AGENDA
BOARD OF DIRECTORS WORKSHOP/MEETING OF THE INLAND EMPIRE UTILITIES AGENCY*

WEDNESDAY, NOVEMBER 4, 2026
10:00 AM

AGENCY HEADQUARTERS
BOARD ROOM
6075 KIMBALL AVENUE, BUILDING A
CHINO, CALIFORNIA 91708

***A MUNICIPAL WATER DISTRICT**

VIEW THE MEETING LIVE ONLINE AT IEUA.ORG

TELEPHONE ACCESS: (415) 856-9169 / Conf Code: 202 761 127#

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 Director of Board and Administrative Services Denise Garzaro at recordingsecretary@ieua.org prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Board of Directors.

CALL TO ORDER

ROLL CALL

FLAG SALUTE

PUBLIC COMMENTS

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to email the Recording Secretary prior to the scheduled meeting time or address the Board during the public comments section of the meeting. Comments will be limited to three minutes per speaker.

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.

1. WORKSHOP ITEMS

A. **SEPTIC TO SEWER FEASIBILITY STUDY 2025 UPDATE**

B. **CHINO BASIN PROGRAM UPDATE**

2. ACTION ITEMS

A. **APPROVE ADDENDUM NO. 2 TO RECIRCULATED FINAL PROGRAM ENVIRONMENTAL IMPACT REPORT FOR CHINO BASIN PROGRAM**

Staff recommends that the Board:

1. Approve Addendum No. 2 to the Recirculated Final Program Environmental Impact Report for the Chino Basin Program; and
2. Authorize the filing of the Notice of Determination with the County Clerk and the State Clearinghouse, Office of Land Use and Climate Innovation.

B. **APPROVE MASTER SERVICES CONTRACT AMENDMENT FOR CONSULTING PROGRAM MANAGEMENT AND OWNER ENGINEERING SERVICES**

Staff recommends that the Board:

1. Approve a master services contract amendment with Jacobs Engineering Group, Inc. for the consulting program management and owner engineering services for the Early Engineering for Recycled Water Facilities Project, No. EN25022, Early Engineering for Advanced Water Purification Facilities Project, No. EN25070, Purified Water Conveyance Project, No. EN28004, Advanced Water Purification Facility Project, No. EN28007, Replenishing Facilities Project, No. WR23001, and Recycled Water Interconnection to the City of Rialto Project, No. WR23002, for a not-to-exceed amount of $10,987,137, increasing the contract amount from $15,565,731 to $26,552,868; and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

3. GENERAL MANAGER'S COMMENTS

4. BOARD OF DIRECTORS' REQUESTED FUTURE AGENDA ITEMS

5. BOARD OF DIRECTORS' COMMENTS

6. CLOSED SESSION

A. **PURSUANT TO GOVERNMENT CODE SECTION 54956.9(D)(2) - CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION**
Two Cases

B. **PURSUANT TO GOVERNMENT CODE SECTIONS 54957 AND 54957.6 - PUBLIC EMPLOYEE PERFORMANCE EVALUATION**
Director of Board and Administrative Services

ADJOURN

Declaration of Posting

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

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

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

1A

Date: November 4, 2026

To: The Honorable Board of Directors **From:** Kevin Alexander, General Manager

Committee:

Staff Contact: Elaine Jeng, Deputy General Manager

Subject: Septic to Sewer Feasibility Study 2025 Update

Executive Summary:

In 2025, IEUA awarded Woodard & Curran a contract to update the 2018 Septic to Sewer Feasibility Study. In coordination with the Sewage Collection Agencies (SCAs), the update incorporates revised septic parcel data, conversion cost estimates, and guiding criteria to support project prioritization and funding efforts.

The updated study identified 18,581 septic parcels, approximately 15 percent fewer than the 2018 comparison due to improved data quality and septic-to-sewer conversions. Estimated regional conversion costs total $1.202 billion in 2025 dollars, approximately 1 percent above the prior estimate.

The final report incorporating comments from the SCAs was completed in June 2026 and will be uploaded to IEUA's website. The study provides the SCAs with a resource for their capital improvement planning and funding applications. IEUA's role in the project is complete. IEUA will provide support to the SCAs identifying potential grant opportunities should there be interest.

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

Regional Sewerage *Technical Committee (Y/N):* Y *Technical Meeting Date:* 10/29/2026

Policy Committee (Y/N):

Aligns with Strategic Goal:

Goal 2. Public and Environmental Health: Operate in a safe and responsible manner to support the health and environmental sustainability of our communities.

Environmental Determination:

Not Applicable

Attachments:

Attachment 1 - Powerpoint

Item No: 1622

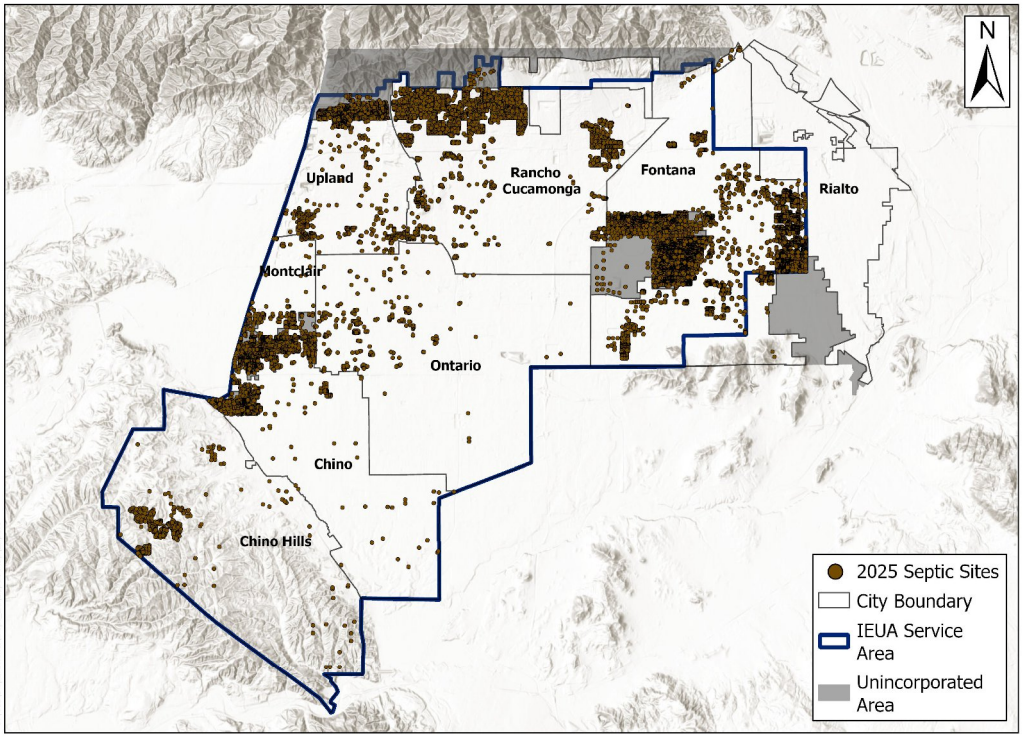
Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Septic to Sewer Feasibility Study 2025 Update

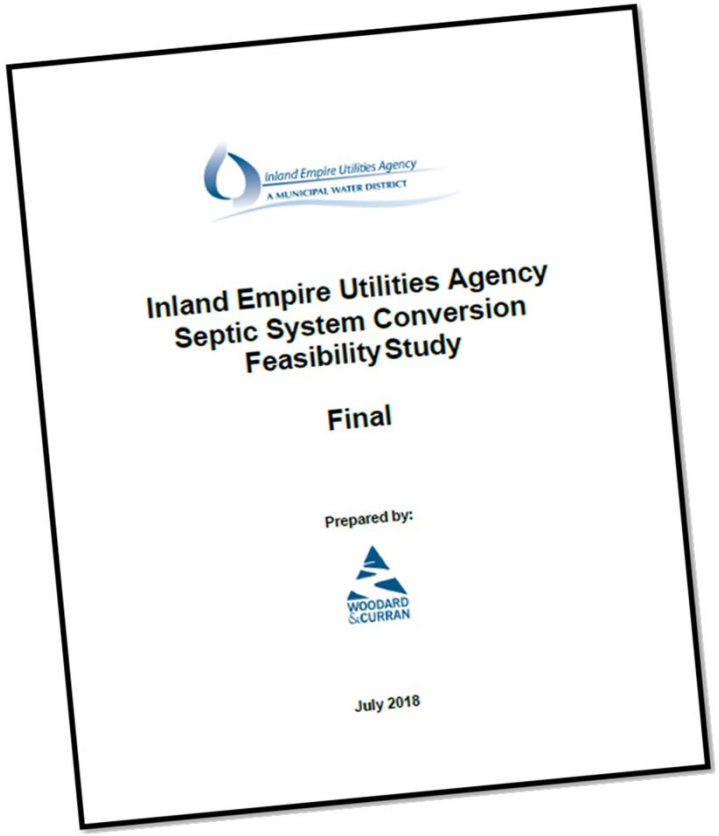
Ruben Valdez
Principal Resources Specialist

November 2026

2025 Study Septic Sewer Locations



2 Previous Study Completed in 2018



2018 Septic to Sewer Feasibility Study

- Identified potential septic properties
- Developed criteria and prioritized properties
- Estimated costs
- Reviewed funding opportunities

3 2025 Update Builds on the 2018 Efforts

Request

- Requested updated septic data and Sewer Master Plans from Sewage Collection Agencies (SCA)

Compare

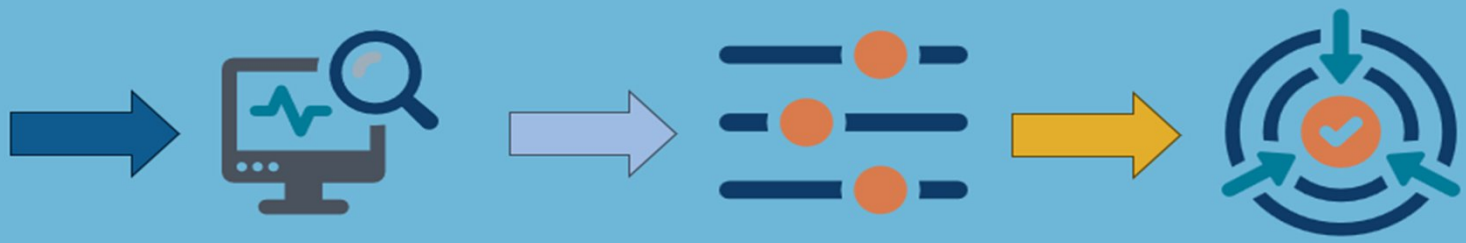
- Compared 2025 and 2018 study data
- Resolved discrepancies and duplicates
- Flagged locations for review
- Compared 2025 and 2018 conversion costs

Review

- Verified conversions using active laterals
- Reviewed Sewer Master plans
- Incorporated SCA location feedback

Finalize

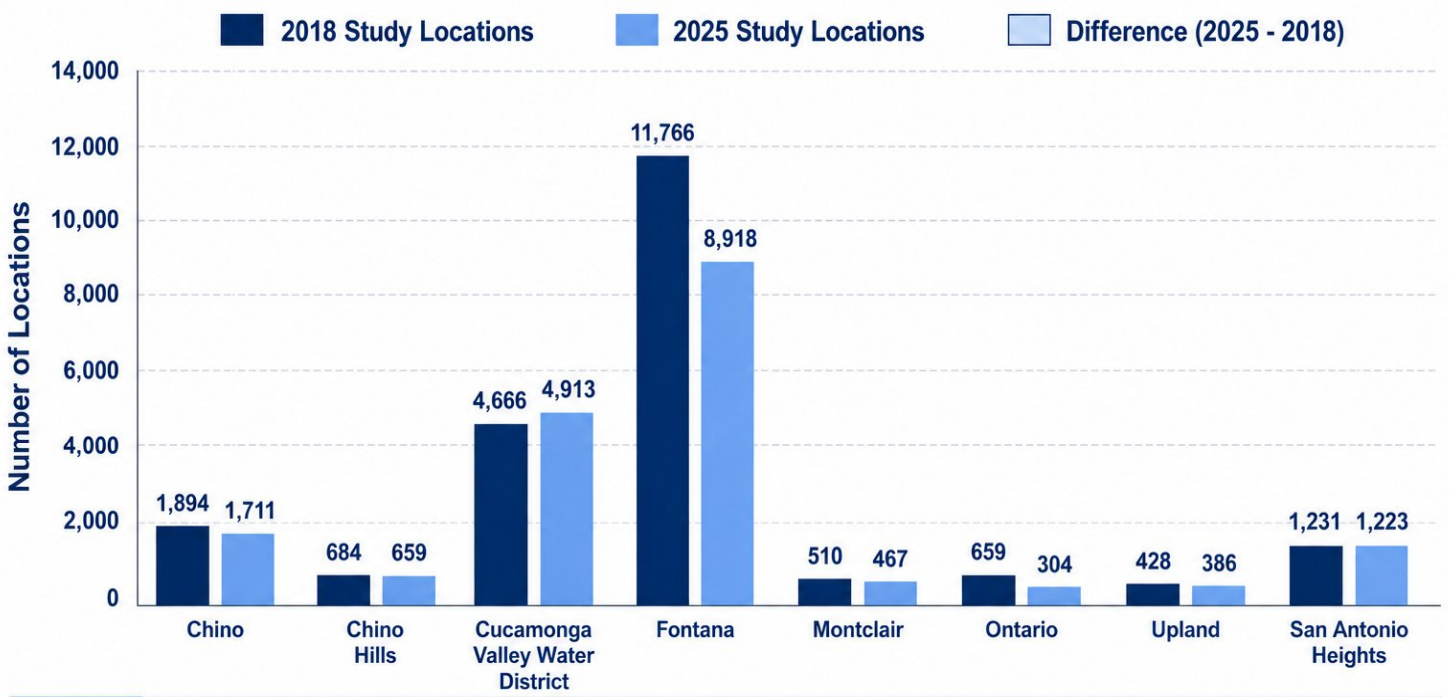
- Met with SCAs and addressed comments
- Updated data and septic location maps



4 Regional Reduction in Septic Parcels Since 2018

The approximately 15% decrease was due to:

- Improved data quality
- Septic conversions



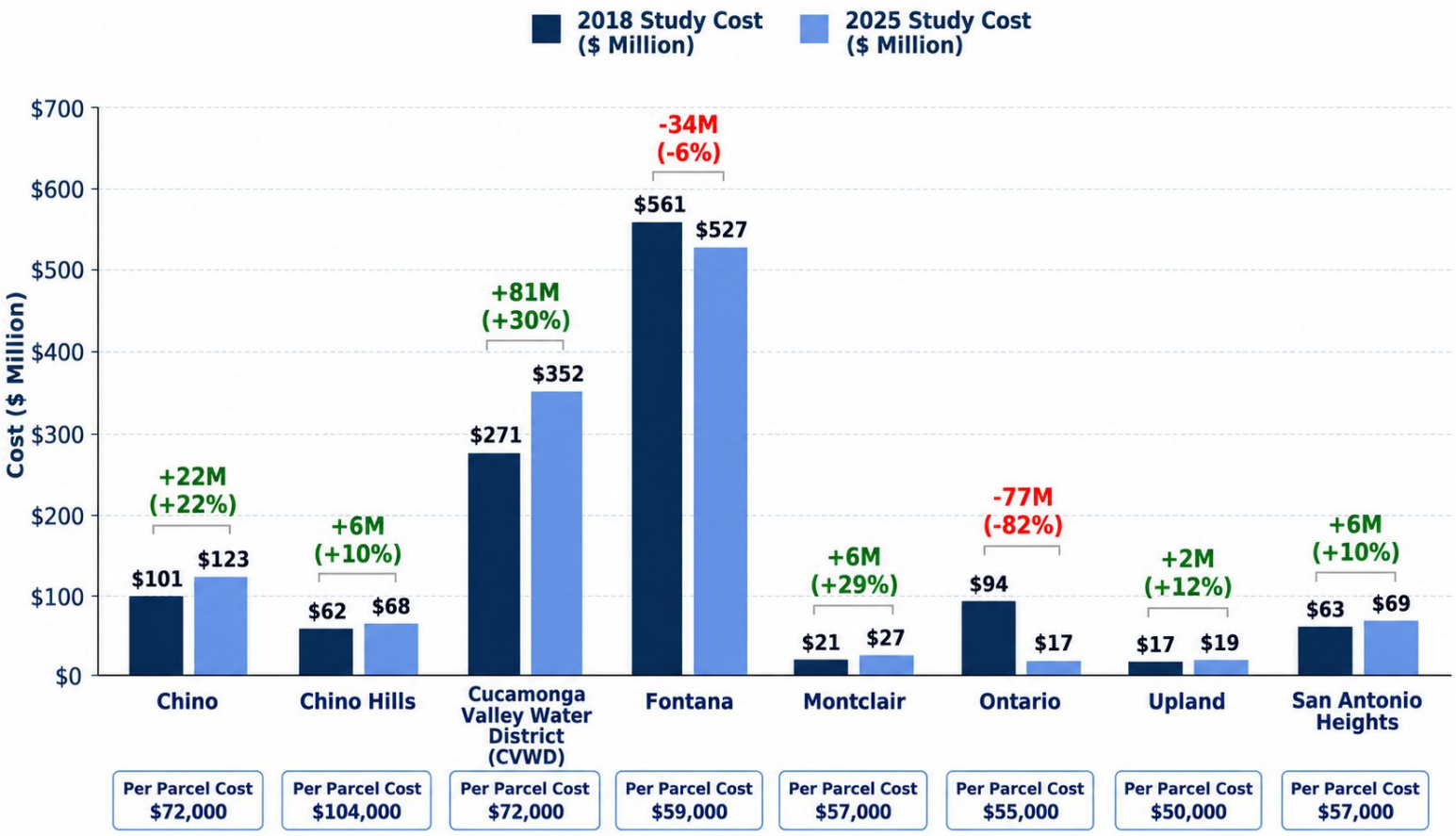
	Chino	Chino Hills	Cucamonga Valley Water District	Fontana	Montclair	Ontario	Upland	San Antonio Heights
Difference (2025 - 2018)	-183	-25	247	-2,848	-43	-355	-42	-8

TOTAL	21,838 2018 Study Locations	18,581 2025 Study Locations	-3,257 Difference (2025 - 2018)

5 Capital Cost Conversion Estimates

KEY TAKEAWAYS

- Overall program cost increased by only 1%
- 2025 Total: $1.202B (+$12M)
- Largest increases: CVWD (+$81M), Chino (+$22M)
- Largest decreases: Ontario (−$77M), Fontana (−$34M)

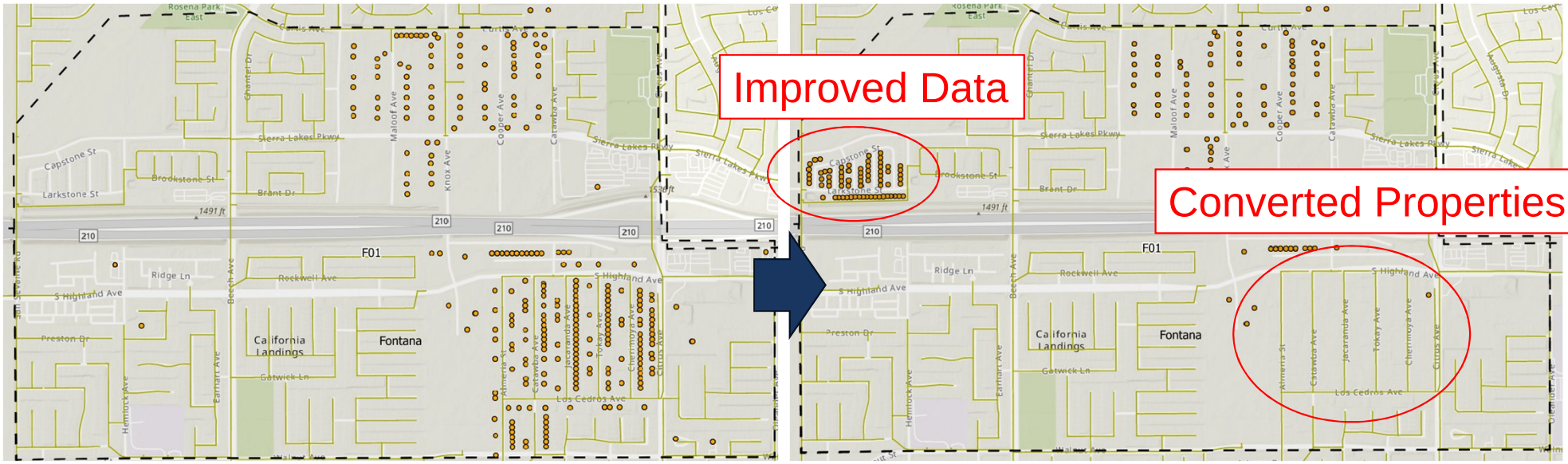


- Costs include sewer system improvements, connection fees, allowances, and IEUA sewer impact fees
- Values are shown in 2025 dollars

6 Fontana Represents a Good Example of Reduction in Parcels

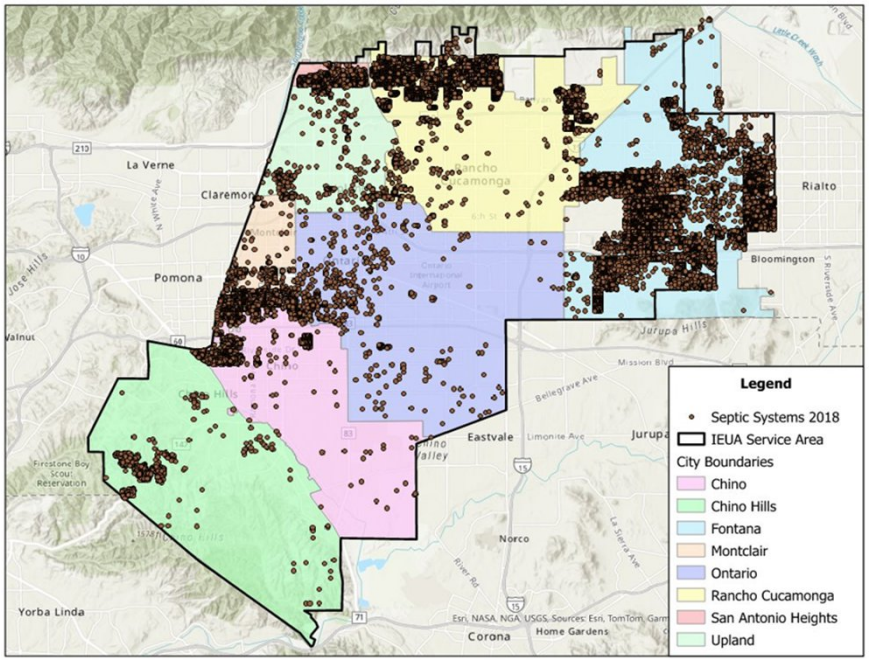
2018

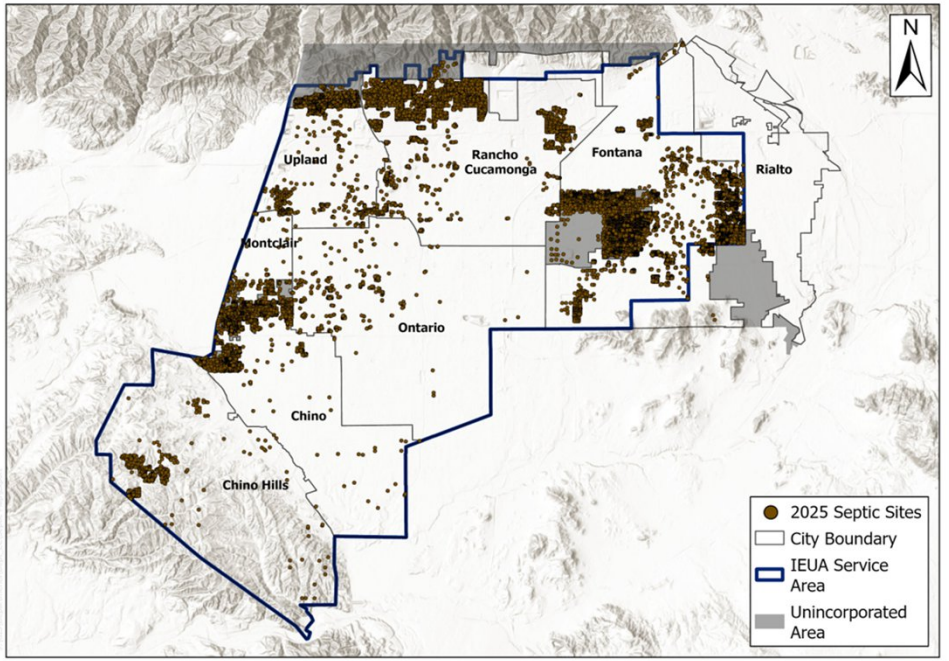
2025



156 Properties on Septic Converted

7 Side by Side Comparison of Parcels with Septic Systems





2018 → **2025**

8 Sewage Collection Agency Feedback and Comments

- Planning Assumptions: Clarify modeling, flow projections, and cost methods
- Project Optimization: Minimize lift stations, maximize gravity sewer systems, and coordinate with planned infrastructure improvements
- Funding and Implementation: Identify funding, financing strategies, and define IEUA's role in future implementation
- Prioritization: Develop a flexible framework based on each Sewer Collection Agency needs
- Report Clarifications: Clarify groundwater protection, coordination, contingencies, and connection fees

9 Guiding Criteria to Assist the SCAs in Prioritization of Converting Septic Systems



10 Available Funding for Septic to Sewer Projects

Clean Water State Revolving Fund (CWSRF) is the primary funding source for planning and construction, including Small Community Wastewater grant/principal forgiveness for eligible disadvantaged communities

Other Funding Sources:

Water Infrastructure Finance and Innovation Act (WIFIA) supports large regional projects with long-term, low-cost financing

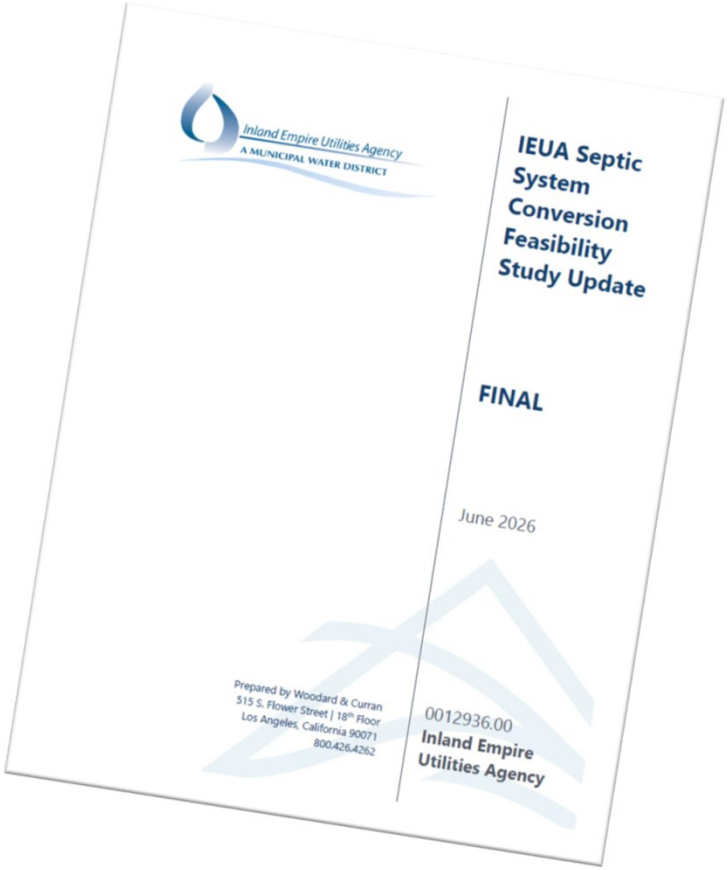
California I-Bank Infrastructure State Revolving Fund (ISRF) offers flexible financing to fill funding gaps and maintain project schedules

Fontana applied for $30M through the CWSRF principal loan forgiveness program in October 2026

The updated study was attached to support their funding application

11 Project Updates and Next Steps

- Presented preliminary report to the Regional Water Quality Control Board at the Chino Basin Day Workshop
- Final report available for SCAs for:
  - Decision making
  - Capital improvement planning
  - Grant applications
- SCAs to identify potential conversion projects and refine:
  - Project needs
  - Hydraulic analysis
  - Cost estimates
- IEUA to track and share new funding opportunities



Questions?



@IEUAwater

ieua.org

CBP

CHINO BASIN PROGRAM

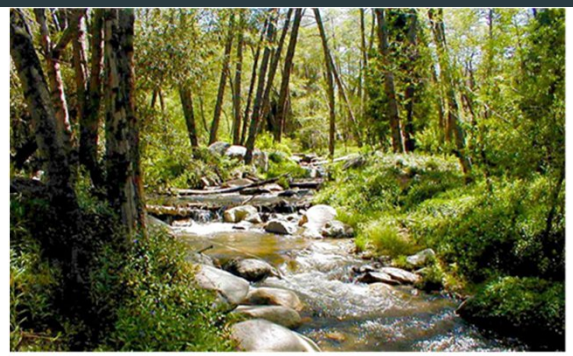


Chino Basin Program Update

Elizabeth Hurst, Chino Basin Program Manager

November 2026

Chino Basin Program Update Overview

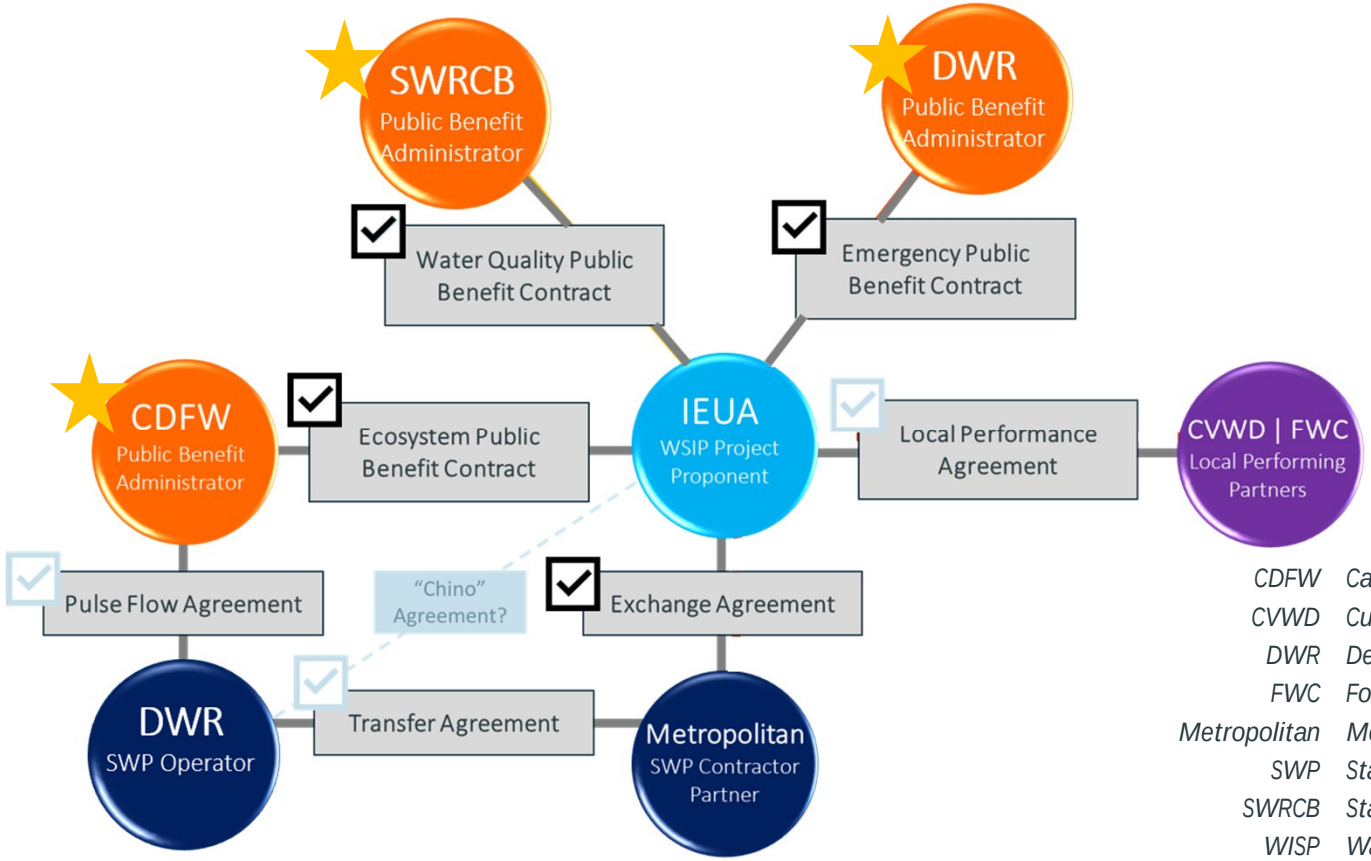






- Milestones and Events
- Grants, Funding, Rates Coordination
- Environmental Permitting Status
- Project Implementation and Engineering Update

Presentation of Public Benefit Contracts by State Agencies

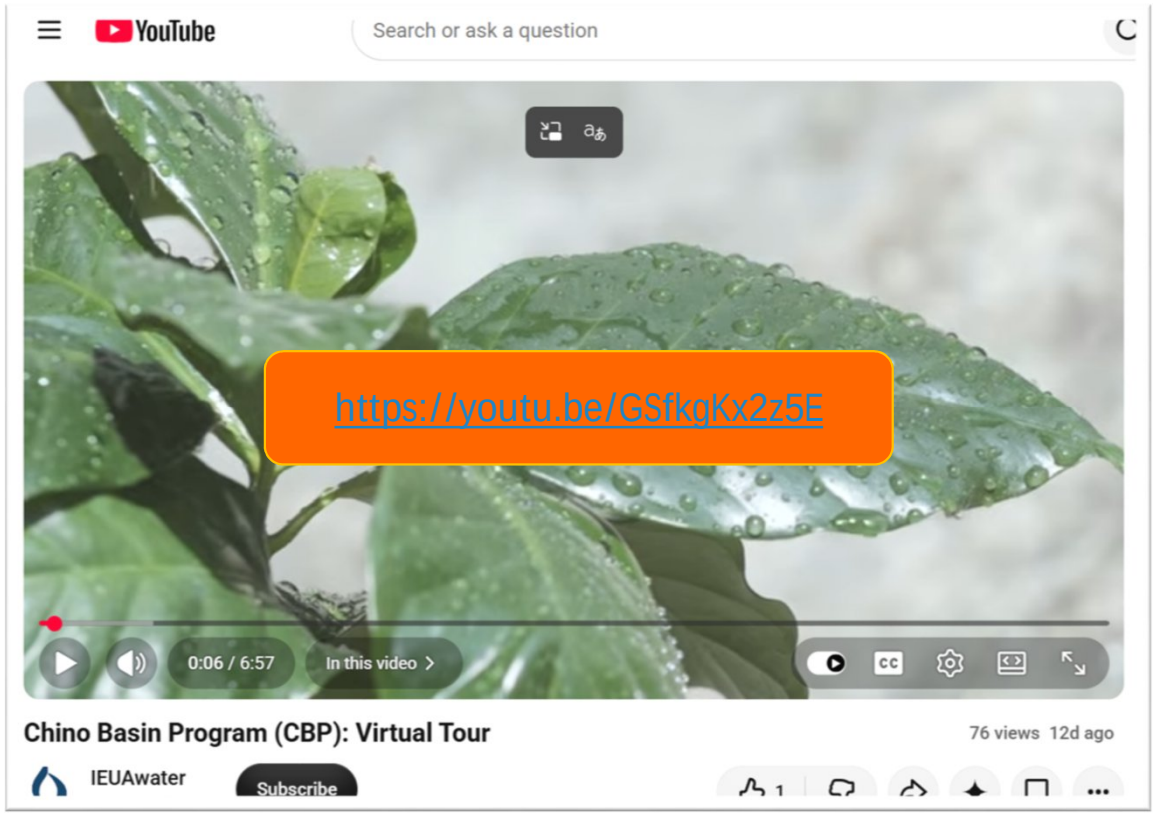




CDFW	*California Department of Fish and Wildlife*
CVWD	*Cucamonga Valley Water District*
DWR	*Department of Water Resources*
FWC	*Fontana Water Company*
Metropolitan	*Metropolitan Water District of Southern California*
SWP	*State Water Project*
SWRCB	*State Water Resources Control Board*
WISP	*Water Storage Investment Program*

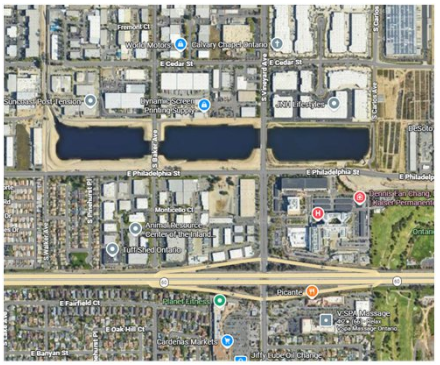
3

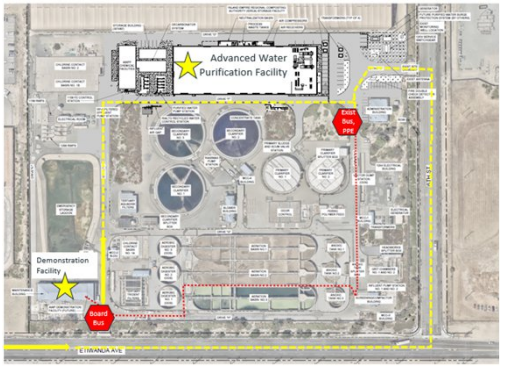
Chino Basin Program Virtual Tour

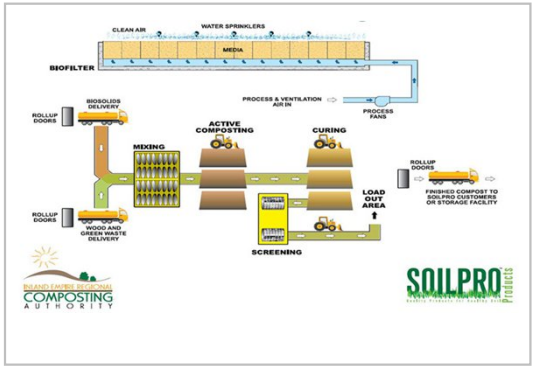


State Agency Site Visit and Tour

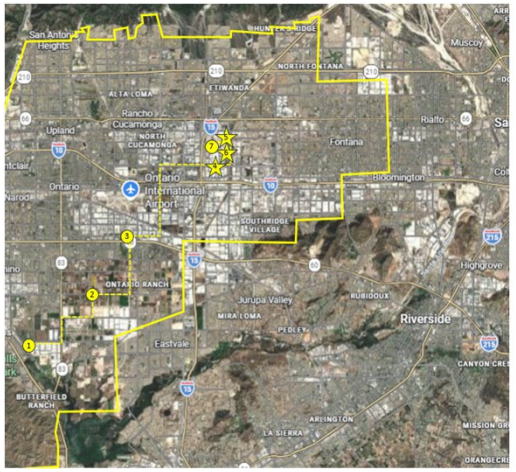












Fall 2026 IEUA Chino Basin Program Tour Map

1. IEUA Head Quarters
2. Transitioning land use: from dairy/agriculture to commercial/residential
3. Ely groundwater recharge basins
4. CBP Site: groundwater production well
5. CBP Site: aquifer replenishing injection well
6. CBP Site: Advanced Water Purification Facility and Pure Water Demonstration Site
7. Inland Empire Regional Composting Facility

5

CBP Construction and Implementation Milestones

- ☑ Complete Treatment and Storage Facilities PDR Work
  - AWPF (2023)
  - City of Rialto RW Interconnection (2024)
  - Replenishing Wells (2023)
  - Permitting and Regulatory Strategy (2023)
  - Updated cost estimates
- ☑ Complete CBP CEQA Certification (2022)
- ☑ Award Program Manager/Owner's Engineer Contract (2023)
- ☑ Exploratory Boreholes (2024)
- ☑ Execute Rialto RW Purchase Agreement (2024)
- ☑ Execute IEUA-MWD CBP Agreement (2024)
- ☑ Award Progressi… Contract for AW… RW (Summer 2025)
- ☑ Carriage/Efficier… O&M resolution…
  - DWR | USBR | IE…
- ☑ Complete Extraction Facilities PDR Work (Spring 2026)
- ☑ Wastewater Change of Use Permit submittal (Spring 2026)
- ☑ CBP PEIR Re-Certification (Jul 2026)
- ☑ Staff Draft State Public Benefit Contracts for WSIP Funds *(Sep 2026)*
  - ✓ CDFW | ✓ DWR | ✓ SWRCB

Funding Increase
+ $103.7 M
$372.8 M new total

- ☑ CWC Supplemental Funding Request *(Oct 21, 2026)*
- ☐ Final Local Performance Agreements *(2027)*
- ☐ Environmental finding of consistency *(Winter 2026/27)*
- ☐ Final State Public Benefit Contracts *(Summer 2027)*
- ☐ **WSIP Final Funding Hearing *(Fall 2027)***
- ☐ Complete construction
  - Rialto RW Interconnection *(2027-2031)*
  - AWPF *(2027-2031)*
  - Replenishing Wells *(2027-2030)*
  - MWD interconnection *(2028-2031)*
  - Extraction Wells *(2028-2031)*
- ☐ Facilities start-up commissioning, operations begin *(2031-2032)*

PDR – Preliminary Design Report, AWPF – Advanced Water Purification Facility, RW – Recycled Water, CBP – Chino Basin Program, CEQA – California Environmental Quality Act, MWD – Metropolitan Water District, O&M – Operations and Maintenance, PEIR – Program Environmental Impact Report, USBR – United States Bureau of Reclamation, CWC – California Water Commission, WSIP – Water Storage Investment Program

Chino Basin Program Facilities Overview

Facility	2026 Cost ($ M)	Benefits
Advanced Water Purification Facility (15 MGD)	$232 M	• Advance treat recycled water for storage in groundwater basin • Remove salts, CECs
Recycled Water Pipeline	$125 M	• Direct recycled water to provide steady flow for AWPF
Pure Water Recharge Facilities (aquifer replenishing wells, conveyance, GWR facilities)	$181 M	• Store purified water in Chino Basin aquifer for future use. • 15,000 AF of water to be stored each year
Production Facilities (wells, conveyance)	$337 M	• New wells to pump stored recycled water from aquifer • 40,000 AF production capacity
MWD Interconnection	$133 M	• Pump-in connection to move 10,000 AF pumped groundwater to MWD
Total	$1,008 M	

MGD – million gallons per day, CEC – constituent of emerging concern, GWR – groundwater recharge, AF – acre-feet

Chino Basin Program Facilities Overview

Facility	2026 Cost ($ M)	Benefits
Advanced Water Purification Facility (15 MGD)	$232 M	
Recycled Water Pipeline	$125 M	
Pure Water Recharge Facilities (aquifer replenishing wells, conveyance, GWR facilities)	$181 M	
Production Facilities (wells, conveyance)	$337 M	
~~MWD Interconnection~~	~~$133 M~~	~~• Pump-in connection to move 10,000 AF pumped groundwater to MWD~~
Total	$875 M	

Metropolitan and IEUA have agreed to *remove* the MWD Interconnection from the Chino Basin Program, without impacting public benefits.

- ✓ Local performance= 100% in-lieu
- ✓ Maintain Pulse Flow size and capabilities
- ✓ $133 M in capital cost savings

8

Chino Basin Program Total Budget *(2017-2032)*

	2017-2026	2024-2027	2027-2032	2017-2032
Facility	**Planning and Preliminary Design Budget**	**Early Design (Progressive Design Build up to GMP)**	**Final Design/ Construction**	**Total Cumulative Budget**
"PUT" RW Treatment and Storage Facilities				
Advanced Water Purification Facility (15 MGD)		$40 M	$232 M	$276.1 M
Recycled Water Pipeline (Rialto)			$125 M	$136.1 M
Pure Water Recharge Facilities			$181 M	$203.1 M
Pure water conveyance pipelines		$21 M		
Aquifer Replenishment Injection Wells	$28.6 M			
"TAKE" Producation Facilities				
CVWD Production Facilities			$337 M	$345.2 M
FWC Production Facilities				
MWD Interconnection			~~$133 M~~	~~$137.1 M~~
Total	**$28.6 M**	**$61 M**	**$875 M**	**$964.6 M**

GMP – Guaranteed Maximum Price

Chino Basin Program Budget

Planning and Preliminary Design (2017-2026)

		IEUA							External	
		Prop. Tax	Water	Wastewater		Recycled Water			State	Federal
Facility	**2017-2026**		MEU	Con. Fee	EDU	Direct	Fixed Cost	Recjarge	CWC WSIP Early Funding	USBR Planning Grant
"PUT" RW Treatment and Storage Facilities										
Advanced Water Purification Facility (15 MGD)										
Recycled Water Pipeline (Rialto)										
Pure Water Recharge Facilities										
Pure water conveyance pipelines										
Aquifer Replenishment Injection Wells	**$28.6 M**	$15 M	-	-	-	-	-	-	$10.8 M	$2.8M
"TAKE" Producation Facilities										
CVWD Production Facilities										
FWC Production Facilities										
MWD Interconnection										
Total	**$28.6 M**	$15 M	-	-	-	-	-	-	$10.8 M	$2.8M

MEU - Meter Equivalent Unit, EDU - Equivalent Dwelling Unit

LEGEND

- Awarded
- Application Submitted/Pending
- Conditionally Awarded
- Planning to Apply

Chino Basin Program Budget

Early Design (Progressive Design Build to GMP (2017-2026)

		IEUA							External Funding				
		Prop. Tax	Water	Wastewater		Recycled Water			State		Federal		Other
Facility	2026 Cost ($ M)		MEU	Con. Fee	EDU	Direct	Fixed Costs	Recharge	SWRCB Water Rec (Prop 4) $15M max per phase/project	CWC WSIP Final Funding for CBP	USBR L Scale (Round 2)	Com Project Request	MWD FSA
"PUT" RW Treatment and Storage Facilities										$38.8 M			
Advanced Water Purification Facility (15 MGD)	**$40 M**	$40 M	-	-	-	-	-	-	$5 M		$4.6 M	$1 M	$0.4 M
Recycled Water Pipeline (Rialto)	**$21 M**	$21 M	-	-	-	-	-	-	$5 M				
Pure Water Recharge Facilities											$6.2 M		
Pure water conveyance pipelines													
Aquifer Replenishment Injection Wells													
"TAKE" Producation Facilities													
CVWD Production Facilities													
FWC Production Facilities													
MWD Interconnection													
Total	**$61 M**	**$61 M**							**$10 M**	**$38.8 M**	**$10.8 M**	**$1 M**	**$0.4 M**

FSA – Future Supply Actions

LEGEND

- Awarded
- Conditionally Awarded
- Application Submitted/Pending
- Planning to Apply

Chino Basin Program Budget

Final Design/Construction (2027-2032)

		IEUA							External Funding				
		Prop. Tax	Water	Wastewater		Recycled Water			State		Federal		
Facility	2026 Cost ($ M)		MEU	Con. Fee	EDU	Direct	Fixed Costs	Recharge	SWRCB Water Rec (Prop 4) $15M max per phase/project	CWC WSIP Final Funding for CBP	USBR L Scale (Round 3)	USBR Title XVI	FEMA BRIC
"PUT" RW Treatment and Storage Facilities	**$538 M**												
Advanced Water Purification Facility (15 MGD)	*$232 M*								**$10 M**		**$8.2 M**	**$5.6 M**	
Recycled Water Pipeline (Rialto)	*$125 M*								**$10 M**				$46.3 M
Pure Water Recharge Facilities	*$181 M*										**$11.2 M**	**$4.1 M**	
Pure water conveyance pipelines										$297.7 M			
Aquifer Replenishment Injection Wells													
"TAKE" Producation Facilities	**$470 M**												
CVWD Production Facilities	$337 M												
FWC Production Facilities													
MWD Interconnection	~~*$133 M*~~												
Total	**$875 M**								**$20 M**	**$297.7 M**	**$19.4 M**	**$9.7 M**	**$46.3 M**

TBD, Based on Current Rates Study

FEMA – Federal Emergency Management Agency, BRIC – Building Resilient Infrastructure and Communities

LEGEND

- Awarded
- Conditionally Awarded
- Application Submitted/Pending
- Planning to Apply

Chino Basin Program in IEUA Rates

Limited to Recycled Water Program Expansion ("PUT" facilities)

Facility	2026 Cost ($ M)	Benefits
Advanced Water Purification Facility (15 MGD)	$232 M	• Advance treat recycled water for storage in groundwater basin • Remove salts, CECs
Recycled Water Pipeline	$125 M	• Direct recycled water to provide steady flow for AWPF
Pure Water Recharge Facilities (aquifer replenishing wells, conveyance, GWR facilities)	$181 M	• Store purified water in Chino Basin aquifer for future use. • 15,000 AF of water to be stored each year
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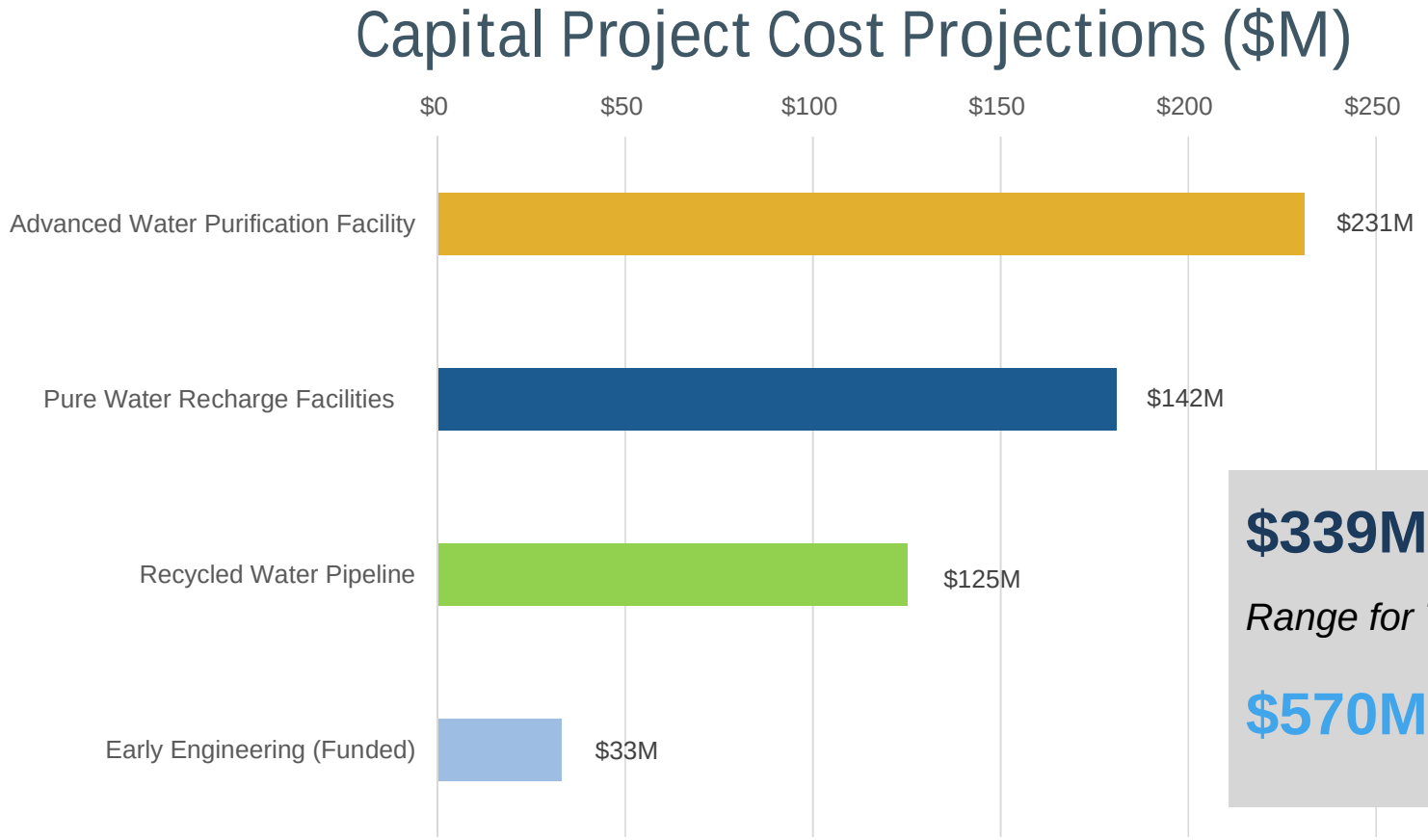
~~MWD Interconnection~~	~~$133 M~~	~~• Pump-in connection to move 10,000 AF pumped groundwater to MWD~~
Total	$875 M	

CBP- Recycled Water Program Expansion Cost Overview



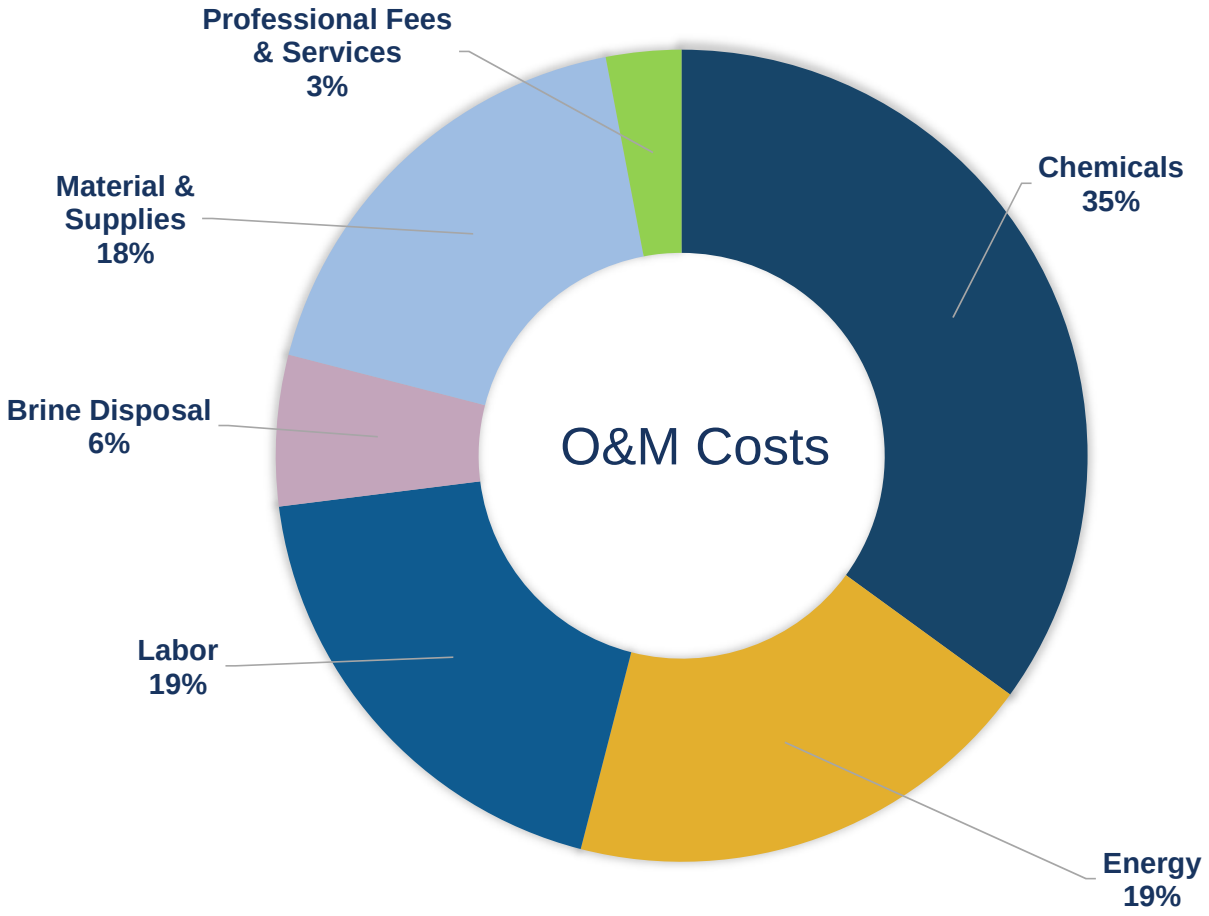
$339M-$855M

Range for Total Capital Cost

$570M **(current estimate)**

CBP- Recycled Water Program Expansion Cost

Overview: *O&M and Debt Service*



Beginning 2032

$25.4M-$27.9M

Total Annual O&M

Beginning 2027

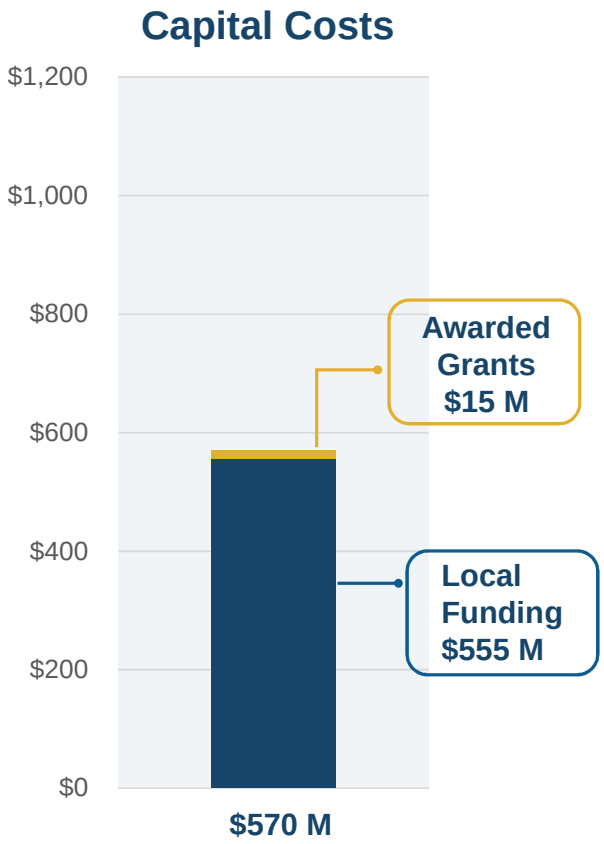
$32.9M

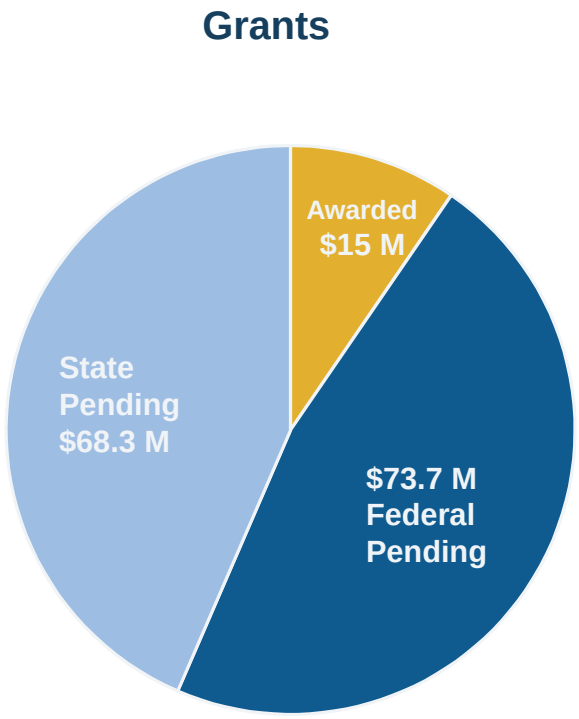
Total Annual Debt Service

30 years, without external funding

4.48% assumed interest rate

CBP- Recycled Water Program Expansion Grant Funding





RECYCLED WATER PROGRAM EXPANSION FACILITIES:

- Advanced Water Purification Facility
- Aquifer Replenishing Wells
- Recycled Water Pipeline
- Purified Water Conveyance

Finance
Cost of Service Rate Study Update



September - November 2026	December 2026 - January 2027	February 2027	April 2027
Rates Process	**Cost of Service**	**Rate Design**	**Rates Adoption**
OPEN DECISIONS • Funding sources: cost recovery share, grants, new revenue bonds, WSIP funding, and debt structure	Ten-Year Capital Improvement Plan Cost Allocation • December 2026 Budget Assumptions Workshop #1 • January 6, 2027	Budget Assumptions Workshop #2 • February 3, 2027	Rates Adoption • April 21, 2027

Q – Quarter, FY – Fiscal Year

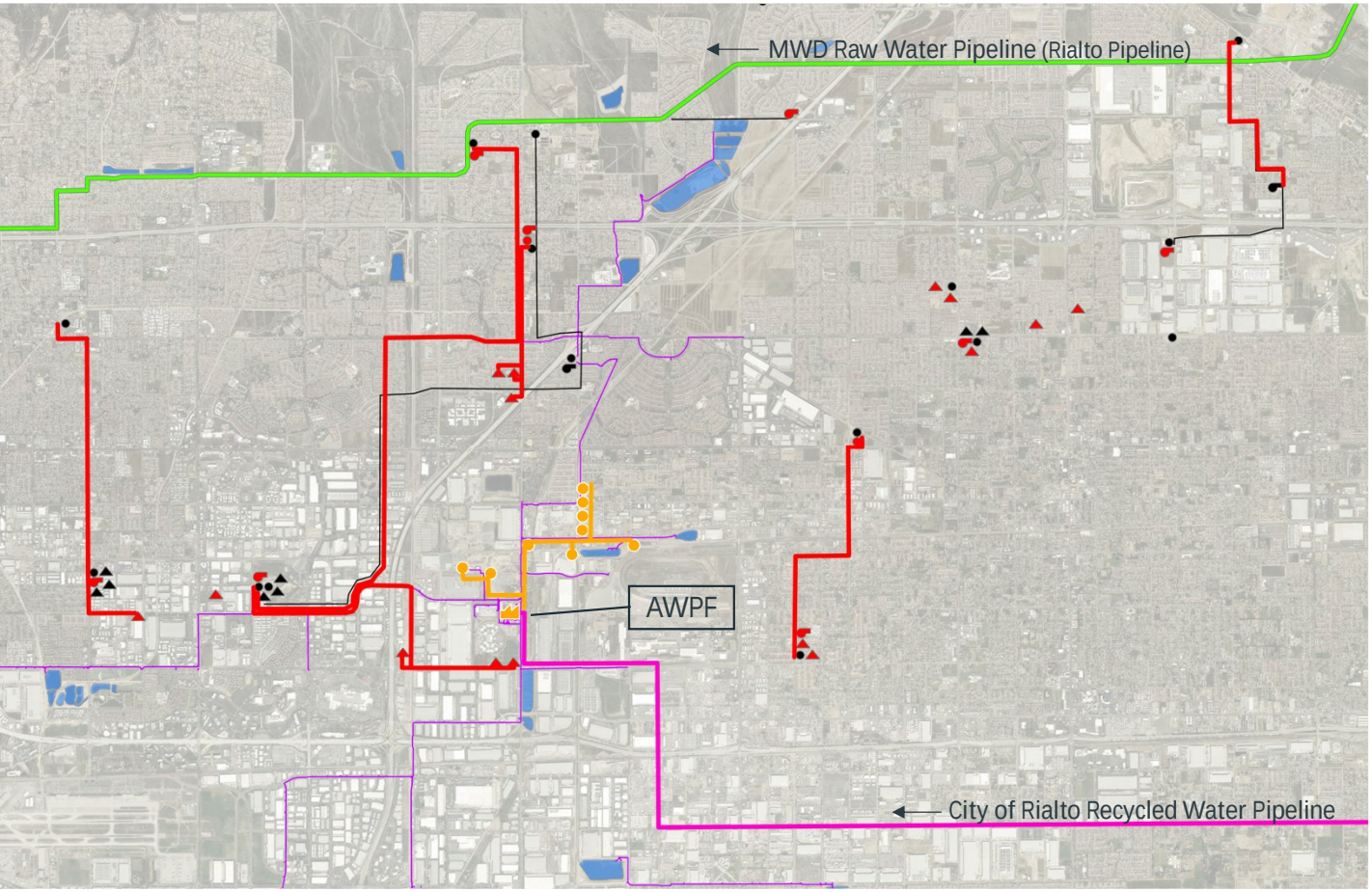
Environmental Permitting Status


Chino Creek Wetlands and Educational Park

- 1211 IEUA Wastewater Diversion Petition (filed May 2026)
- 1211 Rialto Wastewater Diversion Petition (filed May 2026)
- Chino Basin Program Environmental Impact Report (PEIR) (recertified July 2026)
- DWR Pulse Flow Supplemental Environmental Impact Report (SEIR) (certified July 2026)

Chino Basin Program Infrastructure

Regional Recycled Water Expansion and Production Facilities



LEGEND

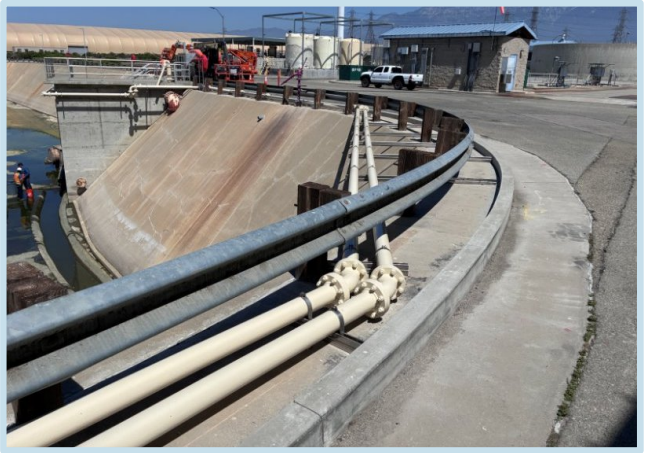
- Metropolitan State Water Project Pipeline (Rialto Feeder)
- IEUA recycled water pipelines
- Existing active recharge basins for flood, stormwater/recycled water capture
- NEW Supplemental Recycled water pipeline (Rialto)
- Pure Water pipeline and aquifer replenishing wells
- Existing potable water pipeline
- Existing reservoir
- Existing pump station
- Existing groundwater well
- NEW pumped water pipeline
- NEW reservoir
- NEW pump station
- NEW groundwater well

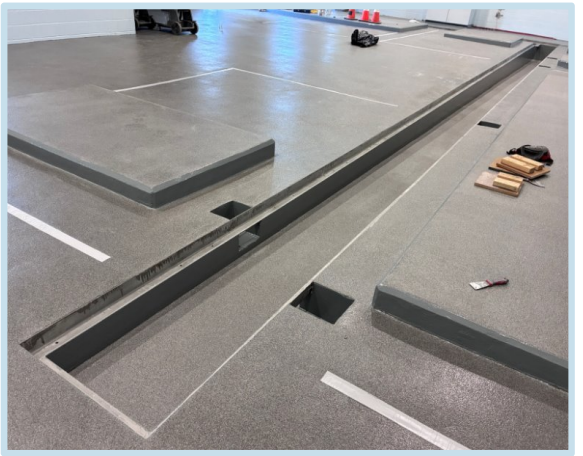
Chino Basin Program Engineering Update

Facility	2026 Cost ($ M)	Benefits
Advanced Water Purification Facility (15 MGD)	$232 M	• Advance treat recycled water for storage in groundwater basin • Remove salts, CECs
Recycled Water Pipeline	$125 M	• Direct recycled water to provide steady flow for AWPF
Pure Water Recharge Facilities (aquifer replenishing wells, conveyance, GWR facilities)	$181 M	• Store purified water in Chino Basin aquifer for future use. • 15,000 AF of water to be stored each year
Production Facilities (wells, conveyance)	$337 M	• New wells to pump stored recycled water from aquifer • 40,000 AF production capacity
~~MWD Interconnection~~	~~$133 M~~	~~• Pump-in connection to move 10,000 AF pumped groundwater to MWD~~
Total	$875 M	

CBP AWP Demonstration Facility

- Located at RP-4 in existing Maintenance Building
  - Matches location of future full-scale facility
  - Potential long-term use for testing of technological innovations
- Three potential source waters:
  - IEUA 1158 RW distribution line
  - RP-4 AquaDisk effluent
  - RP-4 CCB 1A effluent
- Membrane Filtration (MF), Reverse Osmosis (RO), and Ultraviolet with Advanced Oxidation Process (UV-AOP)



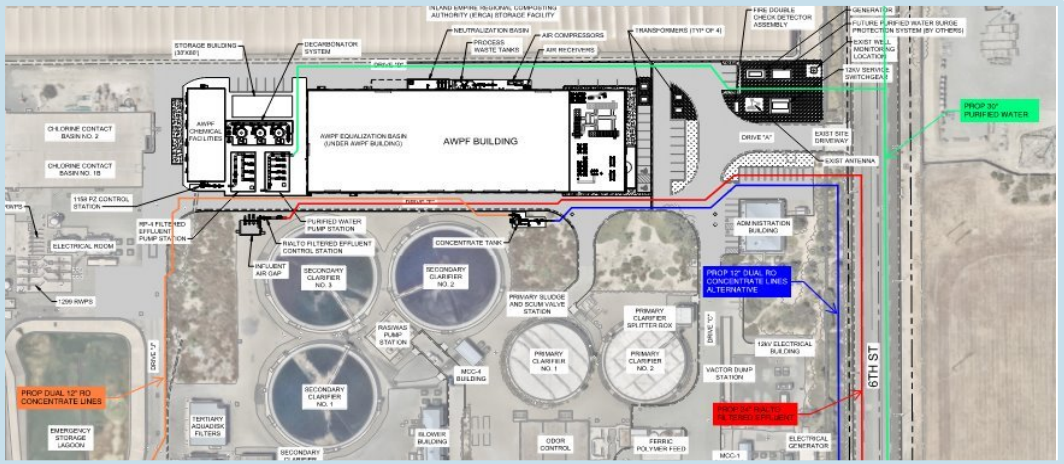


CCB – chlorine contact basin

Advanced Water Purification Facility

Purify recycled water for storage in groundwater basin

- Basis of Design Report is now complete
- Received 33 submittals and 27 RFIs
- Completed early field investigations
- Advance to 30% design
- Evaluate Value Engineering (37 ideas)
- Progressive-Design Build Team
  - JF Shea-Tetra Tech
- Independent advisory panel review completed





RFI – Request for Information

Chino Basin Program Engineering Update

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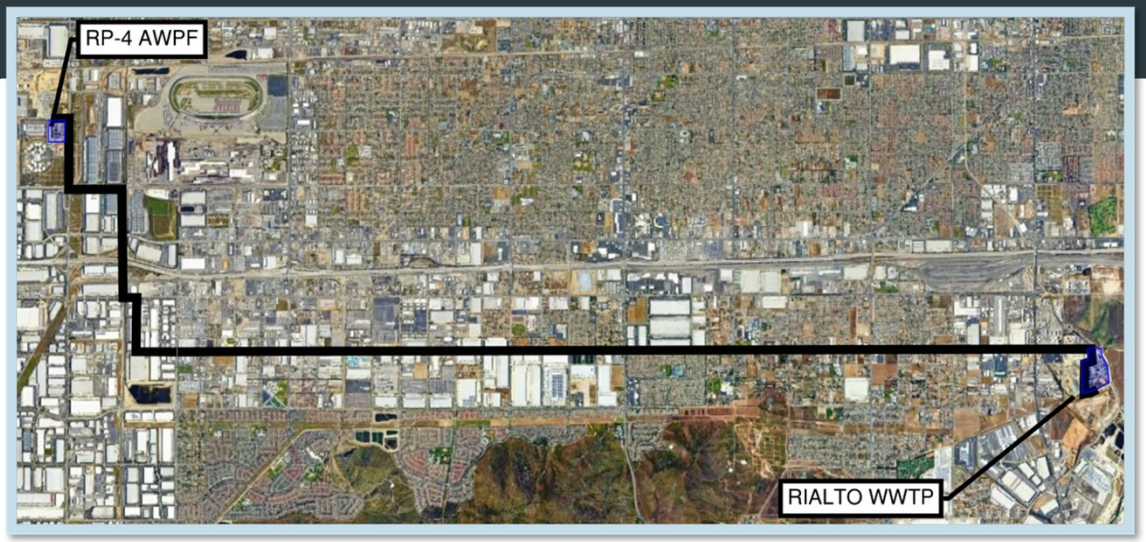
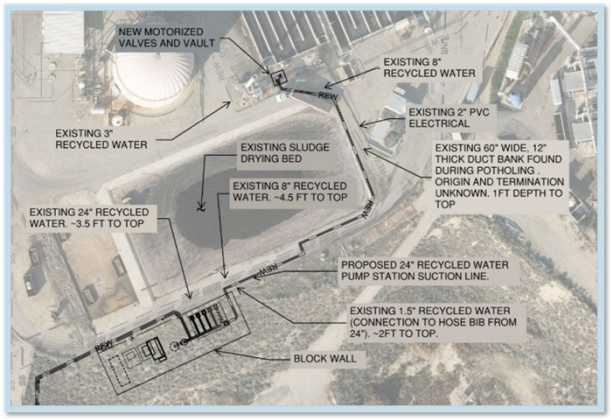
~~MWD Interconnection~~	~~$133 M~~	~~• Pump-in connection to move 10,000 AF pumped groundwater to MWD~~
Total	$875 M	

23

Rialto Alignment – Field Activity Progress

- Survey, potholing, and geotechnical investigation underway
- Completed engineering for connection to Rialto Wastewater Treatment Plant (WWTP)
- Progressive Design Build Team
  - Steve P. Rados-Stantec
- Basis of Design Report review completed September 22, 2026





Pump Station Rialto WWTP

Chino Basin Program Engineering Update

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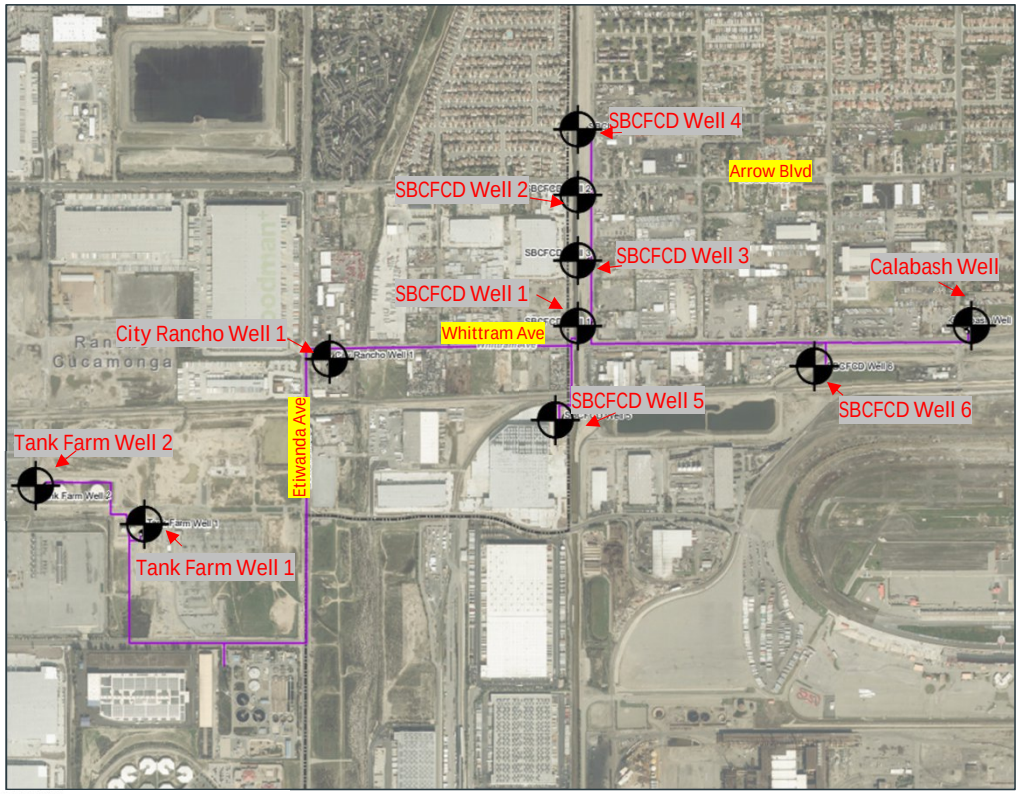
Total	$875 M	

Replenishment Well Siting/Design

Wells to Store Purified Water

- Property Acquisition
- Sequencing: Monitoring well followed by pilot well, with separate procurements for each
- Awarded the monitoring well drilling contract



Chino Basin Program Engineering Update

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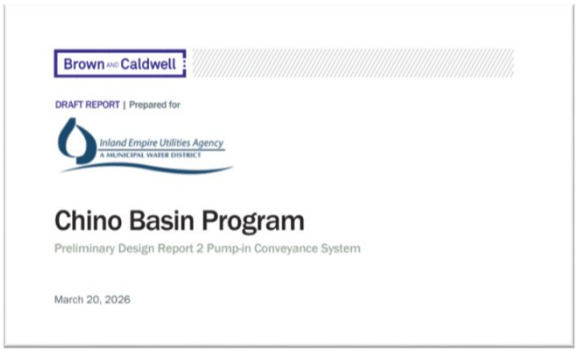
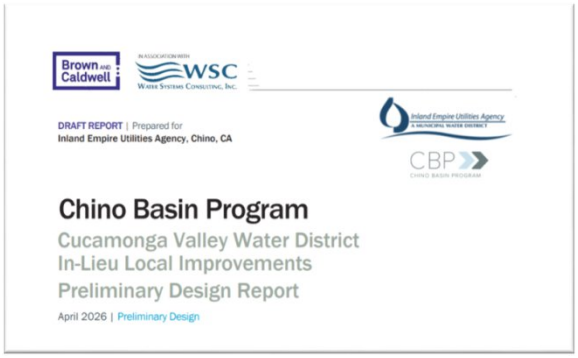
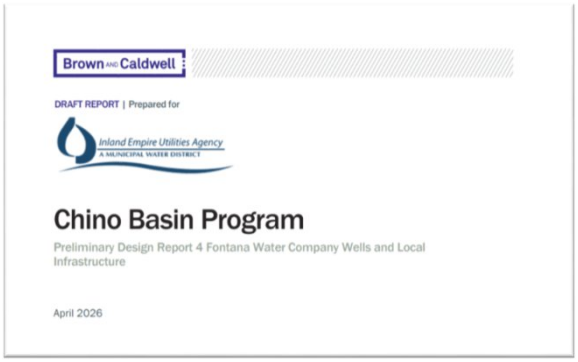
Production Facilities Preliminary Design Reports









- ✓ Four draft preliminary design reports (PDRs) for the production infrastructure are under review:
  - MWD Pump-in Infrastructure
  - Pump-in Conveyance
  - CVWD In-Lieu Local Improvements
  - FWC In-Lieu Local Improvements
- ✓ Updated cost estimates
- Final PDRs by Fall 2026
- Value Engineering discussions Fall-Winter 2026/2027



Discussion

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

2A

Date: November 4, 2026

To: The Honorable Board of Directors **From:** Kevin Alexander, General Manager

Committee: No Committee Review

Staff Contact: Elaine Jeng, Deputy General Manager

Subject: Approve Addendum No. 2 to Recirculated Final Program Environmental Impact Report for Chino Basin Program

Executive Summary:

In June 2026, IEUA submitted a Wastewater Change Petition to the State Water Resources Control Board (SWRCB) requesting to reduce the discharge of tertiary-treated wastewater to the Santa Ana River and redirect it for advanced treatment and direct groundwater storage in the Chino Basin. The SWRCB was listed as a responsible agency for the wastewater change petition and will evaluate any significant environmental effect identified in the Recirculated Final Program Environmental Impact Report (RFPEIR) that is within their responsibility. In the Mitigation Monitoring and Reporting Plan (MMRP) for biological resources, a mitigation measure included a provision that IEUA will conduct a second-tier California Environmental Quality Act (CEQA) evaluation for a proposed wastewater diversion project.

Tom Dodson & Associates reviewed the data presented in the RFPEIR and determined that the proposed wastewater diversion project described in the Wastewater Change Petition can be addressed in an Addendum, as some changes or additions are necessary but none of the conditions described in CEQA Guidelines Section 15162 calling for preparation of a subsequent EIR have occurred per Section 15164. No additional technical studies are required. Based on this determination, an addendum to the RFPEIR is the appropriate CEQA document for the proposed wastewater diversion project.

In 2021, the Chino Basin Program (CBP) Program Environmental Impact Report (PEIR) evaluated the potential environmental effects associated with implementing the CBP projects based on the feasibility studies of the proposed facilities and identified measures to mitigate those effects. In May 2022, the IEUA Board of Directors certified the Final PEIR and adopted the MMRP. The following month, the City of Ontario filed a petition in San Bernardino County Superior Court (Superior Court) alleging that IEUA's preparation of the PEIR did not comply with the CEQA.

In December 2025, the Court issued a Peremptory Writ of Mandate directing IEUA to address three identified deficiencies and recertify the PEIR in compliance with CEQA. In response, IEUA filed a Notice of Appeal with the Superior Court and prepared a partial revision to the previously adopted CBP Final PEIR that addressed those areas. The analyses and conclusions for all other impact areas evaluated in the 2022 Final PEIR remained unchanged. In July 2026, the IEUA Board of Directors certified the RFPEIR.

Staff's Recommendation:

Staff recommends that the Board:

1. Approve Addendum No. 2 to the Recirculated Final Program Environmental Impact Report for the Chino Basin Program; and
2. Authorize the filing of the Notice of Determination with the County Clerk and the State Clearinghouse, Office of Land Use and Climate Innovation.

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

Account/Project Name: PL19005/Chino Basin Program

Regional Sewerage *Technical Committee (Y/N):*

Policy Committee (Y/N):

Prior Board Action:

On July 15, 2026, the IEUA Board of Directors adopted Resolution No. 2026-7-1, certifying the Recirculated Final Program Environmental Impact Report for the Chino Basin Program.

On September 17, 2025, the IEUA Board of Directors approved Addendum No. 1 to the Final Program Environmental Impact Report for the Chino Basin Program Advanced Water Purification Demonstration Facility.

On May 18, 2022, the IEUA Board of Directors adopted Resolution No. 2022-5-1, certifying the Final Chino Basin Program Environmental Impact Report.

Aligns with Strategic Goal:

Goal 1. Water Supply Reliability: Provide a reliable and economical water supply that meets the evolving needs of the region.

Environmental Determination:

Addendum to

Environmental Determination Text:

IEUA prepared an addendum to the Recirculated Final Program Environmental Impact Report and a link to the RFPEIR is available for information.

Attachments:

Attachment 1 - PowerPoint
Attachment 2 - CBP RFPEIR Addendum 2 Notice of Determination

CBP

CHINO BASIN PROGRAM

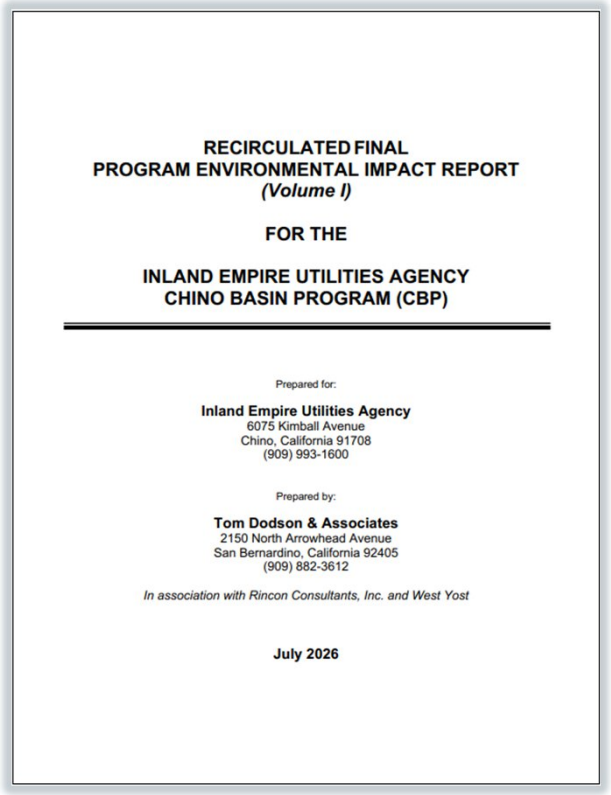


Approve Addendum No. 2 to Recirculated Final Program Environmental Impact Report for Chino Basin Program

Liza Muñoz, P.E., Senior Engineer
November 2026

Background

- May 2022: Chino Basin Program (CBP) Final Program Environmental Impact Report (PEIR) was certified by the IEUA Board of Directors
- June 2022: City of Ontario filed a California Environmental Quality Act (CEQA) challenge with the San Bernardino County Superior Court
- December 2025: Trial court ruling upheld the 2022 PEIR's technical analyses with three areas to address to recertify the PEIR
- After the ruling, IEUA and City of Ontario both filed Appeals
- July 2026: After preparing a partial revision to the PEIR according to the ruling, the IEUA Board of Directors certified the CBP Recirculated Final PEIR (RFPEIR)



RECIRCULATED FINAL
PROGRAM ENVIRONMENTAL IMPACT REPORT
(Volume I)

FOR THE

INLAND EMPIRE UTILITIES AGENCY
CHINO BASIN PROGRAM (CBP)

Prepared for:

Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, California 91708
(909) 993-1600

Prepared by:

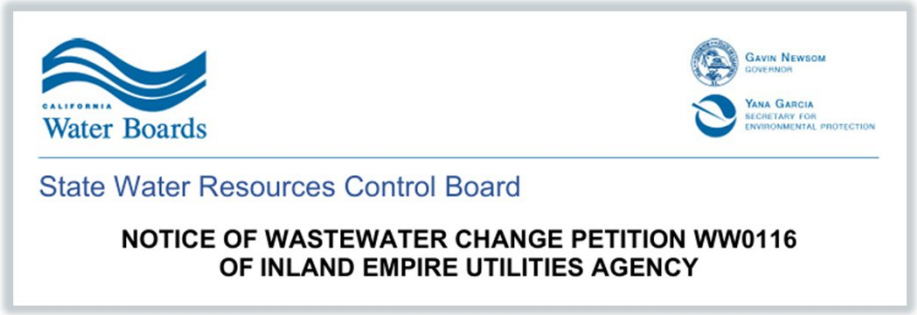
Tom Dodson & Associates
2150 North Arrowhead Avenue
San Bernardino, California 92405
(909) 882-3612

In association with Rincon Consultants, Inc. and West Yost

July 2026

CBP Second-Tier CEQA Evaluation

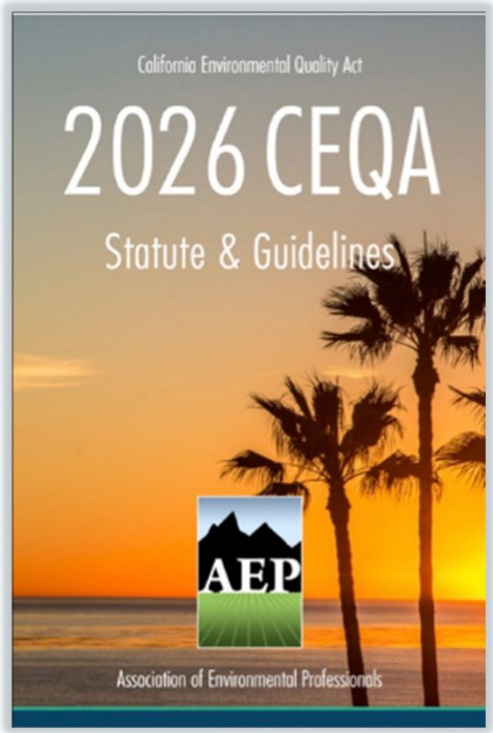
- June 2026: IEUA submitted a State Water Resources Control Board (State Water Board) wastewater change petition to reduce tertiary-treated wastewater discharges to the Santa Ana River and redirect it for advanced treatment and groundwater storage
- State Water Board acts as a California Environmental Quality Act (CEQA) responsible agency for wastewater change petitions and will review CBP CEQA documents



- Based on the preliminary designs of the CBP facilities, there were fewer facilities than what was evaluated in the 2022 CBP PEIR
- A second-tier environmental review for the proposed wastewater diversion project was conducted to comply with CEQA
- The review will determine whether the modified project would cause significant new impacts not evaluated in the 2026 CBP RFPEIR.

CBP Second-Tier CEQA Evaluation

- After the analysis of each environmental topic was completed:
  - Potential impacts of the modified project were less than identified in 2026 RFPEIR
  - No new or more significant environmental impacts than forecasted in 2026 RFPEIR
- Per CEQA Guidelines Section 15164, an Addendum is appropriate since no conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred for each environmental topic addressed in 2026 RFPEIR
- Addendum No. 2 to the 2026 RFPEIR is recommended as the appropriate CEQA environmental documentation for the modified project



EIR – Environmental Impact Report

Staff Recommendation

1. Approve Addendum No. 2 to the Recirculated Final Program Environmental Impact Report for the Chino Basin Program; and
2. Authorize the filing of the Notice of Determination with the County Clerk and the State Clearinghouse, Office of Land Use and Climate Innovation.

This item aligns with Strategic Goal(s): Goal 1. Water Supply Reliability

NOTICE OF DETERMINATION

To: San Bernardino County
Clerk of the Board
385 North Arrowhead Avenue
San Bernardino, CA 92415

and Office of Land Use and Climate Innovation
State Clearinghouse
1400 Tenth Street
Sacramento, CA 95814

From: Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91708

Subject: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

Inland Empire Utilities Agency Chino Basin Program (CBP) Advanced Water Purification Facility (AWPF) Change Of Use Petition
Project Title

SCH#2021090310 Elizabeth Hurst, Chino Basin Program Manager (909) 993-1634
State Clearinghouse Number **Lead Agency Contact Person** **Telephone Number**

Project Location

The proposed project would occur within IEUA's service area, which occurs almost entirely within the Chino Groundwater Basin (Chino Basin). IEUA's service area is located in western San Bernardino County, and serves approximately 875,000 residents in a 242-square mile service area, while the Chino Basin consists of about 235-square miles of the upper Santa Ana River watershed. The Chino Basin is bounded:

- on the north by the San Gabriel Mountains and the Cucamonga Basin;
- on the east by the Rialto-Colton Basin, Jurupa Hills, and the Pedley Hills;
- on the south by the La Sierra Hills and the Temescal Basin; and
- on the west by the Chino Hills, Puente Hills, and the Spadra, Pomona, and Claremont Basins.

The Chino Basin is mapped within the USGS – Corona North, Cucamonga Peak, Devore, Fontana, Guasti, Mount Baldy, Ontario, Prado Dam, Riverside West and San Dimas Quadrangles, 7.5 Minute Series topographic maps. The center of the Basin is located near the intersection of Haven Avenue and Mission Boulevard at Longitude 34.038040N, and Latitude 117.575954W.

The majority of the infrastructure proposed as part of the CBP is proposed in the northern portion of the Basin, north of the Interstate 10 Freeway.

Project Description

At the present time, tertiary treated water is currently discharged to the Santa Ana River watershed from four IEUA WWTPs, including:

- 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 Water Recycling Facility (CCWRF).

IEUA's four WWTPs currently discharge to four points upstream of Prado Dam:

- RP-1 and RP-4 to Prado Park Lake, tributary to Chino Creek thence to the Santa Ana River in Prado Basin;
- RP-1 and RP4 to Cucamonga Creek, tributary to Chino Creek thence to the Santa Ana River in Prado Basin;
- RP-5 to Chino Creek, tributary to the Santa Ana River, approximately 5.5 river miles upstream of

Prado Dam; and,
- CCWRF to Chino Creek, tributary to the Santa Ana River, approximately 7.2 river miles upstream of Prado Dam.

IEUA is proposing to reduce present discharges by 9,992 acre-feet per year (afy), which is an approximately 45 percent reduction of baseline average annual WWTP discharges. IEUA is also proposing to continue to discharge a minimum of 7,038 afy of treated wastewater to the Santa Ana River watershed, which is approximately 30 percent of baseline average annual WWTP discharges. The reduction in discharge to the Upper Santa Ana River watershed above Prado Dam would be from all four discharge points, but could vary in actual time based on future wastewater treatment volumes at these WWTP's. More information is provided immediately below regarding IEUA Recycled Water generation and use.

After considering the available options for complying with CEQA regarding the above described project modifications, the IEUA concluded that compiling an Addendum to the certified 2026 CBP Recirculated Final Program Environmental Impact Report (RFPEIR) would be the most appropriate way to comply with CEQA for the proposed project modifications. This approach justified the preparation of an Addendum to comply with CEQA for the proposed Modified Project. No other changes to the project evaluated in the 2026 CBP RFPEIR (Original Project) are envisioned at this time under the Addendum.

This is to advise that the Inland Empire Utilities Agency has approved the above described project on

■ Lead Agency ☐ Responsible Agency

11/4/26 and has made the following determination regarding the above described project:
(Date)

1. The project [■ will ☐will not] have a significant effect on the environment.
2. ■ Addendum No. 2 to the previously adopted CBP RFPEIR (SCH#2021090310) was prepared for this project pursuant to the provisions of CEQA.
   ☐ A Mitigated Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [■ were ☐ were not] made a condition of the approval of the Original Project and a Mitigation Monitoring and Reporting Plan (MMRP) was adopted for the Original Project. This Addendum makes no changes to the Original Project MMRP.
4. A Statement of Overriding Considerations [■was ☐ was not] adopted for the Original Project RFPEIR.
5. Findings [■ were ☐ were not] made pursuant to the provisions of CEQA for the Original Project RFPEIR.

This is to certify that the Addendum and record of project approval is available to the general public at:

IEUA's website at https://www.ieua.org/chino-basin-program-ceqa-documents/ and digitally at 6075 Kimball Avenue, Chino, CA 91708

Signature *Title* *Date*

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

2B

Date: November 4, 2026

To: The Honorable Board of Directors **From:** Kevin Alexander, General Manager

Committee:

Staff Contact: Elaine Jeng, Deputy General Manager

Subject: Approve Master Services Contract Amendment for Consulting Program Management and Owner Engineering Services

Executive Summary:

The services provided by the Consulting Program Management/Owner's Engineer (PM/OE) will continue to support the capital delivery and implementation of the Chino Basin Program (CBP). In July 2023 Jacobs Engineering Group, Inc. (Jacobs) was awarded a contract to provide PM/OE services through July 2025. The contract was later extended in November 2025 for one year. This amendment to the contract will allow Jacobs to continue to provide the foundational resources and subject matter experts needed to advance the planning of CBP's projects under the wastewater compliance facilities and the regional recycled water program's facilities. Additionally, the amendment will eventually allow Jacobs to provide the needed resources for implementation of future full-scale projects if the direction is approved by the Board. Service areas include program management, program controls, engineering and project management, contract support, construction management, environmental and regulatory compliance planning, and public outreach support. The proposal includes ten subconsultants (half of which are small businesses), for approximately 23% of the fee. Staff negotiated the scope of services and confirmed the total fees of $10,987,137 for Consulting PM/OE services from November 2026 through November 2028 utilizing the labor rates and mark-ups under the initial contract in addition to a 3% annual cost of living adjustment.

Staff's Recommendation:

Staff recommends that the Board:

1. Approve a master services contract amendment with Jacobs Engineering Group, Inc. for the consulting program management and owner engineering services for the Early Engineering for Recycled Water Facilities Project, No. EN25022, Early Engineering for Advanced Water Purification Facilities Project, No. EN25070, Purified Water Conveyance Project, No. EN28004, Advanced Water Purification Facility Project, No. EN28007, Replenishing Facilities Project, No. WR23001, and Recycled Water Interconnection to the City of Rialto Project, No. WR23002, for a not-to-exceed amount of $10,987,137, increasing the contract amount from $15,565,731 to $26,552,868; and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

Budget Impact *Budgeted (Y/N):* Y *Amendment (Y/N):* N *Amount for Requested Approval* 10,987,13

Account/Project Name: EN25070/Early Engineering for Advanced Water Purification Facilities,

EN25022/Early Engineering for Recycled Water Facilities, EN28004/Purified Water Conveyance, EN28007/Advanced Water Purification Facility, WR23001/Replenishing Facilities, WR23002/Recycled Water Interconnection to the City of Rialto

Fiscal Impact (explain if not budgeted):

The project for Early Engineering for Advanced Water Purification Facilities has an approved Fiscal Year (FY) 2026/27 budget of $11,000,000 and an approved total project budget of $45,200,000 in the Regional Wastewater Capital Fund (10900). This action is covered by the approved budget. The funding sources for the project include grants, connection fees, property taxes, and reserves.

The project for Early Engineering for Recycled Water Facilities has an approved FY 2026/27 budget of $11,000,000 and an approved total project budget of $23,000,000 in the Recycled Water Fund (10600). This action is covered by the approved budget. The funding sources for the project include recycled water rates and property taxes.

The project for Purified Water Compliance has a FY 2026/27 budget of $0 and an approved total project budget of $39,000,000 in the Recycled Water Fund (10600). This action will not use funding from this project until the FY2027/28 budget is approved. The funding sources for the project include recycled water rates and property taxes.

The project for Advanced Water Purification Facilities has a Fiscal Year (FY) 2026/27 budget of $0 and an approved total project budget of $231,500,000 in the Regional Wastewater Capital Fund (10900). This action will not use funding from this project until the FY2027/28 budget is approved. The funding sources for the project include grants, connection fees, property taxes, and reserves.

The project for Replenishing Facilities has a FY 2026/27 budget of $0 and an approved total project budget of $142,000,000 in the Recycled Water Fund (10600). This action will not use funding from this project until the FY2027/28 budget is approved. The funding sources for the project include recycled water rates and property taxes.

The project for Recycled Water Interconnection to the City of Rialto has a FY 2026/27 budget of $0 and an approved total project budget of $125,000,000 in the Recycled Water Fund (10600). This action will not use funding from this project until the FY2027/28 budget is approved. The funding sources for the project include recycled water rates and property taxes.

Regional Sewerage *Technical Committee (Y/N):*

Policy Committee (Y/N):

Prior Board Action:

On November 19, 2025, the Board of Directors approved a master services contract amendment to Jacobs Engineering Group, Inc. for the not-to-exceed amount of $6,451,926 increasing the total contract value to $15,565,731.

On July 19, 2023, the Board of Directors approved a master services contract for the consulting program management and owner engineering services to the Jacobs Engineering Group, Inc. for the Early Engineering for Recycled Water Facilities, Project No. EN25022, and Early Engineering for Advanced Water Purification Facilities, Project No. EN25070, for the not-to-exceed amount of

$9,113,805.

Aligns with Strategic Goal:

Goal 1. Water Supply Reliability: Provide a reliable and economical water supply that meets the evolving needs of the region.

Environmental Determination:

Not Applicable

Environmental Determination Text:

Not Applicable

Attachments:

Attachment 1 - PowerPoint
Attachment 2 - Contract Amendment

CBP

CHINO BASIN PROGRAM



Approve Master Services Contract Amendment for Consulting Program Management and Owner Engineering Services

Adham Almasri, P.E., PMP, Advanced Water Treatment Program Manager

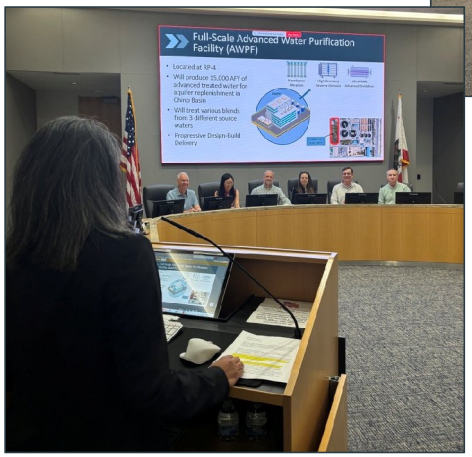
November 2026

Consulting Program Manager/Owner's Engineer Services

- Consulting Program Manager/Owner's Engineer (PM/OE) Duties:
  - Program Implementation and Management
  - Program Controls
  - Engineering and Project Management
  - Contract Support, Project Packaging, and Land Acquisition
  - Construction Management and Inspection Services
  - Environmental Studies and Regulatory Compliance
  - Public Outreach and Stakeholder Engagement

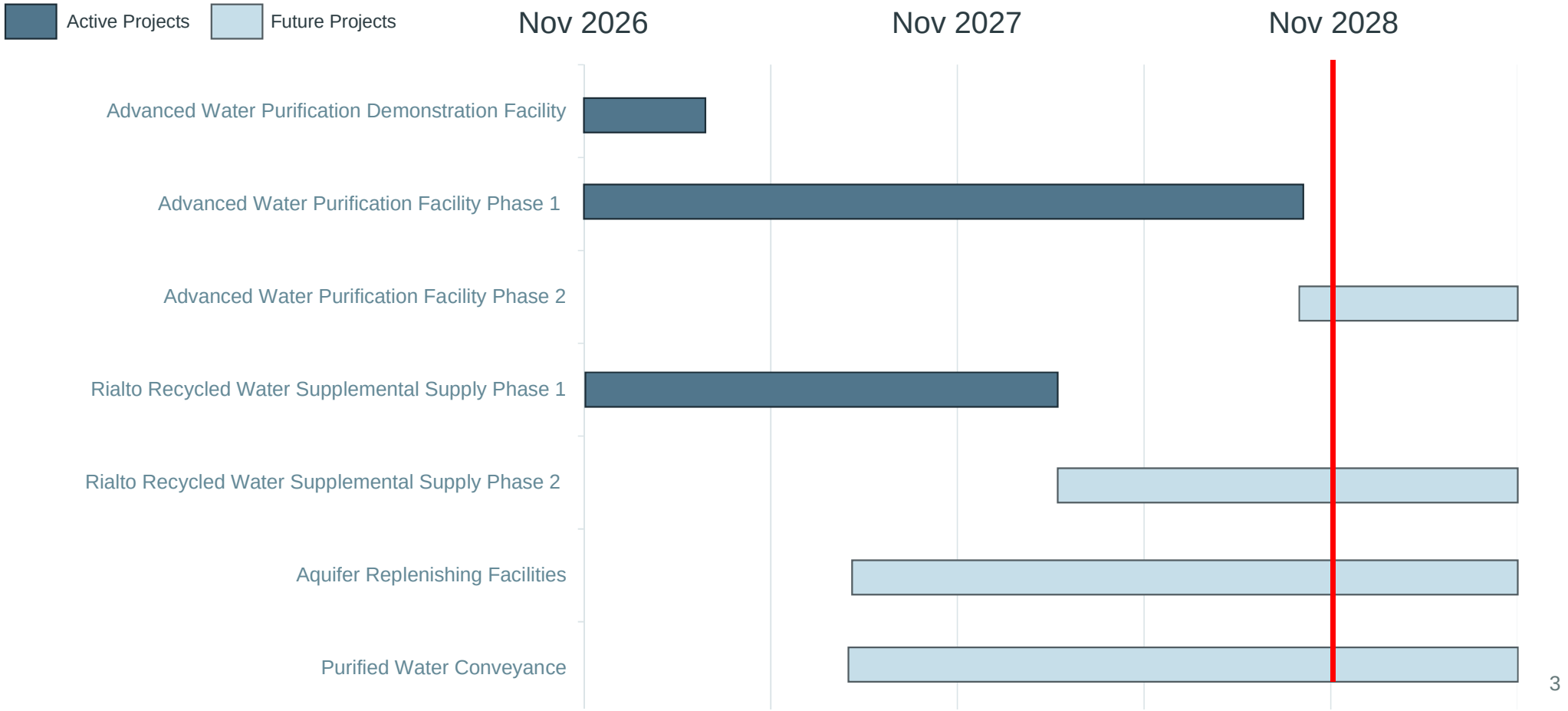


Congresswoman Norma Torres Check Presentation



Jacobs staff presenting at National Water Research Institute Panel

Scope of Services



Contract Amendment

- July 2023: Contract award for two-year term for not-to-exceed amount of $9,113,805
- November 2025: Amendment for one-year term for not-to-exceed amount of $6,451,926
- Amendment fees estimated for upcoming two-year period for a not-to-exceed amount of $10,987,137
- Original labor rates with 3% cost of living adjustment
- Includes ten subconsultants (half of which are small businesses), for approximately 23% of the fee



Potholing along Etiwanda Ave


Construction at Demonstration Facility

Projects' Budget and Schedule

Project Milestone	Date
Contract Amendment	November 2026
Contract Amendment End Date	November 2028

Description	Estimated Cost
PM/OE Services - Jacobs Contract Amendment	**$10,987,137**
Early Engineering for Recycled Water Facilities (EN25022)	$1,829,356
Early Engineering for Advanced Water Purification Facilities (EN25070)	$4,944,212
Purified Water Conveyance (EN28004)	$1,221,404
Advanced Water Purification Facility (EN28007)	$549,357
Replenishing Facilities (WR23001)	$1,221,404
City of Rialto Supplemental Supply (WR23002)	$1,221,404
Total Amendment Cost:	**$10,987,137**
Current Project Budget (EN25022):	**$23,000,000**
Current Project Budget (EN25070):	**$45,200,000**
Current Project Budget (EN28004):	**$39,000,000**
Current Project Budget (EN28007):	**$231,500,000**
Current Project Budget (WR23001):	**$142,000,000**
Current Project Budget (WR23002):	**$125,000,000**

Staff Recommendation

1. Approve a master services contract amendment with Jacobs Engineering Group, Inc. for the consulting program management and owner engineering services for Early Engineering for Recycled Water Facilities, Project No. EN25022, Early Engineering for Advanced Water Purification Facilities, Project No. EN25070, Purified Water Conveyance, Project No. EN28004, Advanced Water Purification Facility, Project No. EN28007, Replenishing Facilities, Project No. WR23001, and Recycled Water Interconnection to the City of Rialto, Project No. WR23002, for a not-to-exceed amount of $10,987,137, increasing the contract amount from $15,565,731 to $26,552,868; and
2. Authorize the General Manager to execute the contract amendment, subject to non-substantive changes.

This item aligns with Strategic Goal(s): Goal 1. Water Supply Reliability

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Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

MASTER SERVICES CONTRACT AMENDMENT NUMBER: 4600003420-005

FOR

CONSULTING PROGRAM MANAGEMENT AND OWNER ENGINEERING SERVICES

THIS MASTER SERVICES CONTRACT AMENDMENT FIVE is made and entered into this ____ day of _____, 2026, by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter interchangeably referred to as "IEUA" and "Agency") and Jacobs Engineering Group Inc. of Dallas, Texas (hereinafter referred to as "Consultant"), for professional engineering consulting services, shall revise the Contract as herein amended:

REVISE SECTION 4, SCOPE OF WORK AND SERVICES, ADDING A PARAGRAPH, TO READ: Consultant's additional services and responsibilities shall include and be in accordance with Consultant's Proposal, **Exhibit A,** which is attached hereto, referenced herein, and made a part hereof.

REVISE SECTION 5, TERM OF CONTRACT AND OPTION, ADDING A PARAGRAPH, TO READ: With the execution of Contract Amendment Number 4600003420-005, the termination date of this Contract shall be extended to November 3, 2028; unless agreed to by both parties, reduced to writing, and amended in this Contract.

REVISE SECTION 6, COMPENSATION, ADDING A PARAGRAPH, TO READ: In accordance with this Contract Amendment, Agency shall pay Consultant a **NOT-TO-EXCEED MAXIMUM of $26,552,868.00** for all services provided. This represents an increase of **$10,987,137.00** per Consultant's Proposal, **Exhibit A**, dated September 22, 2026, and as approved by SAP Purchase Requisition 10075702.

INLAND EMPIRE UTILITIES AGENCY: (A Municipal Water District)		**JACOBS ENGINEERING GROUP INC.:**	
_____	_____	Signed by: Cory Hooper 319FEA82792A4D6...	10/22/2026
Kevin L. Alexander	(Date)	Cory Hooper	(Date)
General Manager		SVP Operations, California, Americas	

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Exhibit A

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

Jacobs

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Suite #500
Irvine, CA 92612

www.jacobs.com

September 22, 2026

Adham Almasri, PE, PMP
Principal Engineer
Inland Empire Utilities Agency (IEUA)
6075 Kimball Avenue HQ-B
Chino, CA 91708

Subject: Amendment to Program Management/Owner Engineering Services for Chino Basin Program: Put Facilities

Dear Mr. Almasri,

We are delighted to continue supporting IEUA as the Program Manager/Owner's Engineer (PgM/OE) for the Chino Basin Program (CBP). We have reviewed the program schedule, planned work, and met with IEUA staff to update our scope of work to extend our support of IEUA over the next two years. We are pleased to submit a scope of work and not to exceed time and material (T&M) estimate to amend our current Agreement No. 4600003420. We request an increase of $10,987,137 and an extension of time to November 3, 2028.

Summary of estimated fees for period of performance from November 2026-November 2028 is:

2026-2028 PM/OE Summary	Totals
Task 1. Program Implementation Management	$ 1,966,356
Task 2. Program Controls	$ 1,348,700
Task 3. Engineering and Project Management	$ 5,360,472
Task 4. Contract Support, Project Packaging, Land Acquisition	$ 262,670
Task 5. Construction Management and Inspection Services	$ 1,424,611
Task 6. Environmental Studies and Regulatory Compliance	$ 650,985
Task 7. Public Outreach and Stakeholder Engagement	$ 792,308
Task 8. Additional IEUA Support	$ 181,036
SUBTOTAL	$ 11,987,137
Estimated Remaining Budget as of November 4, 2026 in Contract:	$ (1,000,000)
Total 2026-2028 Amendment	$ 10,987,137

Our team is excited to continue supporting project management of all the CBP projects, program controls, procurement support, grant support, permitting and environmental tracking, and public outreach. Our scope of work also includes 10 subconsultants for approximately 23% of the value

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of the amendment. From the contract initiation in July 2023, we have maintained our rate classifications and original rates, with the agreed upon 3% cost of living rate increase that is updated each Jan. 1st. We will continue to respect these classifications and rates, and kindly request a reclassification of four team members, who have had significant promotions over the past 3 years and have brought significant value to this program.

Jacobs Staff	July 2023 - Oct 2026 Original Classification	Nov 2026 - Nov 2028 Updated Classification	Justification
Renee Groskreutz	Principal Professional 1-PMO	Principal Professional 2-PMO	Renee was proposed as Deputy Program Manager and maintained lower rate for past 3 years; she has been performing as Jacobs Program Manager.
Tyler Kirkendall	Project Professional 1	Sr. Professional 2	Tyler has taken increasing levels of responsibilities and has been recognized for his work at CBP and other projects with a large promotion.
Quentin Clark	Principal Professional 1	Principal Professional 2-PMO	Quentin has significantly progressed the Rialto and starting the Purified water Conveyance as PM and has received a promotion.
Rich Sturn	Principal Professional 1	Principal Professional 2-PMO	Richard has performed as both the PM for wells the CM for monitoring wells and has received a promotion.

Please note that we continue to offer our proposal "PMO" rate for the Principal Professional 1 and 2, which is a discounted rate for those who charge more than 50% of their time to CBP.

We are committed to bringing you the right resources and solutions to support successful implementation of your program. Should you need more information, please contact us: Renee (903.216.8479, renee.groskreutz@jacobs.com) or Rich (213.500.2333, rich.nagel@jacobs.com).

Sincerely,

Jacobs Engineering Group Inc.

Renee Groskreutz, PE
Program Manager

Cory Hooper
SVP Operations, California, Americas

Attachment: Jacobs Amendment 4600003420-005

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Task Order Proposal

Contract: Recycled Water System Expansion-Chino Basin Program	**MSA Name:** PM/OE Master Services Contract **MSA Contract ID#:** 4600003420-05
Supplier: Jacobs Engineering Group	**Amendment Period of Performance:** November 4, 2026-November 3, 2028

Task Order Name: Program Implementation

Scope of Work

The purpose of this contract amendment is for Jacobs Engineering Group (Jacobs) to continue to provide Consulting Program Management/Owner's Engineer (Consulting PM/OE) services for IEUA's Recycled Water System Expansion (Program). This Program is the collective regional projects that make up the PUT side of the Chino Basin Program (CBP). Jacobs will continue supporting IEUA with implementation and capital delivery of the Program by providing the foundational resources needed. Resources include staff, subject matter experts, and program controls to ensure all major components of the program including:

- Advanced Water Purification Facility (AWPF)
- Advanced Water Purification Demonstration Facility (AWPDF)
- Recycled Water (RW) conveyance projects
- Aquifer Replenishing (AR) facilities,
- Purified Water Conveyance
- Take Facilities support and coordination, as needed

These projects will be designed, constructed, and commissioned in accordance with IEUA's guidelines and Program goals. This task order will cover a period of performance from November 2026 through November 2028. The high-level definition of this scope of work includes the following tasks. The level of effort is based on an estimate of full-time equivalents (FTE)s to support IEUA, FTE assumes 40 working hours per week, and 2000 hours per year (allowing 2 weeks off for holidays and vacation)

This Task Order includes the following main tasks:

1. Program Management and Administration
2. Program Controls
3. Engineering and Project Management
4. Contract Support and Project Packaging
5. Construction Management
6. Environmental and Regulatory Compliance
7. Public Outreach Support
8. IEUA Support of NWRI Panel and Other Studies

The following general assumptions apply to all tasks described below, while additional task-specific assumptions and deliverables are noted with each task description.

- The fee proposal is based on a two calendar year duration.
- IEUA will make its facilities and data accessible to the Jacobs team, as required and appropriate for Jacobs to complete our project activities.

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- All deliverables will be provided in electronic format.
- Deliverables and Program documentation will be uploaded to MS Teams Program folder or via CIPO for project specific documentation. Each document will be submitted with appropriate file convention.
- Jacobs has included hours and cost for each deliverable to have internal Quality Assurance and Quality Control (QA/QC) review and to have a Quality Manager to ensure consolidated and clear set of comments will be provided to PDB and Design Teams.
- The program will be managed while working closely with IEUA's staff especially the Advanced Water Treatment Program Manager under a hybrid PMO. Core leadership (Consultant Program Manager and Project Managers) will attend meetings in person (as appropriate), while the remaining team members will primarily attend meetings virtually, as feasible. The team will visit IEUA headquarters or project sites as requested.
- As part of the PM/OE scope, Jacobs will provide engineering support to facilitate consistency in design and provide technical guidance to IEUA on Program-related projects, activities, and planning. This includes review of design deliverables (by others) for conformance with the Program objectives and criteria. Jacobs does not assume professional liability for other Design Consultants' calculations or design decisions.
- The cost estimates developed for the pilot AR facility will be consistent with Class 1 estimates as defined by the Estimate Classification system of the American Association for the Advancement of Cost Engineering International (AACE International). Additional cost estimates to validate RFDs or check Contractor estimates will be developed as required by IEUA.
- This scope has been developed using our best judgement, however there may be a need to hold additional workshops that have not been identified in this scope, nor in the workplan. The scope, schedule, and budgets will be actively managed and monthly progress reports will be prepared and shared with IEUA to stay within the agreed upon not to exceed budget.
- IEUA acknowledges and agrees that in the performance of the Services, Jacobs may utilize its proprietary data, concepts, methods, techniques, processes, protocols, ideas, inventions, know-how, trade secrets, algorithms, software, works of authorship, software and hardware architecture, databases, tools, other background technologies and standards of judgment that Jacobs developed or licensed from third parties prior to the Effective Date (the "Pre-Existing Technology"). Subject to the terms and conditions of the Agreement, Jacobs hereby grants to IEUA a non-exclusive, non-transferable, royalty-free license under Jacobs' Intellectual Property Rights to utilize the Pre-Existing Technology for the purpose of IEUA's Project. IEUA shall not, and shall not allow any third party to: (i) modify or otherwise create derivative works of the Pre-Existing Technology; (ii) use the Pre-Existing Technology for any other purpose, other than the IEUA Project; (iii) make, have made, use, reproduce, license, display, perform, distribute, sell, offer for sale, service, support, or import any product that incorporates, embodies and/or is based upon the Pre-Existing Technology; (iv) sublicense, distribute or otherwise transfer to a third party any of the Pre-Existing Technology by itself or as incorporated into software or hardware; or (v) reverse engineer, disassemble, decompile or attempt to derive the source code or underlying ideas or algorithms of the Pre-Existing Technology. Any additional use of the Pre-Existing Technology shall require a separate written license agreement.

Task 1 – Program Management and Administration

Our team will provide a streamlined, Consultant PM/OE core leadership team, who will be the principal points of contact for IEUA, and who will provide clear team direction, communications, and continuity for implementing inter-related tasks as the program advances from concept through completion. The Jacobs Team will maintain the core leadership team and Program Management Plan

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(PMP) in Task 1 for the duration of the Program. The existing PMP will be updated as the program evolves and transitions from design to construction focused activities.

The following will be the components of this task:

- **Program management:** The Objective is to provide leadership, management and direction on all aspects of delivery to achieve IEUA's objectives throughout the life of the program.
- **Continued Chartering and Partnering:** The Jacobs team will prepare for and participate in chartering and partnering workshops with each Progressive Design Builder Team and Design Team that supports the program. Jacobs will support partnering efforts with the PDB teams and participate in partnering meetings and drive accountability and collaboration to drive solutions and project-first mentality for each project. Quarterly Program updates, monthly PDB partnering surveys, and Quarterly Partnering Executive meetings will continue to be supported.
- **Interested Parties and Ad hoc Meetings**: As needed, Jacobs will support CBP Interested Parties and Ad hoc meetings which occur on a quarterly basis.
- **Quality Management:** Jacobs will continue to implement the quality management system developed in the Program Management Plan (PMP) to manage quality at the Program and individual project levels. Jacobs will maintain the Design Management Plan that describes required activities of the design engineers, including QC processes, independent reviews, and collecting, organizing, and responding to review comments. A Construction Management Plan will be developed that clearly describes construction management processes related to QA and oversight of the PDB and construction contractors, prior to construction activities, and will be consistent with IEUA expectations and updated for risk profile for collaborative delivery and traditional delivery, respectively.
- **Asset Management Support:** Jacobs will support new projects content to the IEUA Asset Management Plan (AMP), including documentation of level of service, key performance indicators, and asset data such as capacity changes, asset summaries, and criticality scores. Provide new assets details and process flow details to assist in updating all relevant AMP sections and figures, including development of new sections for advanced treatment and pure water recharge facilities. Jacobs will guide the PDB to be consistent with IEUA's preventive maintenance approach and build out failure modes, work plans, and optimized preventative maintenance schedules for each asset and have this uploaded to CMMS. Jacobs will review and provide comments to Contractor's recommendations on Critical Spare Parts, consumables, and long lead replacements.
- **CBP Leadership Support:** At the discretion of IEUA Program Management and IEUA Senior Leadership Team (SLT), Jacobs will plan, participate, and/or facilitate strategy sessions to support the success of the CBP. Jacobs will engage its senior executive leaders and resources as appropriate and required to recommend alternatives and support IEUA in implementing proactive communications (internally and externally) and create sustainable transparent solutions. This task will also encourage supporting regional, state, and national conference abstracts, presentation development, and presentations to best support raising additional positive awareness of CBP.

Activities

This task includes:

- Communication, internal and external coordination, progress reports, strategic forecasting, and work planning.
- Attendance at a series of workshops, prepare detailed workplans for each task.
- Document the final decisions from IEUA, PM/OE, PDB, Design Consultants, and Contractors discussions regarding scope for each project, risks, cost validation, and provides a history of the program evolution.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

- Integrate IEUA design guidelines into design review protocols.
- Maintain and update PMP which will map and integrate with IEUA's processes and be available to IEUA staff and Jacobs Team. Jacobs will provide limited access, as coordinated and agreed with IEUA, to future design consultants, contractors, interested parties to encourage consistent delivery and clear communication throughout the life of the program.

Resources

The following roles will be provided under this task:

- ***Program Manager Advisor (1.0 FTE):*** Jacobs Program lead and Advisor to IEUA's Advanced Water Treatment Program Manager, IEUA's Senior Engineer, and IEUA's Associate Engineers.
- **Deputy Program Manager** (**0.5 FTE**): Jacobs Deputy Program Manager will support the Program Manager Advisor and all of IEUA's Program Management Team (PMT).
- ***Quality Manager and Support (0.1 FTE)***: Confirms all QA is performed on all projects and that comments and responses are consolidated, clear, and resolved.
- ***Asset Mgmt. Lead (0.05 FTE)***: Supports IEUA Asset Management team in incorporating new assets (MF, UVAOP, AR wells) into IEUA's system. Confirming that O&M expectations are met through the life of the program.
- ***Program Support (0.05 FTE):*** Provides overall program support and coordination of all services, meetings, and workplans to support the Program team.
- ***Staff Engineer (0.5 FTE):*** Provides program support and following up on details, coordination of meetings and meeting materials, support field investigations, coordination with O&M, trending water quality databases and sampling efforts, and general technical support.

Jacobs will engage **Rich-Consulting** as needed, to support Task 1 delivery and specifically lead the Partnering sessions with the PDB teams.

Deliverables

- Weekly PMT coordination meetings.
- Monthly progress report for Senior Leadership.
- Monthly invoice and progress report on Jacobs' activities.
- Provide guidance and support efforts and needs of the Program Team.
- Review Program Team deliverables prior to submission to IEUA.
- Workshop Agenda, presentation materials, meeting minutes and decisions
- Quarterly Implementation Workshops
- Initial Partnering Sessions and continued quarterly partnering check-ins
- Asset Management Project Closure Workbook for each project and corresponding documentation and support

Assumptions

IEUA will provide the following roles to support this task and the Program:

- Advanced Water Treatment Program Manager
- Senior Engineer
- Associate Engineers (2)
- Program Administrative Assistant

Task 2 - Program Controls

The Jacobs team will maintain a Program Controls System to deliver the Program, including cash flow projections, development and updates of a master schedule, budgets and expenditures, risk management, change management and a document management system. Regular project and program reviews will be conducted to review schedule, budget, cost, forecasting, resources and risks/opportunities. The following will be the components of this task:

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- **Controls Management**: Jacobs will coordinate with the project managers (PMs), eventual construction managers (CMs) to update, manage, and report schedule, budget and risk changes and requests to understand the impact to the Program.
- **Program Schedule:** Schedule management will include assessment and management to inform input on constraints, considerations, and forecasting. This will include the critical path schedule analysis, float analysis, resource leveling, cash flow and alternatives analysis.
- **Cost Reviews and Cost Estimating:** The objective of this task is to validate costs and to provide cost estimating as part of the early design phases and throughout the program. The Jacobs Team will prepare independent cost estimates for projects at various stages of design, as needed. The Jacobs team will review project budgets to determine budgeting needs for all Program and project delivery elements. Cost estimates will be prepared using typical soft costs from similar IEUA projects and Jacobs' Parametric Cost Estimating System. This information will feed into the cost-loaded master schedule. The Jacobs team will also evaluate allocated contingencies for each project. The existing Operating Cost model will be updated at major design deliverables to be consistent with PDB estimates and scope of facilities. The PDB's cost models will be reviewed and commented on at BODR, 30%, and 60% design levels and the GMP cost will be reviewed.
- **Value Engineering:** Jacobs will provide resources to review design packages for all projects and provide value engineering ideas and review cost estimates associated with VE ideas.
- **Resource Management**: Based on cost-loaded resource-loaded schedule, coordinate with O&M, Conveyance, Facilities, GWR staff to develop a clear staffing plan to support the new CBP facilities. Leveraging the cost-loaded schedule and comparable IEUA projects, Jacobs will identify scope and timing of required staff to support the construction, commissioning, and start-up phases of the individual projects under the Program. Specifically, Jacobs will provide recommendations on timing to onboard O&M staff, train, and confirm certification requirements to be prepared for operating the new AWPF.
- **Finance and Funding Management**: The objective is to support IEUA efforts in identifying, tracking and proactively managing funding applications and deadlines. Jacobs will support IEUA in tracking compliance with the grants and loans provisions during different phases of the projects and providing quarterly grants and loans progress update to the State and the lenders, in the specific format required.
- **Tailored Analytics and Comparative Techniques (TACT) Model:** Jacobs will develop the TACT model, which will include IEUA's overall CIP for real-time, visual, strategic decision making regarding CBP project implementation. The TACT model supports cost clarity with respect to project and program costs and affordability, timing of funding requirements and financial planning. The TACT model will be used to evaluate the cost-benefits of project sequencing options; demonstrate the feasibility of a compressed or extended program delivery timeline; calculate revenue shortfalls and impacts; manage risk and change management and provide support for bonds, grants, and low-interest loan programs. The TACT model will engage IEUA's finance department, and other interested IEUA groups so that appropriate criteria are modelled and aligned to ongoing rate study efforts.
- **Risk and Opportunity Management**: Jacobs will support continuous identification, analysis and proactive management and resolution of risk and opportunities. Jacobs will prepare Monte Carlo simulations on agreed upon risks to better quantify risk profile for the overall program. Jacobs will support consistent risk management across all projects under the Program. When needed, review estimates provided by the PDB to monetize the on-going risk items.
- **Performance Portal**: Develop and maintain a performance portal monthly that provides access to the program schedule, the individual project schedules, and cost budgets and monthly expenditures for each project and program.

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- **Change Management**: The benefits include establishing clear protocols, lines of authority and a system to evaluate change and how it may impact schedule, budget, and perception of the overall program. Maintain a change log of all requested changes on program and decisions on each request. Review each project decision log (maintained by others) to confirm the appropriate level of documentation of IEUA decisions. Prepare and maintain a decision log and change log for the overall Program.

Activities

The task includes:

- Monthly hybrid meetings to provide update on program progress, controls, and information needs.
- Update P6 on a monthly basis, provide reports, establish requirements for procurement, designers, and contractors' schedule requirements.
- Update overall cash flow projections and Program budget based on combination of all project estimates.
- Develop cost estimates for pilot well and update budgetary estimates for the new AR wells based on land improvements required.
- Evaluate Progressive Design Build (PDB) team's Early Work Packages (EWPs) and provide comments for IEUA's consideration.
- Support IEUA's funding applications with specific cash flow projections and schedule updates.
- Update Risk Register monthly and meet with project teams to status mitigation strategies. Establish Program contingencies based on risk model.
- Maintain Program change log, evaluate impacts of change.
- Maintain Program decision log.

Resources

The following roles will be provided under this task.

- ***Program Controls Lead (0.25 FTE):*** Manages all program controls activities and reporting.
- ***Scheduler (0.25 FTE):*** Manages critical path schedule for Program implementation. Works with project managers on schedule performance tracking. Reviews all designer and contractor schedules and provides comments.
- ***Cost Estimator - Cost (0.125 FTE)***: Manages costs related to Program implementation. Works with project managers on cost performance tracking and projections. Support IEUA in reviewing all open book cost estimates by the PDBs. The Cost Controller role will be to incorporate costs and provide cash flow projections to the Program as a whole and review cost estimates of individual projects (prepared by others).
- ***TACT Model Lead*** (**0.125 FTE**): Leads and manages the TACT model and team to develop, iterate, and inform strategies in cash flow.
- **Portal Development Lead (0.1 FTE):** Prepares the performance portal that captures the performance on schedule, budget, and scope as the program develops.
- ***Risk/Change Manager Advisor (0.16 FTE):*** Conducts risk workshops, maintains Program risk register, confirms that Project Managers are maintaining project risk registers, and communicates risk and works with Project Managers to address risk in contracts. Updates risk register monthly to reflect current projects and Program activities.

Jacobs will engage **KRD Management Consulting** to support this task.

Deliverables

- Coordination Meetings
- Monthly reports that provide a status update on all programmatic activities. Reports will

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include budget status at the programmatic level and for each project. Any significant variations from planned earned value (as exposed by the SPI and CPI parameters) will be reported, and recommendations for recovery will be identified. Reports will include a summary of the risk mitigation efforts, recommended adjustments to project budgets, or contingencies.

- Updates of the Program Master schedule and costs quarterly to track Program progress.
- Updated monthly Risk Register
- Decision Log, Change Log, Change Request Form saved on IEUA Teams
- Feedback on Open book Cost Estimate Reviews

Assumptions

- The Jacobs team assumes that P6 scheduling software will be used.
- Jacobs will use their Parametric Cost Estimating Software to develop detailed cost estimates, when requested.
- The need for change is documented as early as possible; and the change recognizes WBS, scope, cost and schedule alignment for all affected Program areas and projects and will follow appropriate authorization protocols.
- Individual Project Managers will work directly with designers and contractors to develop and update project-specific risk registers.

Task 3 – Engineering and Project Management

The Task 3 scope of work is organized by each of the PUT projects/facilities. The following will be the components of this task:

- **Task 3.1 - Advanced Water Purification Facility (AWPF)**: EN25070.00 - This task will include project management and leadership, technical review, support, and implementation of full scale AWPF. The focus for the next year will be the review of the PDB's detailed design development.
- **Task 3.2 – City of Rialto Supplemental RW Supply**: EN25022.01 This task will include project management and leadership, technical review, support, and development of all conveyance and pump station related project. This task will focus on the City of Rialto Recycled Water Supplemental Supply project implementation and detailed design development over the next 2 years.
- **Task 3.3 - Wells and Hydrogeology**: EN25022.02 This task will include project management and leadership, technical review, support, and development of all AR well and hydrogeology-related projects. This includes design and engineering services during construction of the pilot well, the technical components of the aquifer recovery RFP for design consultants, and the overall modeling to support the regulatory compliance of an IPR project.
- **Task 3.4 - Purified Water Conveyance:** EN25022.03 This task will include project management and leadership, technical review, support, and development of the scope and initial alignment to convey purified water to the anticipated new aquifer replenishing facilities to procure a design consultant for preliminary design report and detailed design of this project.
- **Task 3.5- Advanced Water Purification Demonstration Facility (AWPDF)**: EN25070.01 This will include the project management, leadership, technical review, and implementation of the AWPDF, test plan, coordination with the PDB on any design changes, engineering services during construction, and operational support during start-up and commissioning.
- **Task 3.6 – JCSD/WRCRWA RW Early Engineering:** EN25022.04 This task will include technical review, support, and feasibility analysis. Jacobs will support with the preparation of scope of work to bring on a design Engineer should the project move forward. However, it is

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anticipated that this project will be managed under IEUA CIP outside of the CBP program. This task will also include supporting water quality sampling program in IEUA's system to confirm feasibility of adding this additional source.

- **Task 3.7 – Extraction Facilities:** This task is to support and provide oversight and technical review of the existing or new extraction facilities and how they will impact the Title 22 Engineering Report for the IPR project. It does not provide the same level of Project Management day-to-day support that the other subtasks provide, because the Partnering Agencies will be responsible for implementation.

For each project, Primary Project Management responsibilities during the next year of the Program are detailed below:

- Scope, budget, schedule management and reporting
  - Review, manage and monitor design-builder or designer scope of work; monitor and track progress against scope of work and report progress monthly
  - Review, manage and monitor design-builder or designer budget; monitor and track project budgets and costs using Program tools; status project-level earned value progress and prepare EACs monthly; coordinate and facilitate value engineering reviews if needed
  - Develop and coordinate project level schedule; review, manage and monitor design-builder schedule; report status against schedule and provide monthly progress report
  - Coordinate with Program Controls to ensure the latest project information is reported monthly
- Risk management
  - Identify, develop, and maintain project level risks, definitions and assessments
  - Develop risk mitigation strategies
  - Coordinate with Risk Manager to provide risk updates to PMT
- Change management
  - Oversight and communication of project Decision Log
  - Negotiate and process consultant and contractor amendment requests; preparation of Change Request Form (CRF)
  - Control Scope by identifying and managing changes during design
  - Support development of materials for and presentation of CRFs to PMT
- Procurement, task order and contract management
  - Review of design-builder or designer proposed scope and fee
  - Administer and manage design-builder or designer (professional services) agreement
  - Preparation of contract amendments and change orders
  - Manage and approve design-builder invoices/payments
  - Resolution of design-builder contract issues/disputes
- Team leadership and management
  - Coordinate project involvement of Technical Advisors as appropriate
  - Coordinate and oversee design-builder or designer or other third parties during all phases
  - Inform PMT of progress and issues
  - Coordinate with other projects as needed
- Quality assurance
  - Verify design-builder implements quality control process
  - Confirm that designer builder has addressed review comments in subsequent deliverables

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

  - Coordinate and facilitate constructability and O&M review workshops
  - Coordinate input/reviews by Program Technical Advisors of all engineering deliverables.
  - Review and verify that design-builder deliverables meet scope and contract requirements
  - Coordinate and facilitate deep dive reviews
- Coordination and management of interested parties engagement
  - Coordinate and facilitate IEUA Staff/O&M review workshops/meetings
  - Coordinate and facilitate engagement with utility companies
  - Coordinate and facilitate engagement with IEUA Groups
  - Coordinate project-related public outreach activities with IEUA
- Coordination and management of communications and meetings
  - Coordinate and facilitate regular design-build coordination/project status meetings
  - Prepare and distribute meeting notes for managed meetings
  - Inform project team of Program activities and decisions
  - Coordinate and facilitate responses to information requests from all parties including public
  - Participate in regular Project Manager/Engineering Delivery review meetings
  - Participate in Phase 1 PDB alternatives analysis and design development workshops
- Document and records management
  - Maintain project-level document management on CIPO
  - Design-builder deliverable management – Quality assurance, distribution and storage on CIPO

Specific Roles and Responsibilities anticipated for design services and start-up specific tasks:

Task 3.3 - Wells and Hydrogeology

The subtasks identified for the pilot well construction and testing are as follows:

Subtask 3.3A – Design of Pilot Well

Jacobs will complete the design of the pilot well based on information gathered from the drilling of the nearby monitoring well.

Subtask 3.3B –Monitoring Well As-Builts

Jacobs will prepare As-Builts for this project from the red-lines made on the Conformed Plan Set by the driller.

Subtask 3.3C – Engineering Services During Construction for Pilot/Monitoring Wells

Jacobs will provide the following support during construction of the monitoring and pilot wells:

- Shop drawing submittal review
- Respond to requests for information (RFIs)
- Issue engineering clarifications (as required)
- Support the coordination with IEUA O&M and facilities.
- On-site inspection services and construction management provided in Task 5 – Construction Services.

Subtask 3.3D – Start-up and Commissioning

Jacobs will develop a test plan and sampling plan for the water quality of the monitoring well and the drilling efforts for both the monitoring and pilot wells. Jacobs will support drilling efforts to obtain the necessary information to inform design and share that with the design Consultants for the other 8 wells.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

Task 3.5 - Advanced Water Purification Demonstration Facilities

The subtasks identified for the AWP Demonstration Testing are as follows:

Subtask 3.5A – AWPDF As-Builts

Jacobs will prepare the As-Builts for this project from the red-lines made on the Conformed Plan Set by the contractor. The design drawings will be modified by adding the field markups to prepare the "As-Built" drawings. Field markups, or redlines, will be provided by the Contractor. Deliverable will be shared to CIPO and Teams and include the As-Builts drawings in CAD and PDF format.

No field verification or field measurements are assumed to be required by Jacobs to complete the record drawings, and it is assumed that all field markups will be provided by the Contractor. It is assumed the Contractor will provide consolidated and deconflicted field markups in the form of "red lines" for incorporation into the record drawings set.

Subtask 3.5B – Services during AWPDF Construction

Jacobs will provide the following support during construction of the AWPDF by the PDB:

- Shop drawing submittal review
- Respond to requests for information (RFIs)
- Issue engineering clarifications (as required)
- On-site inspection services and construction management provided in Task 5 – Construction Services.

Subtask 3.5C – Demonstration Start up and Commissioning Support

To kick-off the demo testing operations support, Jacobs will prepare for and attend one Demonstration Testing Chartering Session prior to the beginning of operations. The goals of the Demo Testing Chartering Session will be to align IEUA, the PDB, and Jacobs' roles and expectations throughout the demonstration start-up, commissioning, and operation.

The Jacobs team will provide demonstration operational guidance, support, and review the following documents with support from the PDB team and equipment suppliers:

- Demonstration commissioning plan, which will address the following:
    - Equipment Installation and Demo Plant Setup
    - Confirm Operations and Calibrate Equipment
    - Establish Operating Procedures
    - Initial Start-up and Commissioning Operating Period
- Review PDB provided O&M manuals, developed from the equipment suppliers and support development of standard operating procedure (SOP) documents for key demo testing tasks.
- Finalize the Demonstration Testing Plan based on NWRI Independent Advisory Panel and PDB input on timing of tests and approach to maximize recovery.
- Prepare a clear Operations Plan for ongoing operations of the Demonstration Facility, with clear daily rounds, trouble-shooting, and data collection needs.
- On-site support by Trussell process lead during start-up and commissioning and early testing, and on-going trouble-shooting and data analysis and trending for the first year, and as needed through the contracted period.

Assumptions: For testing, IEUA will procure necessary laboratory equipment for set-up of a demo laboratory space to support testing. IEUA shall retain ownership of all laboratory equipment purchased for the demo testing. IEUA will also obtain chemicals and other consumable items to support the operation of the demo plant. IEUA will procure items necessary for any equipment that requires replacement during testing. IEUA will be responsible for all laboratory tests, including

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

tested required to be performed by outside laboratories. IEUA will be responsible for all power and disposal costs. The AWPF PDB will be responsible for procuring all demo testing equipment, interconnecting the demo to the existing systems based on the final design documents. Following commissioning, demonstration operations will be led by IEUA, with support from Jacobs. Although collaboratively developed between Contractor, Equipment suppliers, and Jacobs; Jacobs will be responsible to communicate and enforce timing expectations for all documents development, draft and final submissions: SOP's, spare part lists, lab support plan, alarm functionality, Preventative Maintenance (PMs), O&M Manuals, Start-up and Commissioning Plans, and Demonstration Test plan. Training will be provided to IEUA Operations prior to turning over facility.

Resources

The following roles will be provided under this Task 3:
PMs:

- ***AWPF Project Manager (0.5 FTE)***
- ***AWPDF Project Manager (0.275FTE)***
- ***Conveyance Project Manager (0.5 FTE)***
- ***Aquifer Replenishing Facilities Project Manager (0.5 FTE)***
- ***WRCWRA/JCSD Project Manager (0.15 FTE)***
- ***Take Facilities (0.05 FTE)***

SMEs:

- ***AWPF SMEs and Discipline Design Leads (0.2 FTE)***
- ***AWPDF SMEs and Discipline Design Leads (0.2 FTE)***
- ***Conveyance SMEs and Discipline Design Leads (0.2 FTE)***
- ***Wells SMEs and Discipline Design Leads (0.2 FTE)***
- ***Aquifer Replenishing Optimization SME (0.2 FTE)***
- ***Start-up and Commissioning Support for Demonstration Facility (0.25 FTE)***

Jacobs will engage **Trussell Technologies, Scheevel Engineering, and Intera**, as needed, to support Task 3 delivery.

For **PDB Submittal Reviews**, Jacobs will engage additional Senior Design Engineers to provide review comments as needed; for estimating purposes, the following engineers are anticipated:
Paul Swaim (overall SME, UVAOP), Larry Schimmoller (overall AWPF), Mike Hwang (MF), Jim Lozier (RO), Ryan Campbell (chemical systems, process Mechanical), Gino Nguyen (civil),
Geoffrey Kirsten (architectural), Sterling Rose (structural), John Godak (building mechanical), Jim Landman (electrical), Brittany Moore (I&C), Ping Tian (geotechnical), Bill Fox (survey), Raheel Hussain (pump station design), Matt Franck (environmental compliance), Jordan Vazquez (conveyance, pipeline hydraulics).

Deliverables

- Provide timely review of all submittals by the PDB or Design consultant through CIPO.
- Provide additional technical review and memos to support and guide IEUA decision making.
- Management of design-builder or design consultant.
- Coordinate review of designer-build deliverables.
- Meet with design-builder at least weekly to review project progress.
- Provide information for monthly project performance and status updates to program controls, on a routine basis.

Assumptions

- Biweekly PM coordination meetings will be held virtually.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

- Monthly project progress reports will be provided using template provided.
- PMs will engage IEUA staff decisions on all fiscal decisions and will keep IEUA informed of all project progress, considerations, changes, and risks.
- CIPO is the preferred document management system by IEUA and will be used by each PM.
- SMEs will be engaged to provide consultation and support to the PMs, as needed.

Task 4 – Contract Delivery Support and Project Packaging

An important component of successful delivery will include supporting IEUA and proactively managing the contractual requirements and scope of the design and construction contractors as well as determining the appropriate delivery method for each project. The following will be the components of this task:

- Project Delivery Strategy and Management of Procurement: Scheduling and providing guidance on timing of procurement packages and approaches to streamline design, construction, and PDB delivery of packages.
- Review of GMPs and Amendment to PDB contract for Phase 2 work: Jacobs will support the CAP team in developing clear scope of work and negotiating the terms and requirements for the Phase 2 portion of the PDB contract.
- Support of Project Packaging: Each of the PMs will support the Program in identifying project specific requirements that legal counsel will need to incorporate into the contract language. We will support scoping of each project and the development of RFQ and RFP documents.
- ROW/Real Estate: The right of way requirements and schedule implication will be managed proactively. Epic Land Solutions will support identifying land use needs for wells and conveyance and anticipate opportunities and risks.

Activities

The task includes:

- Providing guidance on scheduling procurement packages and providing collaborative delivery best practices.
- Preparing project-specific contract documents (RFQs and/or RFPs) for consultants and contractors using approved IEUA developed standard documents.
- Reviewing contractor and consultant supplied RFQs/RFPs and assisting IEUA and legal counsel in making award recommendations.
- Review terms of the GMP and Phase 2 Contract for PDB contracts.
- Supporting land acquisition efforts and ROW needs.

Resources

The following roles will be provided under this task:

- ***Procurement Lead (0.05 FTE) –*** Responsible for working with PMs to consolidate scope requirements and incorporate into IEUA standard templates. Prepare draft and final and work with IEUA CAP to schedule and implement the procurement activities.
- ***Land Acquisition Lead (0.05 FTE)*** – Identify and manage easements, right of way, and land needs for the conveyance and well projects.
- ***Procurement SME (0.05 FTE)*** – Review overall procurement strategy and provide guidance to IEUA, as needed.

Jacobs will engage **Epic Land Solutions**, as needed to support Task 4.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

Deliverables

- Meetings with CAP and support of procurement reviews, interviews, and technical input.
- RFQ, RFP support

Assumptions

- Assumes developing clear scope of works, objectives, and timing.
- Assumes IEUA CAP team and IEUA engineer will process PR requests and OE will provide technical and strategy support.
- 3rd party legal counsel will be contracted directly with IEUA, as needed.

Task 5 –Construction Management and Operations Liaison

For the purposes of the 2026-2028 scope, it is assumed that field activities will be required to observe construction of the Demonstration Facility, pilot well, and initial field work for the early work packages (EWP)s of the PDB.

Inspection resources will be provided as well as early engagement of operations and maintenance.

- **Construction Management Services**: Jacobs will provide construction management services during the monitoring and pilot well implementation.
- **Inspection Services:** Jacobs will provide inspection services for AWPDF, monitoring well, and pilot well in the field and support daily logs in CIPO.
- **O&M Engagement and Support:** O&M reliability review of new assets. For consistency, develop O&M training and O&M Manual requirements for each new facility. The training and manuals will be the responsibility of the PDB or Contractor, but the requirements and expectations will be developed by OE. Apply IEUA maintenance planning process (under development) for new assets to identify preventive maintenance plans and recommended frequencies. Identify O&M resource needs based on guidelines from Engineering Design Standards. Increase in person support at AWPDF during start-up and commissioning to train O&M staff, troubleshoot issues, implement the Demonstration Test Plan, and fine tune the SOPs. Significant effort will be required to coordinate all the samples with the lab and support the team in Task 3.5C with in person coordination with O&M staff.

Resources:

The following roles will be provided under this task:

- ***Construction Manager (0.5 FTE):*** To participate in construction meetings and manage document reviews and approvals in CIPO for the Monitoring and Pilot Wells
- ***Construction Inspectors (1.0 FTE):*** To provide daily inspection reports and documentation on behalf of IEUA on field activities: Demonstration Facility, Pilot Well, Monitoring Well, potholing and boring
- ***O&M Liaison and Start-up and Commissioning Lead (1.5 FTE):*** To provide support and review of Contractor's tie-in plan and Commissioning plans.

Assumptions:

- Assumes full-time inspector for remaining AWPDF construction and start-up and commissioning, Monitoring Well and Pilot Well constructions, and early field investigations for Rialto conveyance and AWPF. This inspector will be shared amongst the projects and check on all projects, as needed.
- Detailed HSE plan will be prepared, reviewed, and submitted to IEUA prior to any staff in the field for each specific construction activity involving Jacobs staff.
- Other contractors and subconsultants will be responsible for their own HSE.
- All field activities will follow labor compliance requirements.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

- In person O&M support for start-up, commissioning, and implementing the test plan for the AWPDF will support and liaison with the efforts defined in Task 3.5C engineers effort.
- Inspector trailer and work space will be provided by IEUA (or Contractor), and required access to CIPO will be granted.
- Field Truck expenses and other specialty equipment for inspection will be covered by IEUA at direct cost basis.

Task 6 – Environmental - Regulatory

The following will be the components of the Environmental - Regulatory task:

- 1211 Petition: Jacobs will support IEUA in the process of responding to questions from the Wastewater Discharge Petition and monitoring IEUA and City of Rialto's petitions.
- Permitting Matrix: The Jacobs team will update and maintain the permitting matrix, as necessary. The matrix will include the required permits for all program elements, including agency contact information, required information and understanding of prerequisites, estimated permit acquisition timeframes, and anticipated permit application and any ongoing fees.
- Permit Applications: The Jacobs team will support IEUA in coordinating with interested parties and permitting agencies activities and tasks necessary to secure permits and approvals for the future construction and operation of CBP facilities. All construction related permits will be the responsibility of the Contractors.
- Environmental Liaison: It is understood that IEUA will continue to have Tom Dodson and Associates prepare documentation for compliance with the California Environmental Quality Act (CEQA). Jacobs will develop a process with IEUA to be able to collaboratively work with Tom Dodson and Associates so that there is a comprehensive CEQA compliance and regulatory strategy that supports funding, delivery, interested parties engagement and permitting activities. This effort will culminate in a tracking tool (excel spreadsheet) that tracks compliance and implementation of the contractors with MMRP.
- DDW/RWQCB Regulatory Engagement: The Jacobs team will engage regulators on a quarterly basis to establish trust and guidance throughout implementation of the PUT projects. This task includes preparation of required submittals and coordination with State Water Resources Control Board's (SWRCB) Division of Drinking Water (DDW) and the Santa Ana Regional Water Quality Control Board (RWQCB) in order to obtain regulatory concept approvals for the discharge of advanced treated water.
- Title 22 Draft Engineering Report: the Jacobs team will develop a draft Engineering Report with the help of the technical information from the AWPF PDB, and the input from the quarterly meetings. This engineering report will define the project scope, boundaries, and regulatory compliance approaches. It will include groundwater modeling and will identify major equipment manufacturers for the main treatment processes.
- Los Angeles County Sanitation District (LACSD) Coordination: The Jacobs team will continue to support IEUA in bimonthly meetings with LACSD to discuss brine flows and water quality considerations.
- Enhanced Source Control: The Jacobs team will work with IEUA and the City of Rialto to develop an Enhanced Source Control approach for both entities to meet the requirements established within Section 60320.206 of Title 22 of the California Code of Regulations.

Resources:

The following roles will be provided under this task:

- ***Regulatory Lead (0.2 FTE)*** – To coordinate all activities and confirm progress of all environmental and regulatory components of the program.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

- ***Environmental Liaison (0.1 FTE)*** – Provide the schedule roadmap between the EIR mitigation measures and each individual project to help interpret the environmental efforts by Tom Dodson & associates for implementation.
- ***Enhanced Source Control Support (0.06 FTE)*** – Support the review and enhancement of the source control program at IEUA and City of Rialto to meet the requirements for Indirect Potable Reuse.
- ***Section 1211 Petition (0.04 FTE)*** - Continue to advance the IEUA Section 1211 change petition, including resolution of agency comments.
- ***Title 22 Engineering Report Lead (0*.1 FTE) – Lead the efforts to pull together the draft Engineering Report.

Jacobs will engage **Trussell Technologies** (T22 draft report) and Intera (modeling) as needed to support the Title 22 Engineering Report development. Jacobs will engage Scheevel Engineering to support the resolution of Draft 1211 petition comments.

Deliverables

- Update permitting matrix
- Preparation and submittal of permit applications with supporting documentation as indicated in the permit matrix for the CBP facilities, which are required. Requirements of permit applications will be identified for subsequent years with a clear implementation schedule and responsibilities.
- Prepare meeting materials and conduct quarterly workshops with regulators (DDW, RWQCB)
- Conduct coordination meetings and provide progress on regulatory components

Assumptions

- Jacobs will be responsible for tracking and implementing the permitting matrix, and for preparing permit applications as agreed upon with IEUA and within available task budgets. For those non-anticipated permits, Jacobs will provide a strategy and schedule to complete.
- Assumes IEUA will review and provide guidance on permit applications. IEUA will be responsible for all permit fees.
- Jacobs team will support IEUA in responding to comments and protests on the 1211 permit application.

Task 7 – Public Outreach

The following will be the components of this task:

- IEUA Support: Jacobs will provide support, scoping, and coordination for interested parties engagement efforts through the life of program, as needed and directed by External Affairs (EA).
- Messaging: Communications support includes key message development, graphics, branding, public education materials, social media, and raising awareness of CBP benefits by using a demonstration project to help the public understand and support the program. The outreach consultants will also serve as the in-person public engagement team, delivering messaging directly to the community at events, meetings, and interested parties presentations.

Activities

The task includes:

- Monitor and update CBP Website, CBP Informational Portal, and CBP Storymap.
- Support development of social media collateral for EA staff to post on social media
- Review and provide recommendations to existing Outreach Plan, refined list of interested parties (Internal/External)
- Lead coordination and outreach efforts to secure letters of support and testimonials for the program.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

- Support development of general and specific strategy for community and interested parties engagement in coordination with IEUA.
- Develop presentation materials for a roadshow and participate in town halls, events, meetings, university outreach, and engaging workshops to communicate to the region on the CBP.
- Serve as the primary, on-the-ground extension of IEUA at public events, community meetings, ribbon cuttings, roadshow efforts, and other engagements where CBP may benefit from increased public awareness and support. This includes actively coordinating with interested parties and the public, managing event planning and logistics, and presenting key messaging, under the direction and oversight of EA staff.
- Design and procure educational experience for AWPDF – including design, signage, and equipment necessary to host members of the public, key interested parties, and school age youth tours.
- Document project milestones through photo, video and content collection for use in outreach and reporting efforts.
- Support public outreach efforts for the City of Rialto Supplemental Recycled Water Supply project and communications with homeowners and local businesses.

Resources

The following roles will be provided under this task:

- ***Public Outreach Lead (0.5 FTE)*** – To coordinate all activities and confirm progress of all interested parties engagement and public outreach activities.

Jacobs will engage **Arellano Associates and Bodewell Group,** as needed to further support efforts.

Deliverables

- Organize and manage weekly check-in meetings with EA to discuss upcoming events, deliverables, and project updates.
- Develop and distribute a "project update" bulletin to be emailed quarterly
- Update templates for fact sheets, brochures, banners, and other collateral materials, as requested.
- Provide recommendations for updates to project web pages and manage CBP website, portal, and storymap.
- Develop and maintain internal and external presentation materials, where appropriate.
- Lead coordination and outreach to continue to secure letters of support and testimonials for the program.
- Develop and maintain fact sheet and frequently asked questions materials.
- Design and deliver educational materials, interpretive signage, and interactive displays for the AWPDF, supporting community tours and field trips.
- Develop additional outreach materials, tools, or digital content as directed by EA staff to support the programs evolving needs.
- Lead and support roadshow implementation to local townhalls, labor unions, higher education, healthcare organizations, and NGOs.

Assumptions

- IEUA will purchase printing services, mailing list, mailings, advertising and rental space
- Identify gaps and provide knowledgeable specialists to support efforts.
- EA staff will lead all public outreach and interested parties engagement, Jacobs team will coordinate the outreach activities, deliverables, and augment resources, as needed and within allowable budgets. At times, outreach consultants will serve as the primary, on-the-ground extension of IEUA staff when requested, under the direction of EA.
- Coordination meetings will be held weekly or as needed, depending on the phase and level of project activity.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

Task 8–IEUA Support and Requested Engineering Studies and BCEs

The following will be the components of this task:

- Water Quality Compliance Scenario Planning: Jacobs team will continue to support the scenario planning effort led by IEUA Water Resources Planning Group.
- IEUA Support of NWRI panel: Jacobs will provide additional engineering support as requested by IEUA to gather technical documents and summarize for NWRI review and comment. We will support the presentation of the documents, participation in meetings, and response to NWRI panel comments.
- BCE Evaluations: Jacobs will support additional business case evaluations (BCEs) requested by IEUA to support decision making.

Resources

The following roles will be provided under this task:

- ***PMs and SMEs*** – (0.2 FTE) – assumed number of hours to be shared by team members and tracked and reported as a separate task.

Jacobs will engage all our Team partners to support this task, as needed.

Fee

The total fee is based on the FTEs indicated in the SOW and summarized in Attachment A. We provide the estimate as a basis of how we developed the total not to exceed value, however our team will continue to collaborate with IEUA to prioritize and support program delivery.

Schedule

Jacobs will work with IEUA to meet all program schedule expectations. The period of performance extends Jacobs schedule from November 2026 to November 2028.

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

IEUA Chino Basin Program - Jacobs Team

2026-2028 PM/OE Summary Table	
Task 1. Program Implementation Management	$ 1,966,356
Task 2. Program Controls	$ 1,348,700
Task 3. Engineering and Project Management	$ 5,360,472
Task 4. Contract Support, Project Packaging, Land Acquisition	$ 262,670
Task 5. Construction Management and Inspection Services	$ 1,424,611
Task 6. Environmental Studies and Regulatory Compliance	$ 650,985
Task 7. Public Outreach and Stakeholder Engagement	$ 792,308
Task 8. Additional IEUA Support	$ 181,036
Subtotal	$ 11,987,137
Estimated Remaining Value of Existing Contract as of 11/4/26:	$ (1,000,000)
Total 2026-2028 Amendment	$ 10,987,137

Docusign Envelope ID: 80998203-1985-8D20-80BC-D7ED698BED4F

IEUA CBP - Recycled Water Program Expansion

2026-2028- PM/OE Detailed Cost Estimate

	Rich Nagel	Renee Groskreutz	Jenifer Call	Tyler Kirkendall	Tia Balala	Eric Habermeyer	Mostafa Masoud	John DeWolf	Tat Au	Michael Manichich	Vlad Vlasov	Melanie Holmer	Tyler Kirkendall	Quentin Clark	Rich Sturn	Zita Yu	Monica Morales	Paul Swaim	Qinghan Wang	BJ Lechler	Mike Hwang	Design Discipline SME	Michelle Green	Alex Waite	Jenn Mendoza	Jimmy Nguyen	Josh Rosenberg	Alex Waite	Ruoren Yu	Matt Franck	George Valenzuela	Austa Parker	Natalie Monroe	Felicia Rubright	Katie Miller	Technical SMEs	Staff Professional Support	Technicians	KRD Consulting	Trussell	Schaenel Engineering	C-below	INTERRA	Epic Land Solutions	Arrellano	Public Education	Bodewell	Rich Consulting	Jacobs Labor Hours	Jacobs Labor Cost	Jacobs Expenses	Sub Cost	Markup on all Sub Costs	Total Cost
2026 Billing Rate	$328	$289	$170	$241	$142	$238	$274	$234	$238	$306	$241	$306	$241	$289	$289	$306	$198	$306	$234	$274	$274	$241	$306	$241	$208	$218	$218	$241	$241	$306	$170	$274	$191	$147	$98	$274	$208	$137	Subconsultants														
2027 Billing Rate	$338	$298	$176	$249	$147	$225	$283	$288	$225	$316	$249	$316	$249	$298	$298	$316	$197	$316	$288	$283	$283	$249	$316	$249	$215	$225	$225	$249	$249	$316	$176	$283	$197	$152	$102	$283	$215	$142																
2028 Billing Rate	$349	$307	$182	$257	$152	$232	$292	$298	$232	$326	$257	$326	$257	$307	$307	$326	$203	$326	$298	$292	$292	$257	$326	$257	$222	$232	$232	$257	$257	$326	$182	$292	$203	$157	$106	$292	$222	$147																
	Task 1-Program Administration						Task 2-Ppm Controls					Task 3-Engineering & Project Management											Task 4-Procurement			Task 5 - CM				Task 6-Compliance			Task 7-Public Outreach			Task 8-Additional Support																				
Task 1. Program Implementation Management																																																						
1.1 Program Management	160	3400	204	800	2000																																												6564	$ 1,613,092	$ -	$ -	$ -	$ 1,613,092
1.2 Chartering and Partnering		50					50				50	50	50	50	50	50												50					50														75,000	550	$ 155,053	$ -	$ 75,000	$ 3,750	$ 233,803
1.3 Quality Management		75																																200	200													475	$ 73,993	$ -	$ -	$ -	$ 73,993
1.4 Asset Management						200																																											200	$ 45,468	$ -	$ -	$ -	$ 45,468
Task 01 Subtotal	**160**	**3525**	**204**	**800**	**2000**	**200**	**50**	**0**	**0**	**0**	**50**	**50**	**50**	**50**	**50**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**50**	**0**	**50**	**0**	**0**	**50**	**200**	**200**	**0**	**0**	**0**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 75,000	**7789**	**$ 1,887,606**	$ -	**$ 75,000**	**$ 3,750**	**$ 1,966,356**
Task 2. Program Controls																																																					
2.1 Controls Management							1950																																										1950	$ 557,712	$ -	$ -	$ -	$ 557,712
2.2 Program Schedule																																							170,000											0	$ -	$ -	$ 170,000	$ 8,500	$ 178,500
2.3 Cost Validation and Cost Estimating								500																																									500	$ 143,003	$ -	$ -	$ -	$ 143,003
2.4 TACT Model - Finance and Funding										500																																								500	$ 159,670	$ -	$ -	$ -	$ 159,670
2.5 Risk and Opportunity Management											580																																							580	$ 145,970	$ -	$ -	$ -	$ 145,970
2.6 Performance Portal									400																																									400	$ 90,935	$ -	$ -	$ -	$ 90,935
2.7 Change Management		75		200																																														275	$ 72,910	$ -	$ -	$ -	$ 72,910
Task 02 Subtotal	**0**	**75**	**0**	**200**	**0**	**0**	**1950**	**500**	**400**	**500**	**580**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	$ 170,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**4205**	**$ 1,170,200**	$ -	**$ 170,000**	**$ 8,500**	**$ 1,348,700**
Task 3. Engineering and Project Management																																																					
3.1 AWPF												1950	800				400	80		50	400																				300,000										3680	$ 1,089,636	$ -	$ 300,000	$ 15,000	$ 1,404,636
3.2 Conveyance and Pump Station														1950				120																								480,000									2070	$ 621,282	$ -	$ 480,000	$ 24,000	$ 1,125,282
3.3 Wells and Hydrology															1950																												80,000	120,000							1950	$ 586,962	$ -	$ 200,000	$ 10,000	$ 796,962
3.3A Design of Pilot Well																				300		350																													650	$ 173,887		$ -	$ -	$ 173,887
3.3C SDC - Monitoring Well																						150																100		200											450	$ 95,085		$ -	$ -	$ 95,085
3.4 Purified Water Conveyance															800																																			800	$ 240,805		$ -	$ -	$ 240,805
3.5 Demonstration Facility																1000																																			1000	$ 319,340	$ -	$ -	$ -	$ 319,340
3.5A 100% Drawings																						300																150		400											850	$ 175,871	$ -	$ -	$ -	$ 175,871
3.5B SDC - AWPDF																					100	150																			100,000										250	$ 66,351	$ -	$ 100,000	$ 5,000	$ 171,351
3.5C AWPDF Operations Support																					100																			675,000										100	$ 28,601	$ -	$ 675,000	$ 33,750	$ 737,351
3.6 JCSD/WRCRWA RW Early Engineering																	300																																			300	$ 59,701	$ -	$ -	$ -	$ 59,701
3.7 Take Facilities															200																																			200	$ 60,201	$ -	$ -	$ -	$ 60,201
Task 03 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1950**	**800**	**2750**	**2150**	**1000**	**300**	**400**	**200**	**300**	**250**	**1350**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**250**	**0**	**600**	$ -	**$ 1,075,000**	**$ 480,000**	**$ 80,000**	**$ 120,000**	$ -	$ -	$ -	$ -	$ -	**12300**	**$ 3,517,722**	$ -	**$ 1,755,000**	**$ 87,750**	**$ 5,360,472**
Task 4. Contract Support, Project Packaging, Land Acquisition																																																					
4.1 Project Delivery Strategy																							200																												200	$ 63,868	$ -	$ -	$ -	$ 63,868
4.2 Project Packaging																								200																											200	$ 50,334	$ -	$ -	$ -	$ 50,334
4.3 ROW/Real Estate																									200																										200	$ 43,468	$ -	$ -	$ -	$ 148,468
Task 04 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**200**	**200**	**200**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	$ -	$ -	$ -	$ -	$ -	$ -	$ 100,000	$ -	$ -	$ -	**600**	**$ 157,670**	$ -	**$ 100,000**	**$ 5,000**	**$ 262,670**
Task 5. Construction Management and Inspection Services																																																					
5.1 Construction Administration																																																			0	$ -	$ -	$ -	$ -	$ -
L5.26 Prevailing Wage Inspection - AWPDF																										0	600																									600	$ 136,403	$ 30,000	$ -	$ -	$ 166,403
L5.26R Prevailing Wage Inspection - Rialto																										600	0																									600	$ 136,403	$ 30,000	$ -	$ -	$ 166,403
L5.27W Prevailing Wage Inspection - Wells																										2200	600																									2800	$ 636,546	$ 30,000	$ -	$ -	$ 666,546
5.3 O&M Engagement and Support																										0	0	400																									400	$ 100,669	$ -	$ -	$ -	$ 100,669
5.4 Field Start-up and Commissioning																												1250																									1250	$ 314,590	$ 10,000	$ -	$ -	$ 324,590
Task 05 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2800**	**1200**	**1250**	**400**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**5650**	**$ 1,324,611**	**$ 100,000**	$ -	$ -	**$ 1,424,611**
Task 6. Environmental Studies and Regulatory Compliance																																																					
6.1 Permitting Matrix + Env. Liaison																														300	800																			1100	$ 238,205	$ -	$ -	$ -	$ 238,205
6.2 T22 Report																		40			40													40	40	40	20	20			250,000									240	$ 53,158	$ -	$ 250,000	$ 12,500	$ 315,658
6.3 1211 Application																															80																			80	$ 14,240	$ -	$ -	$ -	$ 14,240
6.4 Permit Application Support																															80																			80	$ 14,240	$ -	$ -	$ -	$ 14,240
6.5 Enhanced Source Control																																240																			240	$ 68,641	$ -	$ -	$ -	$ 68,641
Task 06 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**0**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**300**	**960**	**240**	**0**	**40**	**40**	**40**	**20**	**20**	$ -	**$ 250,000**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**1740**	**$ 388,485**	$ -	**$ 250,000**	**$ 12,500**	**$ 650,985**
Task 7. Public Outreach and Stakeholder Engagement																																																					
7.1 IEUA Public Outreach Support																																	1200															60,000		1200	$ 238,805	$ -	$ 60,000	$ 3,000	$ 301,805
7.2 Event, Meetings, Major Workshops																																	500													175,000					500	$ 99,502	$ -	$ 175,000	$ 8,750	$ 283,252
7.3 AWPDF Educational Support																																	250														150,000			250	$ 49,751	$ -	$ 150,000	$ 7,500	$ 207,251
Task 07 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1950**	**0**	**0**	**0**	**0**	**0**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 175,000	$ 150,000	$ 60,000	$ -	**1950**	**$ 388,058**	$ -	**$ 385,000**	**$ 19,250**	**$ 792,308**
Task 8. Additional IEUA Support - NWRI, BCE's, WQ																																																					
8.1 Water Quality Sampling Lead																												200																							200	$ 50,334	$ -	$ -	$ -	$ 50,334
8.2 NWRI Panel	20											20				20					40																															100	$ 29,676	$ -	$ -	$ -	$ 29,676
8.3 BCE Evaluations													150															80																							410	$ 101,025	$ -	$ -	$ -	$ 101,025
Task 08 Subtotal	**20**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**150**	**0**	**0**	**20**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**0**	**0**	**0**	**0**	**280**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**80**	**80**	**20**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**710**	**$ 181,036**	$ -	$ -	$ -	**$ 181,036**
PROGRAM TOTALS	**180**	**3600**	**204**	**1000**	**2000**	**200**	**2000**	**500**	**400**	**500**	**630**	**2020**	**1000**	**2800**	**2200**	**1070**	**300**	**440**	**200**	**300**	**290**	**1390**	**200**	**200**	**200**	**2800**	**1200**	**1580**	**400**	**350**	**960**	**240**	**2000**	**240**	**240**	**370**	**100**	**640**	**$ 170,000**	**$ 1,325,000**	**$ 480,000**	**$ 80,000**	**$ 120,000**	**$ 100,000**	**$ 175,000**	**$ 150,000**	**$ 60,000**	**$ 75,000**	**34,944**	**$ 9,015,387**	**$ 100,000**	**$ 2,735,000**	**$ 136,750**	**$ 11,987,137**