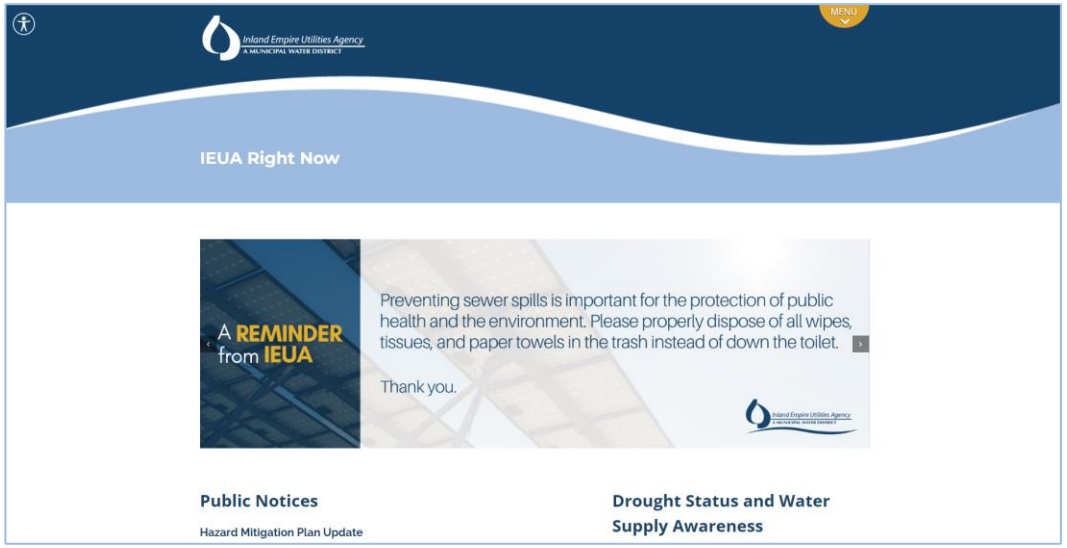
Happy Water Awareness Month! Do you know how to properly dispose of FOG (fats, oils, and greases)? Proper FOG disposal benefits household and city sewer systems. Throughout the month, do your part to help preserve our water supplies & stop by Building A of our Chino Headquarters for a FREE FOG lid! Swipe for giveaway details and info.

May 8, 2023
Nextdoor Water Awareness Month FOG Lid Giveaway
Approx. 3,373 Impressions, 3 Reactions

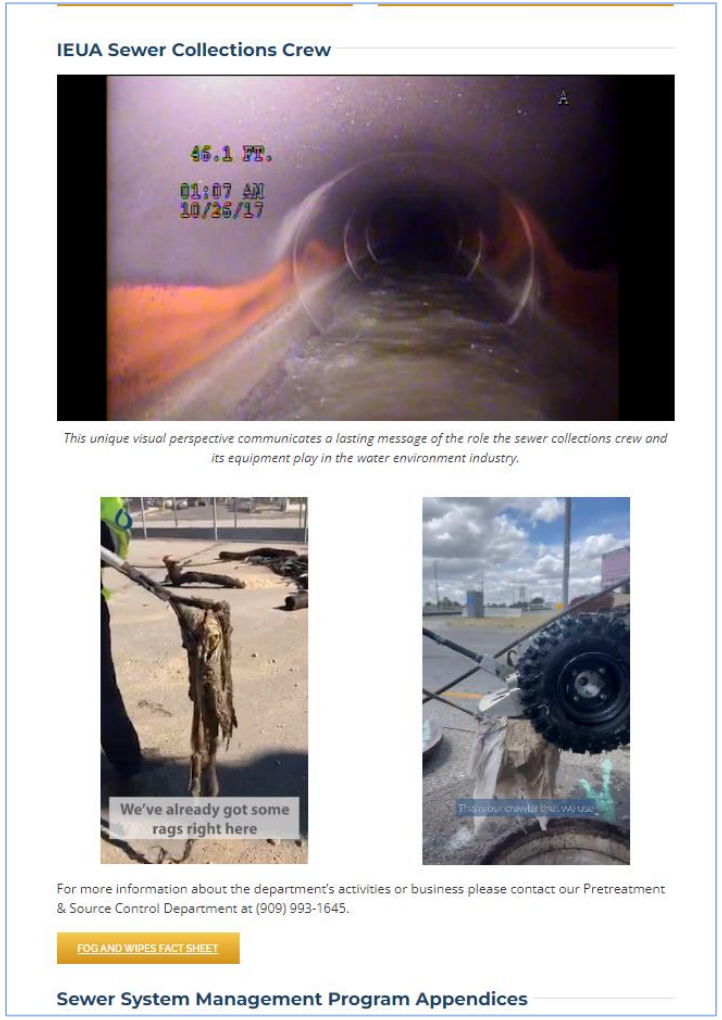


FOG / Wipes Slick

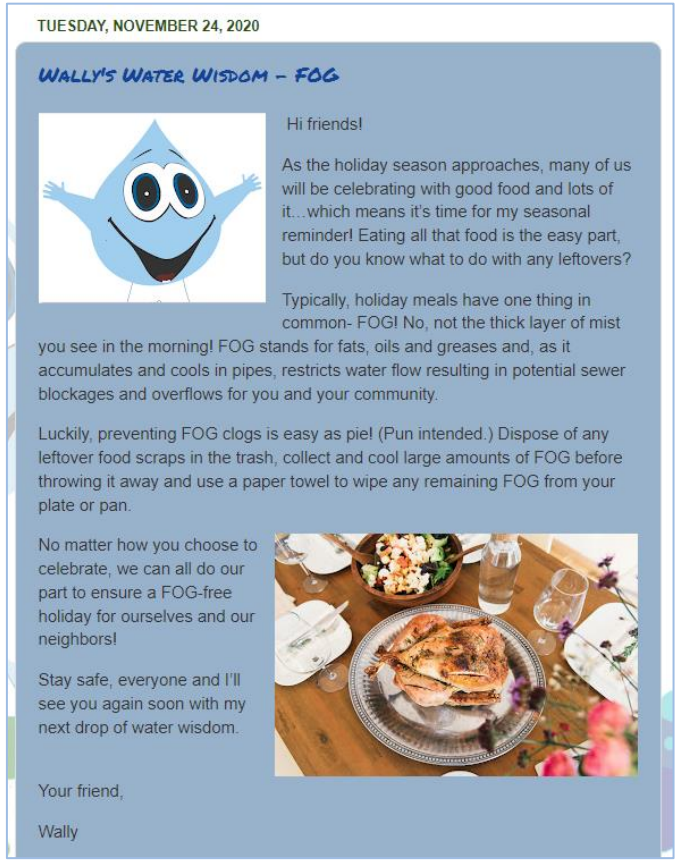
Web Communication



IEUA Right Now

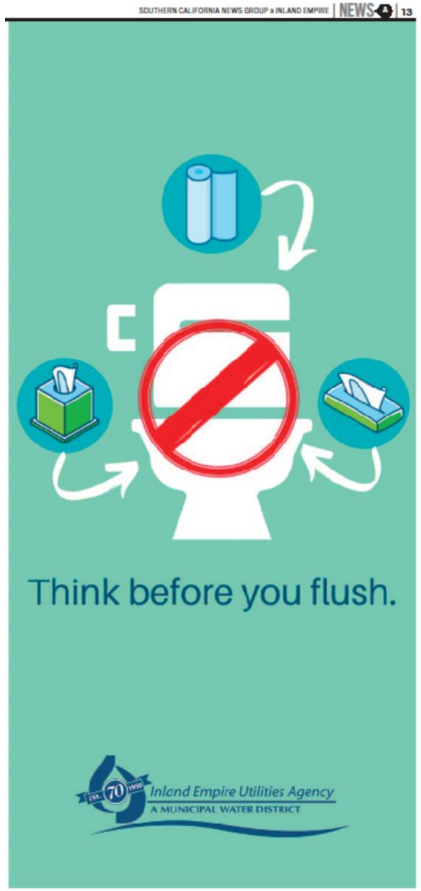


Sewer System Management Program Landing Page



IEUA Water Education Blog

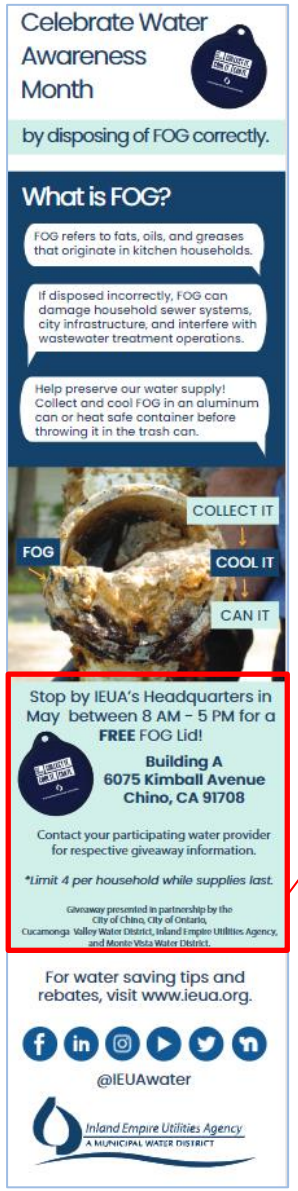
Print Ads



Daily Bulletin

La Opinion

Coordinated Print Ads

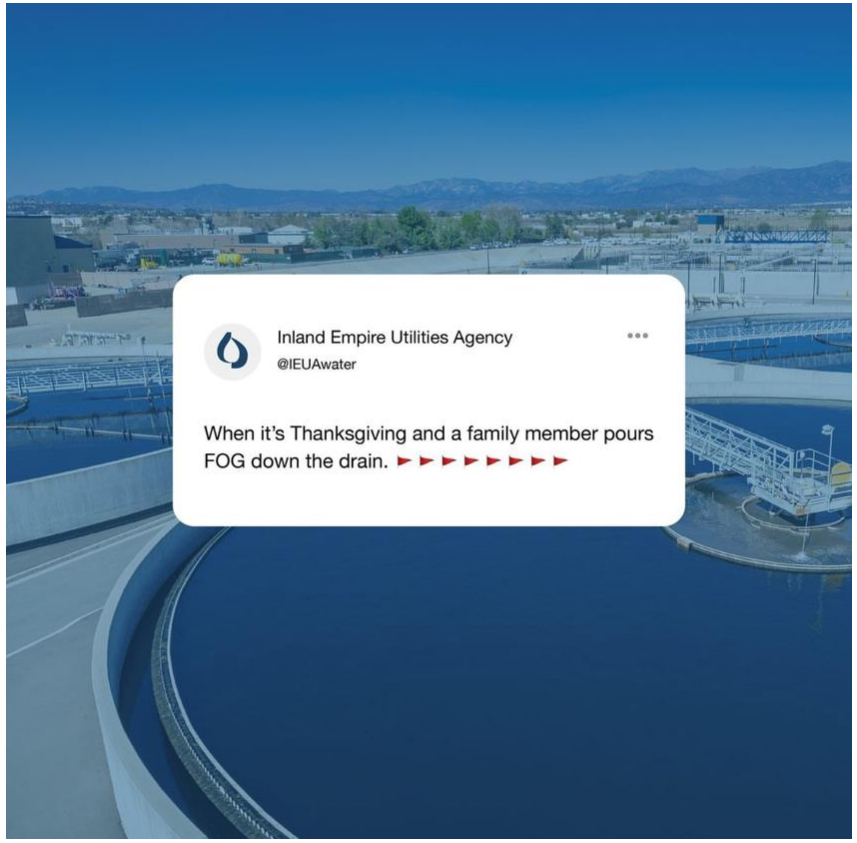


Daily Bulletin Series – Ad 1

Champion Newspaper

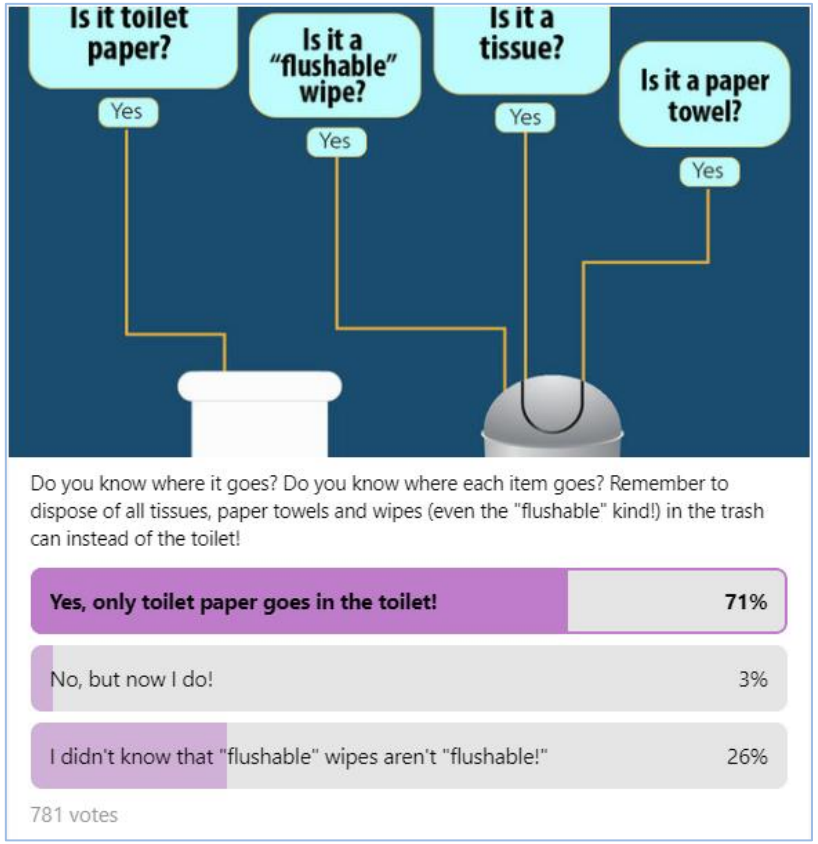
Top Performers

Targeted Email Blast - April 2020 - 253,743 Emails Delivered - Open Rate 26.3%



Instagram FOG Reminder
8.46% Engagement Rate

Facebook Super Bowl Sunday Wipes Reminder
17.31% Engagement Rate



Nextdoor Wipes Poll
29,953 Impressions, 781 Votes,
64 Comments, 34 Reactions

Collaboration Efforts

FOG Collaboration Reel
Approx. 2,000 Impressions - All Platforms

Cucamonga Valley Water District

Monte Vista Water District

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Questions

#sewersmart

RECEIVE AND FILE

4A

Building Activity Report - YTD Fiscal Year 2022/23

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Legend

Service Area
Unincorporated

Residential
<=1.0
1.0 - 10.0
>10.0

Commercial
<=1.0
1.0 - 10.0
>10.0

Industrial
<=1.0
1.0 - 10.0
>10.0

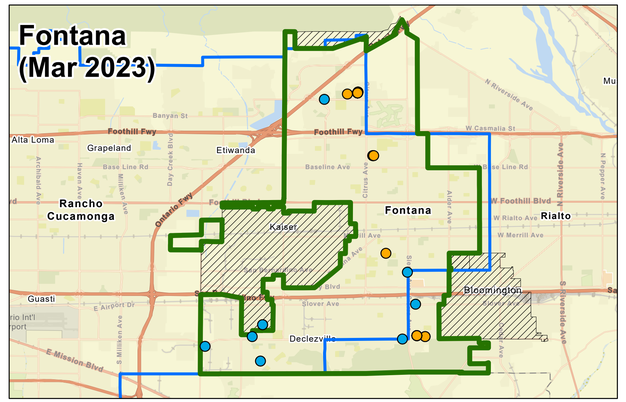
HALF MILE GRID: TOTAL EDU's (YTD)

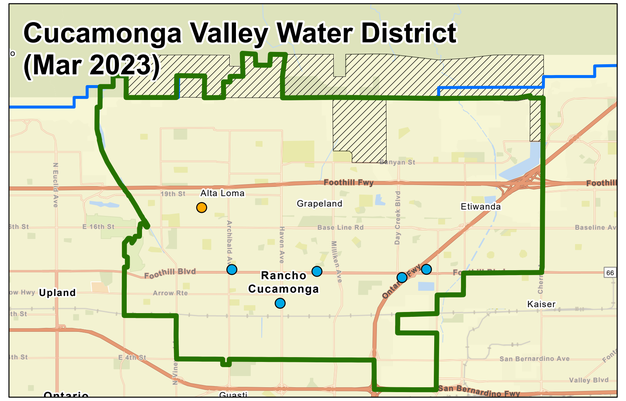
0 0.5 1 15 30 45 75+

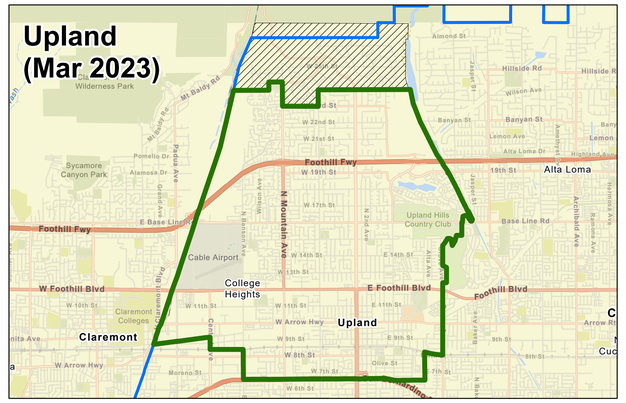
0 2.5 5 10 Miles

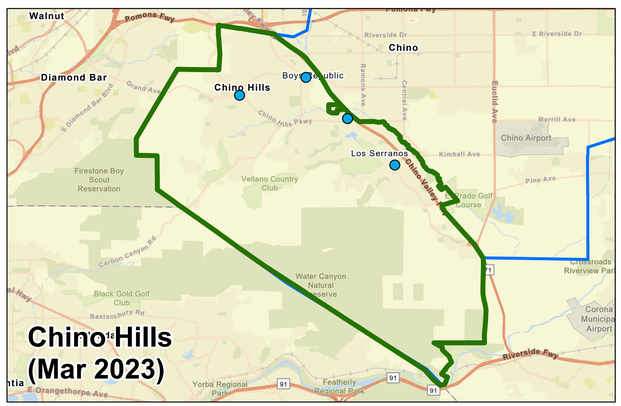
TOTAL EDU BY WASTEWATER CONNECTION TYPE (YTD)

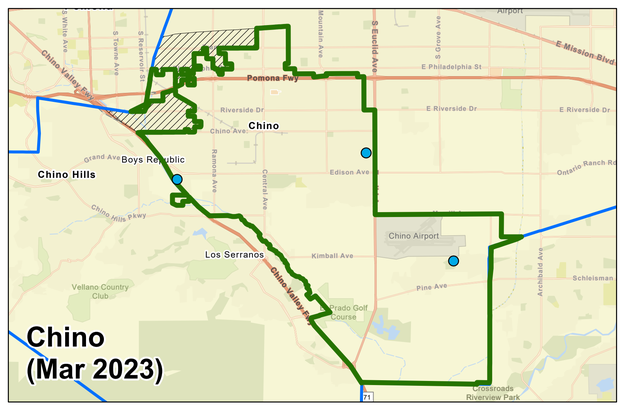
Contracting Agency	YTD Actual				Projected
	Commercial (EDUs)	Industrial (EDUs)	Residential (EDUs)	Total (EDUs)	Total (EDUs)
Chino	39	0	66	105	434
Chino Hills	22	0	2	24	19
CVWD	29	0	24	53	2050
Fontana	70	2	299	371	962
Montclair	19	2	0	21	474
Ontario	83	152	595	831	3780
Upland	17	0	74	91	340
Total	279	157	1060	1496	8059

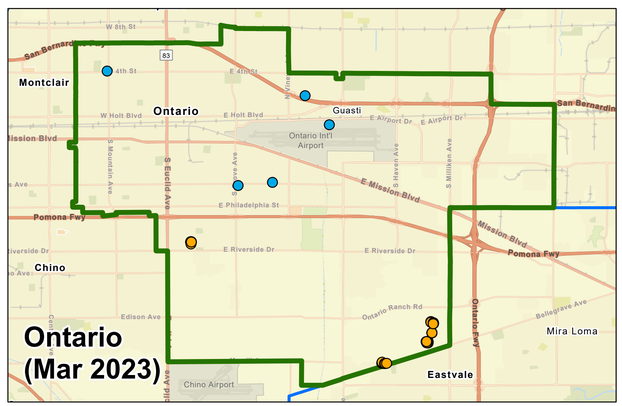


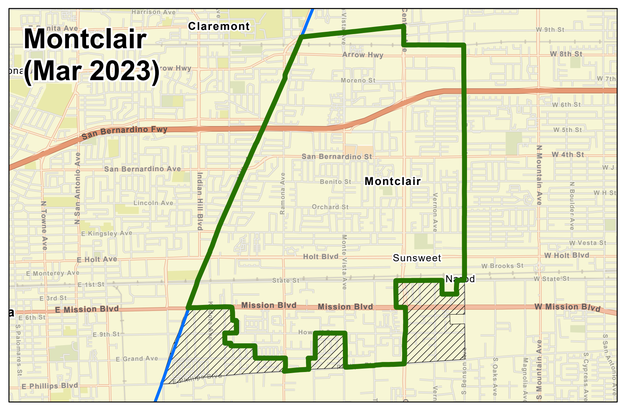








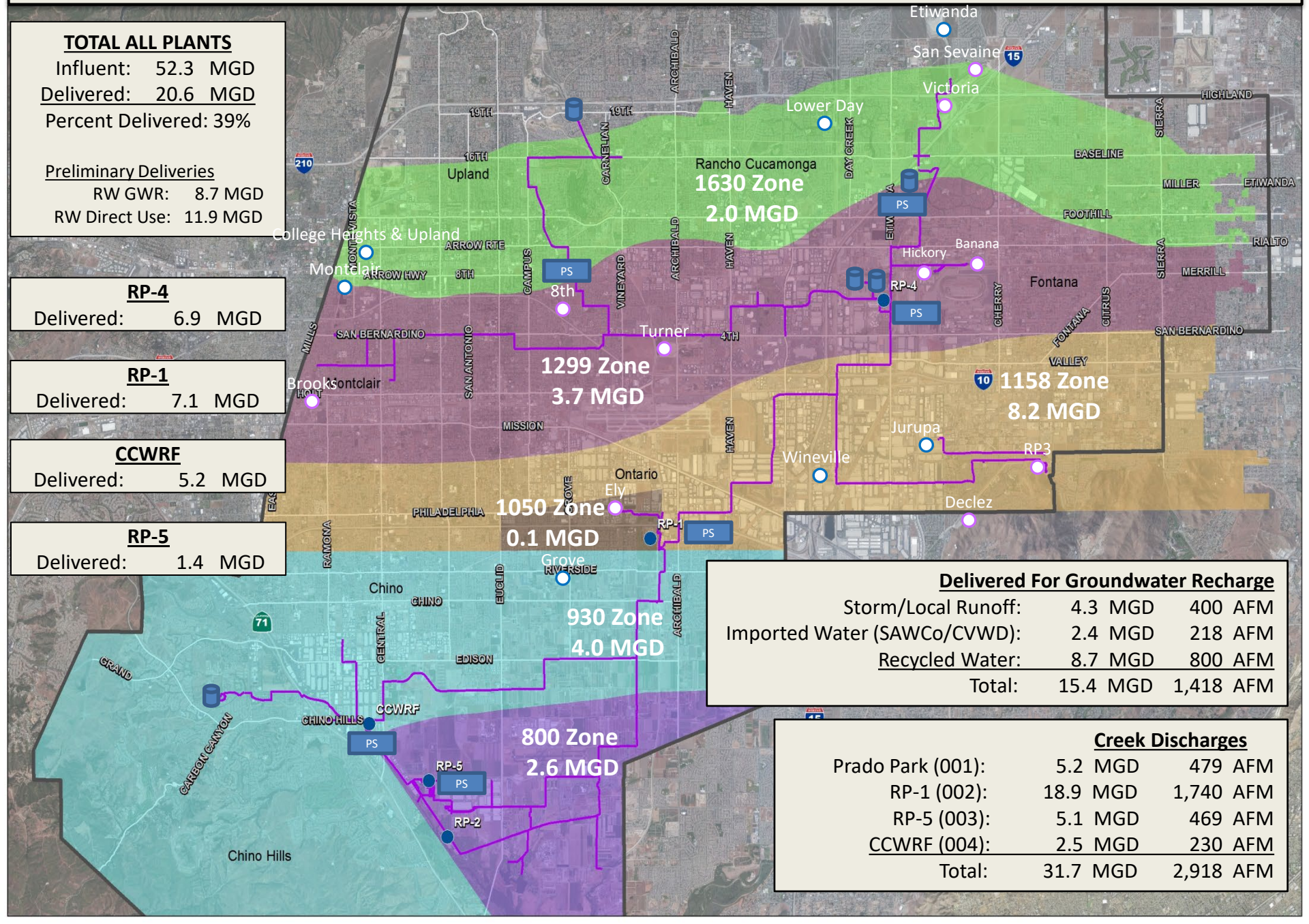




RECEIVE AND FILE

4B

IEUA RECYCLED WATER DISTRIBUTION – APRIL 2023



TOTAL ALL PLANTS

Influent: 52.3 MGD
Delivered: 20.6 MGD
Percent Delivered: 39%

Preliminary Deliveries
RW GWR: 8.7 MGD
RW Direct Use: 11.9 MGD

RP-4
Delivered: 6.9 MGD

RP-1
Delivered: 7.1 MGD

CCWRF
Delivered: 5.2 MGD

RP-5
Delivered: 1.4 MGD

Delivered For Groundwater Recharge

Storm/Local Runoff:	4.3 MGD	400 AFM
Imported Water (SAWCo/CVWD):	2.4 MGD	218 AFM
Recycled Water:	8.7 MGD	800 AFM
Total:	15.4 MGD	1,418 AFM

Creek Discharges

Prado Park (001):	5.2 MGD	479 AFM
RP-1 (002):	18.9 MGD	1,740 AFM
RP-5 (003):	5.1 MGD	469 AFM
CCWRF (004):	2.5 MGD	230 AFM
Total:	31.7 MGD	2,918 AFM

Recycled Water Recharge Deliveries – April 2023 (Acre-Feet)

Basin	4/1-4/8	4/9-4/15	4/16-4/22	4/23-4/30	Month Actual	FY To Date Actual	Deliveries are draft until reported as final and do not included evaporative losses.
Ely	0.0	0.0	0.0	0.0	0.0	137	
Banana	0.0	0.0	0.0	0.0	0.0	598	
Hickory	0.0	0.0	0.0	0.0	0.0	121	
Turner 1& 2	0.0	0.0	0.0	0.0	0.0	149	
Turner 3 & 4	0.0	0.0	0.0	0.0	0.0		
8th Street	0.0	2.4	32.1	50.3	84.8	877	
Brooks	0.0	0.0	22.3	33.8	56.1	735	
RP3	98.5	94.9	86.9	212.0	492.3	6416	
Declez	0.0	0.0	0.0	0.0	0.0	31	
Victoria	4.7	4.1	32.8	74.2	115.8	622	
San Sevaine	13.6	35.6	1.8	0.0	51.0	2205	
Total	116.8	137.0	175.9	370.3	800.0	11,891	14,202 AF previous FY to day actual