CHINO BASIN WATERMASTER

NOTICE OF MEETING

Thursday, March 27, 2025

11:00 a.m. – Watermaster Board Meeting

Watermaster's function is to administer and enforce provisions of the Judgment and subsequent orders of the Court, and to develop and implement an Optimum Basin Management Program

CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING
11:00 a.m. – March 27, 2025
Mr. Jim Curatalo, Chair
Mr. Jeff Pierson, Vice-Chair
Mr. Bob Bowcock, Secretary/Treasurer
At The Offices Of
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

FLAG SALUTE

ROLL CALL

PUBLIC COMMENTS
This is an opportunity for members of the public to address the Board on any short non-agenda items that are within the subject matter jurisdiction of the Chino Basin Watermaster. No discussion or action can be taken on matters not listed on the agenda, per the Brown Act. Each member of the public who wishes to comment shall be allotted three minutes, and no more than three individuals shall address the same subject.

AGENDA – ADDITIONS/REORDER

SAFETY MINUTE

I. CONSENT CALENDAR
All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES
Approve as presented:
Minutes of the Watermaster Board Meeting held February 27, 2025 *(Page 1)*

B. FINANCIAL REPORTS
Receive and file as presented:
Monthly Financial Report for the Reporting Period Ended January 31, 2025 *(Page 7)*

C. OBMP SEMI-ANNUAL STATUS REPORT 2024-2 *(Page 23)*
Adopt the Semi-Annual OBMP Status Report 2024-2, and direct staff to file a copy with the Court, subject to any necessary non-substantive changes.

D. SGMA REPORTING FOR WATER YEAR 2024 *(Page 44)*
Approve and direct staff to file the information/reports with the state Department of Water Resources.

II. BUSINESS ITEMS

A. FIRST AMENDMENT TO TASK ORDER NO. 7 UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN UNDER THE MASTER AGREEMENT REGARDING THE MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS BETWEEN INLAND EMPIRE UTILITIES AGENCY AND THE CHINO BASIN WATERMASTER *(Page 51)*
Approve the First Amendment to Task Order No. 7 and conclude the associated obligations.

B. SECOND AMENDMENT TO TASK ORDER NO. 2 LOWER DAY BASIN RMPU IMPROVEMENT PROJECT UNDER THE MASTER AGREEMENT REGARDING THE MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS BETWEEN THE INLAND EMPIRE UTILITIES AGENCY AND THE CHINO BASIN WATERMASTER *(Page 59)*
Approve the amended Task Order No. 2 and conclude the associated obligations.

III. REPORTS/UPDATES

A. WATERMASTER LEGAL COUNSEL

1. April 4, 2025, Court Hearing (Appropriative Pool Motion for Costs and Fees; Watermaster Motion for Receipt and Filing of the 47th Annual Report; IEUA Motion for Costs and Fees)
2. Court of Appeal Consolidated Cases No. E080457 and E082127 (City of Ontario appeal re: Fiscal Year 2021-22 and 2022-23 Assessment Packages)
3. Inland Empire Utilities Agency, and Chino Basin Watermaster v. LS-Fontana LLC (San Bernardino Superior Court)

B. ENGINEER

1. 2025/26 GLMC Recommended Scope and Budget
2. 2025/26 PBHSC Recommended Scope and Budget
3. 2025 Safe Yield Reevaluation

C. GENERAL MANAGER

1. Fiscal Year 2025/26 Budget Release to the Advisory Committee
2. Status Report: Fiscal Year 2024/25 Exhibit G Physical Solution Transfers
3. Other

IV. INFORMATION

A. RECHARGE INVESTIGATION AND PROJECTS COMMITTEE (PROJECT 23a STATUS) *(Page 72)*

V. BOARD MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to Article II, Section 2.6, of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster Board meeting for the purpose of discussion and possible action.

1. CONFERENCE WITH LEGAL COUNSEL – PENDING LITIGATION: a) Chino Basin Municipal Water District v. City of Ontario et al., 4th District Court of Appeal Case No. E080457 and E082127

VIII. FUTURE MEETINGS AT WATERMASTER

03/25/25	Tue	1:00 p.m.	Safe Yield Reevaluation – Preliminary Results
03/27/25	Thu	9:30 a.m.	Watermaster Orientation*
03/27/25	Thu	11:00 a.m.	Watermaster Board
04/03/25	Thu	11:00 a.m.	Personnel Committee
04/10/25	Thu	9:00 a.m.	Appropriative Pool Committee
04/10/25	Thu	11:00 a.m.	Non-Agricultural Pool Committee
04/10/25	Thu	1:30 p.m.	Agricultural Pool Committee
04/17/25	Thu	9:00 a.m.	Advisory Committee
04/22/25	Tue	1:30 p.m.	Fiscal Year 2025/26 Budget Workshop 1
04/24/25	Thu	9:30 a.m.	Watermaster Orientation*
04/24/25	Thu	11:00 a.m.	Watermaster Board
04/29/25	Tue	1:30 p.m.	Fiscal Year 2025/26 Budget Workshop 2

* The Watermaster Orientation series is held in person only with no remote access.

ADJOURNMENT

DRAFT MINUTES
CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING
February 27, 2025

The Watermaster Board meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA, and via Zoom (conference call and web meeting) on February 27, 2025.

WATERMASTER BOARD MEMBERS PRESENT AT WATERMASTER

James Curatalo, Chair	Cucamonga Valley Water District
Jeff Pierson, Vice-Chair	Agricultural Pool – Crops
Bob Bowcock, Secretary/Treasurer	Non-Agricultural Pool – CalMat Co.
Steve Elie	Inland Empire Utilities Agency
Mike Gardner	Western Municipal Water District
Bob Kuhn	Three Valleys Municipal Water District
Jimmy Medrano	Agricultural Pool – State of CA
Bill Velto	City of Upland
Marty Zvirbulis	Fontana Water Company

WATERMASTER STAFF PRESENT

Todd Corbin	General Manager
Anna Nelson	Director of Administration
Justin Nakano	Water Resources Technical Manager
Frank Yoo	Data Services and Judgment Reporting Manager
Daniela Uriarte	Senior Accountant
Alonso Jurado	Water Resources Associate
Ruby Favela Quintero	Executive Assistant
Kirk Richard Dolar	Administrative Analyst
Jordan Garcia	Senior Field Operations Specialist
Erik Vides	Field Operations Specialist

WATERMASTER CONSULTANTS PRESENT AT WATERMASTER

Scott Slater	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	West Yost

OTHERS PRESENT AT WATERMASTER

Bob Feenstra	Agricultural Pool – Dairy
Kati Parker	Chino Basin Water Conservation District
Ben Orosco	City of Chino
Curtis Burton	City of Chino
Hye Jin Lee	City of Chino
Ron Craig	City of Chino Hills
Amanda Coker	Cucamonga Valley Water District
Chris Diggs	City of Pomona
Melissa Cansino	City of Pomona
Eduardo Espinoza	Cucamonga Valley Water District
Tara Bravo	CV Strategies
Bryan Smith	Jurupa Community Services District
Jesse Pompa	Jurupa Community Services District
Justin Scott-Coe	Monte Vista Irrigation Company
Justin Scott-Coe	Monte Vista Water District
Michelle Licea	Monte Vista Water District
Laura Roughton	Western Municipal Water District

OTHERS PRESENT ON ZOOM

Gino Filippi	Agricultural Pool – Crops
Noah Golden-Krasner	Agricultural Pool – State of CA
Elizabeth Willis	Chino Basin Water Conservation District
Chad Nishida	City of Ontario
Norberto Ferreira	City of Upland
Michael Mayer	County of San Bernardino
Rob Hills	Cucamonga Valley Water District
Derek Hoffman	Fennemore Law
Ben Lewis	Golden State Water Company
Toby Moore	Golden State Water Company
Aimee Zhao	Inland Empire Utilities Agency
Eddie Lin	Inland Empire Utilities Agency
John Russ	Inland Empire Utilities Agency
Brian Geye	Non-Agricultural Pool – CA Speedway Corporation
Elizabeth Ewens	Stoel Rives LLP
David De Jesus	Three Valleys Municipal Water District
Matt Litchfield	Three Valleys Municipal Water District
Mallory O'Conor	Western Municipal Water District
Richard Rees	WSP USA

CALL TO ORDER

Chair Curatalo called the Watermaster Board meeting to order at 11:00 a.m.

FLAG SALUTE

(00:00:10) Chair Curatalo led the Board in the flag salute.

ROLL CALL

(00:00:41) Ms. Nelson conducted the roll call and announced that a quorum was present.

PUBLIC COMMENTS

This is an opportunity for members of the public to address the Board on any short non-agenda items that are within the subject matter jurisdiction of the Chino Basin Watermaster. No discussion or action can be taken on matters not listed on the agenda, per the Brown Act. Each member of the public who wishes to comment shall be allotted three minutes, and no more than three individuals shall address the same subject.

(00:01:44) Mr. Feenstra commented and indicated concerns of the Agricultural Pool and advised stakeholders that Pool Counsel plans to attend all meetings going forward. A discussion ensued.

AGENDA – ADDITIONS/REORDER

None

SAFETY MINUTE

(00:07:02) Mr. Corbin announced that the month of February is heart health month. He reminded everyone to stay active, watch their diet and get routine checkups.

I. CONSENT CALENDAR

All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES

Approve as presented:
Minutes of the Watermaster Board Meeting held January 23, 2025

B. FINANCIAL REPORTS

Receive and file as presented:
Monthly Financial Report for the Reporting Period Ended December 31, 2024

C. PROCLAMATION IN RECOGNITION OF CUCAMONGA VALLEY WATER DISTRICT'S 70TH ANNIVERSARY

Adopt the Proclamation in recognition of the history and contributions of the Cucamonga Valley Water District over the past 70 years.

(00:07:56)
Motion by Mr. Steve Elie, seconded by Mr. Mike Gardner, there being no dissent, the item passed unanimously.

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. CALCULATION OF EXCESS CASH RESERVES BASED ON OPERATING CASH RESERVE POLICY 4.17

Approve deferring the refund of excess cash reserves in accordance with Watermaster Policy 4.17 until the FY 25-26 budget process is completed.

(00:08:37) Mr. Corbin gave a report and announced that the cash reserves amount has increased to 1.374 million, and that the Appropriative Pool wishes for the funds to be held until after the fiscal year 2025/26 Watermaster budget process concludes. A discussion ensued.

(00:11:09)
Motion by Mr. Steve Elie, seconded by Mr. Bill Velto, there being no dissent, the item passed unanimously by roll call vote as attached to these minutes.

Moved to approve Business Item II.A. as presented.

III. REPORTS/UPDATES

A. LEGAL COUNSEL

1. April 4, 2025, Court Hearing (Appropriative Pool Motion for Costs and Fees; Watermaster Motion for Receipt and Filing of the 47th Annual Report; IEUA Motion for Costs and Fees)
2. Court of Appeal Consolidated Cases No. E080457 and E082127 (City of Ontario appeal re: Fiscal Year 2021-22 and 2022-23 Assessment Packages)

(00:12:28) Mr. Slater gave a report. A discussion ensued.

B. ENGINEER

1. 2025/26 GLMC Recommended Scope and Budget
2. 2025 Safe Yield Reevaluation

(00:19:36) Mr. Malone gave a report.

C. GENERAL MANAGER

1. Discussion RE Recharge on San Bernardino County Flood Control Properties
2. Audit Firm Engagement
3. New Payroll Vendor
4. National Groundwater Awareness Week March 9-15, 2025
5. New Employee Introduction

6. Other

(00:22:13) Mr. Corbin reported on Item 1 indicating that staff had discussions with San Bernardino County regarding the proposed development in the area at Turner Basin. Watermaster will continue to vet with the County and uphold Watermaster's mission to protect and enhance basin safe yield.

For Item 2, he recommended that Watermaster retain its current audit firm for another year (through the Fiscal Year 2024/25 audit) to provide stability and continuity in our process changes over the next year. In future audit years, Watermaster plans to transition to another auditor to maintain auditor independence and will obtain requests for proposals.

He informed the Board that Watermaster has transitioned from ADP to Bamboo HR payroll to gain more user-friendly, customizable features, timely customer service support, and in addition saving ~$5,000 annually. He thanked Ms. Nelson and Ms. Uriarte for their hard work on the successful transition.

Mr. Corbin asked Ms. Nelson to introduce Watermaster's new Administrative Analyst, Mr. Kirk Richard Dolar. Mr. Dolar thanked Watermaster for the opportunity and looked forward to being of service.

Mr. Corbin announced the fiscal year 2025/26 budget schedule and indicated that staff had already held the annual budget kickoff meeting with West Yost and will continue with to meet with others to finalize. The proposed budget will be released at the Advisory Committee meeting on March 20, 2025. Watermaster will hold the necessary workshops in April and the proposed budget will be brought to the May Watermaster meetings for further discussion and approval.

Finally, Board Member Gardner reminded Mr. Corbin about the 20-year work anniversary for Mr. Justin Nakano and Mr. Frank Yoo. Mr. Corbin thanked them for their long-standing contributions to the success of the Chino Basin. He noted that they both began working on the same day and handle very important functions. Mr. Corbin asked Mr. Nakano and Mr. Yoo to comment on their career journeys. Chair Curatalo and other Board members commended both gentlemen for their professionalism and contributions.

IV. INFORMATION

A. RECHARGE INVESTIGATION AND PROJECTS COMMITTEE (PROJECT 23a STATUS)

(00:34:05) Mr. Corbin indicated there was nothing new to report on this item.

V. <u>BOARD MEMBER COMMENTS</u>

None

VI. <u>OTHER BUSINESS</u>

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to Article II, Section 2.6, of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster Board meeting for the purpose of discussion and possible action.

None

ADJOURNMENT

Chair Curatalo adjourned the Watermaster Board meeting at 11:35 a.m.

Secretary: _____

Approved: _____

Attachments

1. 20250227 Roll Call Vote Outcome for Business Item II.A.

ATTACHMENT 1

February 27, 2025 Watermaster Board Roll Call Vote Outcome

Member	Alternate	Business Item II.A.
Elie, Steve		Yes
Gardner, Mike		Yes
Kuhn, Bob		Yes
Medrano, Jimmy		Yes
Pierson, Jeff, Vice-Chair		Yes
Velto, Bill		Yes
Zvirbulis, Marty		Yes
Bowcock, Bob		Yes
Curatalo, James, Chair		Yes
	OUTCOME:	**Passed Unanimously**

CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
909.484.3888 www.cbwm.org

STAFF REPORT

DATE: March 2025

TO: Watermaster Committees & Board

SUBJECT: Monthly Financial Reports (For the Reporting Period Ended January 31, 2025) (Consent Calendar Item I.B.)

Issue: Record of Monthly Financial Reports for the reporting period ended January 31, 2025 [Normal Course of Business]

Recommendation: Receive and file Monthly Financial Reports for the reporting period ended January 31, 2025 as presented.

Financial Impact: None

ACTIONS:
Appropriative Pool – March 13, 2025 [Final]: Received and filed.
Non-Agricultural Pool – March 13, 2025 [Final]: Received and filed.
Agricultural Pool – March 13, 2025 [Final]: Received and filed.
Advisory Committee – March 20, 2025 [Final]: Received and filed.
Watermaster Board – March 27, 2025 [Recommended]: Receive and file.

BACKGROUND

A monthly reporting packet is provided to keep all members apprised of Watermaster revenues, expenditures, and other financial activities. Monthly reports include the following:

1. Cash Disbursements – Summarized report of all payments made during the reporting month.
2. Credit Card Expense Detail – Detail report of all credit card activity during the reporting month.
3. Combining Schedule of Revenues, Expenses & Changes in Net Assets – Detail report of all revenue and expense activity for the fiscal YTD, summarized by pool category.
4. Treasurer's Report – Summary of Watermaster investments holdings and anticipated earnings as of month end.
5. Budget to Actual Report – Detail report of actual revenue and expense activity, shown for reporting month and YTD, comparatively to the adopted budget.
6. Monthly Variance Report & Supplemental Schedules – Supporting schedule providing explanation for major budget variances. Also provides several additional tables detailing pool fund balance, salaries expense, legal expense, and engineering expense.

DISCUSSION

Detailed explanations of major variances and other additional information can be found on the "Monthly Variance Report & Supplemental Schedules."

Watermaster staff will provide additional explanations or respond to any questions on these reports during the meetings as requested.

ATTACHMENT

1. Monthly Financial Reports (January 31, 2025)

Chino Basin Watermaster
Cash Disbursements
January 2025

Date	Number	Vendor Name	Description	Amount
01/06/2025	25246	CUBICLE AND OFFICE, LLC.	Existing cubicle reconfiguration	$ (480.02)
01/07/2025	25247	ACWA JOINT POWERS INSURANCE AUTHORITY	February life insurance	(274.43)
01/07/2025	25248	BURRTEC WASTE INDUSTRIES, INC.	Utilities: Waste	(168.62)
01/07/2025	25249	EIDE BAILLY LLP	November accounting consulting services	(328.13)
01/07/2025	25250	FRONTIER COMMUNICATIONS	Landline connection for Bay Alarm system	(153.53)
01/07/2025	25251	GROUNDWATER RESOURCES ASSOCIATION	Annual membership dues	(1,500.00)
01/07/2025	25252	PITNEY BOWES GLOBAL FINANCIAL SVCS.	Quarterly postage meter lease	(454.87)
01/07/2025	25253	READY REFRESH	Office water dispenser lease	(41.97)
01/07/2025	25254	SAN BERNARDINO COUNTY - DEPT. AIRPORTS	January rent for extensometer site	(172.00)
01/07/2025	25255	SOUTHERN CALIFORNIA EDISON	Utilities: Electric	(174.75)
01/07/2025	25256	SPECTRUM ENTERPRISE	January internet services	(1,161.35)
01/07/2025	25257	STATE COMPENSATION INSURANCE FUND	FY 25 worker's compensation insurance	(2,264.91)
01/07/2025	25258	UNION 76	December fuel purchases	(231.52)
01/07/2025	25259	VANGUARD CLEANING SYSTEMS	January janitorial service	(1,000.00)
01/07/2025	25260	VC3, INC.	December IT services	(5,157.32)
01/07/2025	25261	VISION SERVICE PLAN	January vision insurance coverage	(108.39)
01/07/2025	25262	CURATALO, JAMES		(375.00)
01/07/2025	25263	EGOSCUE LAW GROUP, INC.	December OAP legal services	(4,200.00)
01/07/2025	25264	WELL TEC SERVICES	Meter installations and onsite calibrations	(43,531.25)
01/10/2025	ACH1/10/25	CALPERS	January medical insurance premiums	(17,282.10)
01/10/2025	ACH1/10/25	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Annual Unfunded Accrued Liability-Plan 3299	(12,164.17)
01/10/2025	ACH1/10/25	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Annual Unfunded Accrued Liability-Plan 27239	(172.92)
01/14/2025	ACH1/14/25	JOHN J. SCHATZ	October/November AP legal services	(13,265.00)
01/15/2025	25265	BUSINESS TELECOMMUNICATION SYSTEMS INC	Voicemail services troubleshooting	(195.00)
01/15/2025	25266	CALIFORNIA BANK & TRUST	Account ending 6198 - See detail attached	(4,457.13)
01/15/2025	25267	CORELOGIC INFORMATION SOLUTIONS	December geographic package services	(125.00)
01/15/2025	25268	CUCAMONGA VALLEY WATER DISTRICT	February lease	(11,902.91)
01/15/2025	25269	DORA CERVANTES	December carpet cleaning services	(800.00)
01/15/2025	25270	LEGAL SHIELD	January employee paid legal insurance	(119.55)
01/15/2025	25271	SOUTHERN CA EDISON	Utilities: Electric	(1,163.61)
01/15/2025	25272	STANDARD INSURANCE CO.	December life and disability coverage	(996.23)
01/15/2025	25273	VANGUARD CLEANING SYSTEMS	November-December electrostatic spraying	(660.00)
01/15/2025	25274	VERIZON WIRELESS	Internet services for Field Ops tablets	(277.17)
01/15/2025	25275	BROWNSTEIN HYATT FARBER SCHRECK	November legal services	(94,365.84)
01/15/2025	25276	LINDE GAS & EQUIPMENT INC.	Water quality sampling supplies	(265.97)
01/15/2025	25277	POWERS ELECTRIC PRODUCTS CO.	Replacement sounder lines for groundwater level monitoring	(1,065.78)
01/15/2025	25278	RUBEN LLAMAS		(125.00)
01/22/2025	25279	CALIFORNIA GROUNDWATER COALITION	Annual membership dues	(10,450.00)
01/22/2025	25280	CLARK PEST CONTROL	Bi-monthly pest control services	(100.00)
01/22/2025	25282	GREAT AMERICA LEASING CORP.	December copy machine lease	(1,527.81)
01/22/2025	25283	HUITSING, JOHN		(1,125.00)
01/22/2025	25284	PETTY CASH	Petty cash replenishment	(405.27)
01/22/2025	25285	RON SHELLEY'S AUTOMOTIVE	Field trucks oil change and filter	(380.31)
01/22/2025	25286	SAN BERNARDINO COUNTY - DEPT. AIRPORTS	February rent for extensometer site	(172.00)
01/22/2025	25287	UNITED HEALTHCARE	February dental insurance coverage	(1,370.78)
01/22/2025	25288	VC3, INC.	January IT services	(5,160.82)
01/22/2025	25289	VERIZON WIRELESS	Internet services and mobile broadband unlimited	(38.01)
01/24/2025	25291	CUCAMONGA VALLEY WATER DISTRICT - UTILITY	Utilities: Water	(370.77)
01/24/2025	25292	EIDE BAILLY LLP	December accounting consulting services	(91.88)
01/24/2025	25293	PITNEY BOWES GLOBAL FINANCIAL SERVICES	Postage meter refill	(507.00)
01/24/2025	25294	SOUTHERN CALIFORNIA EDISON	Utilities: Electric	(208.23)
01/24/2025	25295	WEST YOST	December engineering services	(162,657.74)
			Total for Month	**$ (405,747.06)**

Chino Basin Watermaster
Credit Card Expense Detail
January 2025

Date	Number	Description	Expense Account	Amount
01/15/2025	25266	**CALIFORNIA BANK & TRUST**		
		Amazon - Amazon Web Services - November 2024	6054 · Computer Software	(165.72)
		JW Marriot - ACWA Conference - Lodging - E. Tellez Foster	6191 · Conferences - General	(535.82)
		Microsoft Software - Mapping and visualization software subscription	6054 · Computer Software	(15.00)
		REV Subscription - Speech to text transcription services	6112 · Subscriptions/Publications	(29.99)
		EZOP San Bernardino Permit - Annual Site Inspection - Zone 1 FCAP-011	6909.3 · Other OBMP Expenses	(1,085.90)
		UPS postage- Employee Manual - J. Pierson	6042 · Postage - General	(49.17)
		1-800-Flowers - Get Well gift - M. Gardner	6031.7 · General Office Supplies	(105.45)
		Paul Martin's - Staff Holiday Luncheon	6141.1 · Meeting Supplies	(742.30)
		B2B Prime - Amazon Prime Membership fee	6031.7 · General Office Supplies	(192.87)
		Amazon - Outlet protector	6031.7 · General Office Supplies	(23.42)
		Bamboo HR - HRIS and Timekeeping System	6061.2 · HRIS System	(227.59)
		LinkedIn - Administrative Analyst position recruitment	6112 · Subscriptions/Publications	(500.00)
		Amazon - Wastebaskets, chairmat	6031.7 · General Office Supplies	(92.08)
		Amazon - Envelopes	6031.7 · General Office Supplies	(37.65)
		Lazy Dog - Holiday Administrative Dinner - A. Nelson, D. Uriarte, R. Favela Quintero	6141.1 · Meeting Supplies	(120.25)
		Amazon - Postcards	6031.7 · General Office Supplies	(45.68)
		BlueHost - Monthly Software Renewal - Standard VPN Server with cPanel	6054 · Computer Software	(91.99)
		Jersey Mikes - Interview debrief lunch - T. Corbin, E. Tellez Foster	6141.1 · Meeting Supplies	(29.75)
		LinkedIn - Administrative Analyst position recruitment	6112 · Subscriptions/Publications	(200.00)
		Panera - Interview debrief lunch - T. Corbin, E. Tellez Foster	6141.1 · Meeting Supplies	(26.88)
		Amazon - Misc. office supplies	6031.7 · General Office Supplies	(80.83)
		Amazon - Smart switches	6031.7 · General Office Supplies	(58.79)
			Total for Month	**$ (4,457.13)**

Chino Basin Watermaster

Combining Schedule of Revenues, Expenses & Changes in Net Assets

For the Period of July 1, 2024 through January 31, 2025

(Unaudited)

	JUDGMENT ADMIN.	OPTIMUM BASIN MGMT.	TOTAL JUDGMENT ADMIN & OBMP	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUND WATER REPLENISH.	GRAND TOTALS	ADOPTED BUDGET 2024-2025 WITH CARRYOVER
				AP POOL	OAP POOL	ONAP POOL			
Administrative Revenues:									
Administrative Assessments	$ 5,621,503	$ 4,212,652	$ 9,834,155	$ 67,702	$ -	$ 31,000	$ -	$ 9,932,857	$ 9,833,780
Interest Revenue	-	243,365	243,365	11,528	36,675	1,826	3,565	296,958	478,500
Groundwater Replenishment	-	-	-	-	-	-	(87,377)	(87,377)	-
Mutual Agency Project Revenue	191,073	-	191,073	-	-	-	-	191,073	191,070
Miscellaneous Income	1,468	-	1,468	-	-	-	-	1,468	-
Total Administrative Revenues	**5,814,043**	**4,456,017**	**10,270,060**	**79,230**	**36,675**	**32,826**	**(83,812)**	**10,334,978**	**10,503,350**
Administrative & Project Expenditures:									
Watermaster Administration	1,854,082	-	1,854,082	-	-	-	-	1,854,082	2,528,540
Watermaster Board-Advisory Committee	143,535	-	143,535	-	-	-	-	143,535	422,420
Optimum Basin Mgmt Administration	-	382,679	382,679	-	-	-	-	382,679	1,437,940
OBMP Project Costs	-	1,732,289	1,732,289	-	-	-	-	1,732,289	4,971,020
Pool Legal Services	-	-	-	74,269	78,000	6,204	-	158,473	-
Pool Meeting Compensation	-	-	-	-	13,250	2,875	-	16,125	-
Pool Special Projects	-	-	-	-	9,454	-	-	9,454	-
Pool Administration	-	-	-	-	-	-	-	-	370,660
Debt Service	-	955,086	955,086	-	-	-	-	955,086	772,770
Agricultural Expense Transfer [1]	-	-	-	100,704	(100,704)	-	-	-	-
Replenishment Water Assessments	-	-	-	-	-	-	54,425	54,425	180,234
Total Administrative Expenses	**1,997,617**	**3,070,055**	**5,067,672**	**174,973**	**-**	**9,079**	**54,425**	**5,306,149**	**10,683,584**
Net Ordinary Income	**3,816,426**	**1,385,963**	**5,202,388**	**(95,744)**	**36,675**	**23,747**	**(138,237)**	**5,028,829**	**(180,234)**
Other Income/(Expense)									
Refund-Recharge Debt Service	-	-	-	-	-	-	-	-	-
Carryover Budget*	-	-	-	-	-	-	-	-	454,875
Net Other Income/(Expense)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**454,875**
Net Transfers To/(From) Reserves	**$ 3,816,426**	**$ 1,385,963**	**$ 5,202,388**	**$ (95,744)**	**$ 36,675**	**$ 23,747**	**$ (138,237)**	**$ 5,028,829**	**$ 274,640**
Net Assets, July 1, 2024			8,794,214	555,405	1,404,964	65,733	180,234	11,000,551	
Refund-Excess Operating Reserves			-					-	
Net Assets, End of Period			**13,996,602**	**459,661**	**1,441,639**	**89,480**	**41,998**	**16,029,380**	
Pool Assessments Outstanding				(86,315)	(586,852)	-			
Payments received in FY 25 for prior year assessments				158,322	-	-			
Pool Fund Balance				**$ 531,668**	**$ 854,787**	**$ 89,480**			

[1] Fund balance transfer as agreed to in the Peace Agreement.

*Carryover budget will be updated once the refund for excess operating reserves has been finalized.

Chino Basin Watermaster

Treasurer's Report

January 2025

	Type	Monthly Yield	Cost	Market	% Total
Cash & Investments					
Local Agency Investment Fund (LAIF) *	Investment	4.37%	$ 658,575	$ 658,326	4.0%
CA CLASS Prime Fund **	Investment	4.42%	15,531,594	$ 15,532,281	94.0%
Bank of America	Checking		337,253	337,253	2.0%
Bank of America	Payroll		-	-	0.0%
Total Cash & Investments			**$ 16,527,421**	**$ 16,527,860**	**100.0%**

* The LAIF Market Value factor is updated quarterly in September, December, March, and June.

** The CLASS Prime Fund Net Asset Value factor is updated monthly.

Certification

I certify that (1) all investment actions executed since the last report have been made in full compliance with Chino Basin Watermaster's Investment Policy, and (2) Funds on hand are sufficient to meet all foreseen and planned administrative and project expenditures for the next six months.

Anna Nelson, Director of Administration

Prepared By:
Daniela Uriarte, Senior Accountant

Chino Basin Watermaster
Budget to Actual
For the Period July 1, 2024 to January 31, 2025
(Unaudited)

		January 2024	YTD Actual	FY 25 Adopted Budget with Carryover	$ Over / (Under) Budget	% of Budget
1	**Administration Revenue**					
2	Local Agency Subsidies	$ -	$ 191,073	$ 191,070	$ 3	100%
3	Admin Assessments-Appropriative Pool	-	9,497,193	9,521,030	(23,837)	100%
4	Admin Assessments-Non-Ag Pool	-	336,962	312,750	24,212	108%
5	**Total Administration Revenue**	**-**	**10,025,228**	**10,024,850**	**378**	**100%**
6	**Other Revenue**					
7	Appropriative Pool-Replenishment	-	(103,383)	-	(103,383)	N/A
8	Non-Ag Pool-Replenishment	-	16,006	-	16,006	N/A
9	Interest Income	48,088	243,365	478,500	(235,135)	51%
10	Miscellaneous Income	-	1,468	-	1,468	N/A
11	Carryover Budget	-	-	454,875	(454,875)	0%
12	**Total Other Revenue**	**48,088**	**157,455**	**933,375**	**(775,919)**	**17%**
13	**Total Revenue**	**48,088**	**10,182,683**	**10,958,225**	**(775,541)**	**93%**
14	**Judgment Administration Expense**					
15	Judgment Administration	22,340	268,019	721,010	(452,991)	37%
16	Admin. Salary/Benefit Costs	112,916	768,282	1,032,120	(263,838)	74%
17	Office Building Expense	16,735	146,523	234,470	(87,947)	62%
18	Office Supplies & Equip.	1,591	17,241	46,760	(29,519)	37%
19	Postage & Printing Costs	2,155	14,144	32,950	(18,806)	43%
20	Information Services	16,749	68,176	232,530	(164,354)	29%
21	Contract Services	15,791	44,249	111,460	(67,211)	40%
22	Watermaster Legal Services	-	436,682	414,060	22,622	105%
23	Insurance	-	38,572	50,950	(12,378)	76%
24	Dues and Subscriptions	6,755	20,406	25,900	(5,494)	79%
25	Watermaster Administrative Expenses	597	6,744	9,630	(2,886)	70%
26	Field Supplies	-	1,035	3,200	(2,165)	32%
27	Travel & Transportation	2,066	79,757	104,960	(25,203)	76%
28	Training, Conferences, Seminars	-	11,558	49,370	(37,812)	23%
29	Advisory Committee Expenses	3,128	26,943	134,130	(107,187)	20%
30	Watermaster Board Expenses	7,480	116,592	288,290	(171,698)	40%
31	ONAP - WM & Administration	3,261	23,267	120,940	(97,673)	19%
32	OAP - WM & Administration	5,165	33,051	124,220	(91,169)	27%
33	Appropriative Pool- WM & Administration	9,331	70,662	125,500	(54,838)	56%
34	Allocated G&A Expenditures	(22,005)	(194,286)	(540,830)	346,544	36%
35	**Total Judgment Administration Expense**	**204,054**	**1,997,617**	**3,321,620**	**(1,324,003)**	**60%**
36	**Optimum Basin Management Plan (OBMP)**					
37	Optimum Basin Management Plan	47,550	382,679	1,437,940	(1,055,261)	27%
38	Groundwater Level Monitoring	33,963	272,186	585,050	(312,864)	47%
39	Program Element (PE)2- Comp Recharge	15,697	183,227	1,774,300	(1,591,073)	10%
40	PE3&5-Water Supply/Desalte	14,334	36,805	122,010	(85,205)	30%
41	PE4- Management Plan	17,745	245,820	412,400	(166,580)	60%
42	PE6&7-CoopEfforts/SaltMgmt	30,575	501,333	669,380	(168,047)	75%
43	PE8&9-StorageMgmt/Conj Use	39,347	298,632	867,050	(568,418)	34%
44	Recharge Improvements	-	955,086	772,770	182,316	124%
45	Administration Expenses Allocated-OBMP	4,365	62,156	232,750	(170,594)	27%
46	Administration Expenses Allocated-PE 1-9	17,640	132,131	308,080	(175,949)	43%
47	**Total OBMP Expense**	**221,214**	**3,070,055**	**7,181,730**	**(4,111,675)**	**43%**
48	**Other Expense**					
49	Groundwater Replenishment	-	54,425	180,234	(125,810)	30%
50	Other Expenses	-	-	-	-	N/A
51	**Total Other Expense**	**-**	**54,425**	**180,234**	**(125,810)**	**30%**
52	**Total Expenses**	**425,268**	**5,122,096**	**10,683,584**	**(5,561,488)**	**48%**
53	**Increase / (Decrease) to Reserves**	**$ (377,180)**	**$ 5,060,587**	**$ 274,640**	**$ 4,785,947**	

Budget to Actual

The Budget to Actual report summarizes the operating and non-operating revenues and expenses of Chino Basin Watermaster for the fiscal year-to-date (YTD). Columns are included for current monthly and YTD activity shown comparatively to the FY 25 adopted budget. The final two columns indicate the amount over or under budget, and the YTD percentage of total budget used. As of January 31st, the target budget percentage is generally 58%.

Revenues

Lines 1-5 Administration Revenue – Includes local agency subsidies and administrative assessment for the Appropriative, Agricultural and Non-Agricultural Pools. Below is a summary of notable account variances at month end:

- Line 2 Local Agency Subsidies includes the annual Dy Year Yield (DYY) administrative fee received. This account is at 100% of budget due to the timing of payment.
- Line 3-4 Administrative Assessments for the Appropriative and Non-Agricultural Pools include annual assessment invoices issued in November of each year. The Non-Agricultural Pool line is over budget due to changes in actual versus projected production.

Lines 6-12 Other Revenue – Includes Pool replenishment assessments, interest income, miscellaneous income, and carryover budget from prior years.

Expenses

Lines 14-35 Judgment Administration Expense – Includes Watermaster general administrative expenses, contract services, insurance, office and other administrative expenses. Below is a summary of notable account variances at month end:

- Line 16 Admin Salary/Benefit Costs includes wages and benefits for Watermaster administrative staff. The account is at 74% of budget due to vacation and severance payouts done in July.
- Line 17 Office Building Expense includes office lease, telephone, utilities, repair and maintenance, and building interior renovation costs. The account is at 62% of budget due to office cubicle reconfigurations not anticipated in the budget.
- Line 22 Watermaster Legal Services includes outside legal counsel expenses. The account is at 98% of budget due to personnel matters not anticipated in the budget.
- Line 23 Insurance includes general liability insurance, directors' and officers' liability, umbrella coverage, environmental pollution liability and other various insurance policies. The account is at 76% of budget due to the timing of policy renewals.
- Line 24 Dues and Subscriptions include annual dues for ACWA, SHRM, and other miscellaneous subscriptions. The account is at 79% of budget due to the timing of membership renewals.
- Line 25 Watermaster Administrative Expenses include expenses for meetings, supplies, lunch meetings, and other various expenses. The account is at 70% of budget due photography supplies purchased in December.
- Line 27 Travel & Transportation includes travel and transportation costs related to Watermaster business, not related to conferences and seminars, vehicle fuel, repairs and maintenance, and vehicle purchases. The account is at 76% of budget due to the timing of the new field vehicle purchase.

Lines 36-47 Optimum Basin Management Plan (OBMP) Expense – Includes legal, engineering, groundwater level monitoring, allocated administrative expenses, and other expenses.

Lines 48-51 Other Expense – Includes groundwater replenishment, settlement expenses, and various refunds as appropriate.

Pool Services Fund Accounting

Each Pool has a fund account created to pay their own legal service invoices. The legal services invoices are funded and paid using the fund accounts (8467 for the Overlying Agricultural Pool (OAP), 8567 for the Overlying Non-Agricultural Pool (ONAP), and 8367 for the Appropriate Pool (AP)). Along with the legal services fund account for the OAP (8467), the OAP also has two other fund accounts for Ag Pool Meeting Attendance expenses (8470), and Special Projects expenses (8471). The ONAP also has a meeting compensation fund account (8511). Additionally, the OAP has a reserve fund that is held by Watermaster and spent at the direction of the OAP. The AP also has account 8368 relating to the Tom Harder contract. These fund accounts are replenished at the direction of each Pool, and the legal service invoices are approved by the Pool leadership and when paid by Watermaster, are deducted from the existing fund account balances. If the fund account for any pool reaches zero, no further payments can be paid from the fund and a replenishment action must be initiated by the Pool.

The following tables detail the fund balance accounts as of January 31, 2025 (continued next page):

Fund Balance For Non-Agricultural Pool **Account 8567 - Legal Services**		
Beginning Balance July 1, 2024:	$	63,483.09
Additions:		
Interest Earnings		1,825.79
Payments received on ONAP Assessment invoices issued 11/26/24		25,000.00
Subtotal Additions:		26,825.79
Reductions:		
Invoices paid July 2024 - January 2025		(6,204.00)
Subtotal Reductions:		(6,204.00)
Available Fund Balance as of Jan. 31, 2025	**$**	**84,104.88**

Fund Balance For Appropriative Pool **Account 8367 - Legal Services**		
Beginning Balance July 1, 2024:	$	(9,472.87)
Additions:		
Interest Earnings		11,528.19
Payments received on AP Assessment invoices issued 11/18/21		19,274.89
Payments received on AP Assessment invoices issued 4/21/22		27,177.60
Payments received on AP Assessment invoices issued 10/14/22		48,187.23
Payments received on AP Assessment invoices issued 4/19/23		17,689.54
Payments received on AP Assessment invoices issued 10/30/23		45,992.80
Payments received on AP Assessment invoices issued 11/26/24		67,701.53
Subtotal Additions:		237,551.78
Reductions:		
Invoices paid July 2024 - January 2025		(74,269.38)
Subtotal Reductions:		(74,269.38)
Available Fund Balance as of Jan. 31, 2025	**$**	**153,809.53**

Fund Balance For Non-Agricultural Pool **Account 8511 - Meeting Compensation**		
Beginning Balance July 1, 2024:	$	2,250.00
Additions:		
Payments received on ONAP Assessment invoices issued 11/26/24		6,000.00
Subtotal Additions:		6,000.00
Reductions:		
Compensation paid July 2024 - January 2025		(2,875.00)
Subtotal Reductions:		(2,875.00)
Available Fund Balance as of Jan. 31, 2025	**$**	**5,375.00**

Fund Balance For Appropriative Pool **Account 8368 - Tom Harder Contract**		
Beginning Balance July 1, 2024:	$	20,577.61
Additions:		
Subtotal Additions:		-
Reductions:		
Invoices paid July 2024 - January 2025		-
Subtotal Reductions:		-
Available Fund Balance as of Jan. 31, 2025	**$**	**20,577.61**

Chino Basin Watermaster
Monthly Variance Report & Supplemental Schedules
For the period July 1, 2024 to January 31, 2025
(Unaudited)

Pool Services Fund Accounting – Cont.

Fund Balance for Agricultural Pool Account 8467 - Legal Services (Held by AP)		
Beginning Balance July 1, 2024*:	$	388,647.51
Reductions:		
Invoices paid July 2024 - January 2025		(78,000.00)
Subtotal Reductions:		(78,000.00)
Available Fund Balance as of Jan. 31, 2025	**$**	**310,647.51**

*Balance includes payments received totaling $262,832.38 for Settlement Agreement outstanding invoices issued Apr. 15, 2022 and Jun. 17, 2022.

Agricultural Pool Reserve Funds As shown on the Combining Schedules		
Beginning Balance July 1, 2024*:	$	818,112.17
Additions:		
YTD Interest earned on Ag Pool Funds FY 25		36,674.56
Transfer of Funds from AP to Special Fund for Legal Service Invoices		78,000.00
Total Additions:		114,674.56
Reductions:		
Legal service invoices paid July 2024 - January 2025		(78,000.00)
Subtotal Reductions:		(78,000.00)
Agricultural Pool Reserve Funds Balance as of Jan. 31, 2025:	**$**	**854,786.73**

*Balance includes payments of $102,245.10 and $42,025.61 received in FY 24 for outstanding invoices issued Sep. 9, 2022 and Apr. 20, 2023 for Ag Pool legal services, respectively.

Fund Balance For Agricultural Pool Account 8470 - Meeting Compensation (Held by AP)		
Beginning Balance July 1, 2024:	$	17,694.65
Reductions:		
Compensation paid July 2024 - January 2025		(13,250.00)
Subtotal Reductions:		(13,250.00)
Available Fund Balance as of Jan. 31, 2025	**$**	**4,444.65**

Fund Balance For Agricultural Pool Account 8471 - Special Projects (Held by AP)		
Beginning Balance July 1, 2024:	$	51,643.00
Reductions:		
Invoices paid July 2024 - January 2025		(9,454.00)
Subtotal Reductions:		(9,454.00)
Available Fund Balance as of Jan. 31, 2025	**$**	**42,189.00**

Chino Basin Watermaster
Monthly Variance Report & Supplemental Schedules
For the period July 1, 2024 to January 31, 2025
(Unaudited)

Watermaster Salary Expenses

The following table details the Year-To-Date (YTD) Actual Watermaster burdened salary costs compared to the FY 25 adopted budget. The "$ Over Budget" and the "% of Budget" columns are a comparison of the YTD actual to the annual budget. As of January 31st, the target budget percentage is generally 58%.

	Year to Date Actual	FY 24-25 Budget	$ Over / (Under) Budget	% of Budget
WM Salary Expense				
5901.1 · Judgment Admin - Doc. Review	39,323	93,860	(54,537)	41.9%
5901.3 · Judgment Admin - Field Work	1,716	11,860	(10,144)	14.5%
5901.5 · Judgment Admin - General	5,631	81,090	(75,459)	6.9%
5901.7 · Judgment Admin - Meeting	17,927	39,710	(21,783)	45.1%
5901.9 · Judgment Admin - Reporting	2,644	13,890	(11,246)	19.0%
5910 · Judgment Admin - Court Coord./Attendance	3,345	16,970	(13,625)	19.7%
5911 · Judgment Admin - Exhibit G	1,046	6,400	(5,354)	16.3%
5921 · Judgment Admin - Production Monitoring	60	5,440	(5,380)	1.1%
5931 · Judgment Admin - Recharge Applications	1,658	-	1,658	100.0%
5941 · Judgment Admin - Reporting	1,648	2,140	(492)	77.0%
5951 · Judgment Admin - Rules & Regs	-	11,260	(11,260)	0.0%
5961 · Judgment Admin - Safe Yield	24,175	9,510	14,665	254.2%
5971 · Judgment Admin - Storage Agreements	3,204	13,000	(9,796)	24.6%
5981 · Judgment Admin - Water Accounting/Database	54,865	108,290	(53,425)	50.7%
5991 · Judgment Admin - Water Transactions	4,703	5,330	(627)	88.2%
6011.11 · WM Staff - Overtime	6,174	18,000	(11,826)	34.3%
6011.10 · Admin - Accounting	131,472	278,330	(146,858)	47.2%
6011.15 · Admin - Building Admin	42,836	31,200	11,636	137.3%
6011.20 · Admin - Conference/Seminars	29,914	58,530	(28,616)	51.1%
6011.25 · Admin - Document Review	23,025	2,620	20,405	878.8%
6011.50 · Admin - General	175,642	362,560	(186,918)	48.4%
6011.60 · Admin - HR	85,177	50,450	34,727	168.8%
6011.70 · Admin - IT	40,021	34,070	5,951	117.5%
6011.80 · Admin - Meeting	54,603	39,760	14,843	137.3%
6011.90 · Admin - Team Building	14,526	41,550	(27,024)	35.0%
6011.95 · Admin - Training (Give/Receive)	18,611	64,160	(45,549)	29.0%
6017· Temporary Services	24,229	26,040	(1,811)	93.0%
6201 · Advisory Committee	17,103	82,850	(65,747)	20.6%
6301 · Watermaster Board	53,450	83,910	(30,460)	63.7%
8301 · Appropriative Pool	53,296	67,280	(13,984)	79.2%
8401 · Agricultural Pool	16,408	66,000	(49,592)	24.9%
8501 · Non-Agricultural Pool	10,324	62,710	(52,386)	16.5%
6901.1 · OBMP - Document Review	12,464	95,290	(82,826)	13.1%
6901.3 · OBMP - Field Work	1,153	50,870	(49,717)	2.3%
6901.5 · OBMP - General	48,727	81,120	(32,393)	60.1%
6901.7 · OBMP - Meeting	18,333	80,360	(62,027)	22.8%
6901.9 · OBMP - Reporting	5,934	11,040	(5,106)	53.7%
7104.1 · PE1 - Monitoring Program	110,349	275,490	(165,141)	40.1%
7201 · PE2 - Comprehensive Recharge	42,469	71,750	(29,281)	59.2%
7301 · PE3&5 - Water Supply/Desalter	-	9,510	(9,510)	0.0%
7301.1 · PE5 - Reg. Supply Water Prgm.	840	9,510	(8,671)	8.8%
7401 · PE4 - MZ1 Subsidence Mgmt. Plan	-	14,040	(14,040)	0.0%
7501 · PE6 - Coop. Programs/Salt Mgmt.	5,766	9,510	(3,744)	60.6%
7501.1 · PE 7 - Salt Nutrient Mgmt. Plan	3,203	9,510	(6,307)	33.7%
7601 · PE8&9 - Storage Mgmt./Recovery	21,561	22,520	(959)	95.7%
Subtotal WM Staff Costs	**1,230,946**	**2,529,290**	**(1,298,344)**	**49%**
60184.1 · Administrative Leave	-	6,550	(6,550)	0.0%
60185 · Vacation	84,567	90,280	(5,713)	93.7%
60185.1 · Comp Time	6,762	-	6,762	100.0%
60186 · Sick Leave	22,387	79,450	(57,063)	28.2%
60187 · Holidays	72,780	99,330	(26,550)	73.3%
Subtotal WM Paid Leaves	**186,496**	**275,610**	**(89,114)**	**68%**
Total WM Salary Costs	**1,417,442**	**2,804,900**	**(1,387,458)**	**50.5%**

Engineering

The following table details the Year-To-Date (YTD) Actual Engineering costs compared to the FY 24 adopted budget. The "$ Over Budget" and the "% of Budget" columns are a comparison of the YTD actual to the annual budget. As of January 31st, the target budget percentage is generally 58%.

	Year to Date Actual	FY 24-25 Budget	$ Over / (Under) Budget	% of Budget
Engineering Services Costs				
5901.8 · Judgment Admin - Meetings-Engineering Services	$ -	$ 37,066	$ (37,066)	0.0%
5906.71 · Judgment Admin - Data Requests-CBWM Staff	38,822	101,048	(62,226)	38.4%
5906.72 · Judgment Admin - Data Requests-Non-CBWM Staff	33,399	37,008	(3,609)	90.2%
5925 · Judgment Admin - Ag Production & Estimation	19,707	31,096	(11,390)	63.4%
5935 · Judgment Admin - Mat'l Physical Injury Requests	1,488	39,452	(37,965)	3.8%
5945 · Judgment Admin - WM Annual Report Preparation	12,659	16,924	(4,266)	74.8%
5965 · Judgment Admin - Support Data Collection & Mgmt Process	-	39,659	(39,659)	0.0%
6206 · Advisory Committee Meetings-WY Staff	4,257	23,510	(19,253)	18.1%
6306 · Watermaster Board Meetings-WY Staff	12,231	23,510	(11,279)	52.0%
8306 · Appropriative Pool Meetings-WY Staff	10,880	23,510	(12,630)	46.3%
8406 · Agricultural Pool Meetings-WY Staff	10,156	23,510	(13,354)	43.2%
8506 · Non-Agricultural Pool Meetings-WY Staff	6,456	23,510	(17,054)	27.5%
6901.8 · OBMP - Meetings-WY Staff	19,358	37,066	(17,708)	52.2%
6901.95 · OBMP - Reporting-WY Staff	40,228	62,606	(22,378)	64.3%
6906 · OBMP Engineering Services - Other	47,698	51,440	(3,743)	92.7%
6906.1 · OBMP Watermaster Model Update	6,552	67,596	(61,044)	9.7%
6906.21 · State of the Basin Report	44,574	195,188	(150,614)	22.8%
7104.3 · Grdwtr Level-Engineering	133,926	254,627	(120,701)	52.6%
7104.8 · Grdwtr Level-Contracted Services	11,800	26,174	(14,374)	45.1%
7104.9 · Grdwtr Level-Capital Equipment	4,896	17,000	(12,104)	28.8%
7202 · PE2-Comp Recharge-Engineering Services	5,116	23,496	(18,381)	21.8%
7202.2 · PE2-Comp Recharge-Engineering Services	121,337	75,944	45,393	159.8%
7302 · PE3&5-PBHSP Monitoring Program	32,878	73,305	(40,427)	44.9%
7303 · PE3&5-Engineering - Other	3,088	16,180	(13,093)	19.1%
7306 · PE3&5-Engineering - Outside Professionals	-	6,500	(6,500)	0.0%
7402 · PE4-Engineering	146,202	281,239	(135,037)	52.0%
7402.10 · PE4-Northwest MZ1 Area Project	76,348	16,656	59,692	458.4%
7403 · PE4-Eng. Services-Contracted Services-InSar	22,000	39,600	(17,600)	55.6%
7406 · PE4-Engineering Services-Outside Professionals	-	38,600	(38,600)	0.0%
7408 · PE4-Engineering Services-Network Equipment	295	17,553	(17,258)	1.7%
7502 · PE6&7-Engineering	209,812	398,309	(188,497)	52.7%
7505 · PE6&7-Laboratory Services	48,482	61,242	(12,761)	79.2%
7510 · PE6&7-IEUA Salinity Mgmt. Plan	28,891	-	28,891	100.0%
7511 · PE6&7-SAWBMP Task Force-50% IEUA	2,660	27,067	(24,407)	9.8%
7517 · Surface Water Monitoring Plan-Chino Creek - 50% IEUA	24,967	33,574	(8,607)	74.4%
7520 · Preparation of Water Quality Mgmt. Plan	2,783	130,164	(127,381)	2.1%
7610 · PE8&9-Support 2020 Mgmt. Plan	-	32,584	(32,584)	0.0%
7614 · PE8&9-Support Imp. Safe Yield Court Order	277,070	768,963	(491,893)	36.0%
7615 · PE8&9-Develop 2025 Storage Plan	-	42,632	(42,632)	0.0%
Total Engineering Services Costs	**$ 1,461,010**	**$ 3,215,108**	**$ (1,754,098)**	**45.4%**

Legal

The following table details the YTD Brownstein Hyatt Farber Schreck (BHFS) expenses and costs compared to the FY 24 adopted budget. The "$ Over Budget" and the "% of Budget" columns are a comparison of the YTD actual to the annual budget. As of January 31st, the target budget percentage is generally 58%. Due to the timing of billing, the figures below represent legal services provided through December 31, 2024, with a target budget percentage of 50%.

	Year to Date Actual	FY 24-25 Budget	$ Over / (Under) Budget	% of Budget
6070 · Watermaster Legal Services				
6071 · BHFS Legal - Court Coordination	$ 102,084	$ 144,040	$ (41,956)	70.9%
6072 · BHFS Legal - Rules & Regulations	-	10,495	(10,495)	0.0%
6073 · BHFS Legal - Personnel Matters	256,490	28,150	228,340	911.2%
6074 · BHFS Legal - Interagency Issues	-	40,536	(40,536)	0.0%
6077 · BHFS Legal - Party Status Maintenance	-	13,590	(13,590)	0.0%
6078 · BHFS Legal - Miscellaneous (Note 1)	78,108	177,240	(99,132)	44.1%
Total 6070 · Watermaster Legal Services	**436,682**	**414,051**	**22,631**	**105.5%**
6275 · BHFS Legal - Advisory Committee	5,583	27,764	(22,181)	20.1%
6375 · BHFS Legal - Board Meeting	31,673	88,704	(57,031)	35.7%
6375.1 · BHFS Legal - Board Workshop(s)	-	29,215	(29,215)	0.0%
8375 · BHFS Legal - Appropriative Pool	6,487	34,705	(28,218)	18.7%
8475 · BHFS Legal - Agricultural Pool	6,487	34,705	(28,218)	18.7%
8575 · BHFS Legal - Non-Ag Pool	6,487	34,705	(28,218)	18.7%
Total BHFS Legal Services	**56,716**	**249,798**	**(193,082)**	**22.7%**
6907.3 · WM Legal Counsel				
6907.31 · Archibald South Plume	-	12,565	(12,565)	0.0%
6907.32 · Chino Airport Plume	-	12,565	(12,565)	0.0%
6907.33 · Desalter/Hydraulic Control	-	38,680	(38,680)	0.0%
6907.34 · Santa Ana River Water Rights	370	21,405	(21,035)	1.7%
6907.36 · Santa Ana River Habitat	-	31,280	(31,280)	0.0%
6907.38 · Reg. Water Quality Cntrl Board	852	63,200	(62,348)	1.3%
6907.39 · Recharge Master Plan	73,153	14,270	58,883	512.6%
6907.41 · Prado Basin Habitat Sustainability	-	10,290	(10,290)	0.0%
6907.44 · SGMA Compliance	284	10,290	(10,006)	2.8%
6907.45 · OBMP Update	-	177,240	(177,240)	0.0%
6907.47 · 2020 Safe Yield Reset	33,915	80,190	(46,275)	42.3%
6907.48 · Ely Basin Investigation	5,359	64,890	(59,531)	8.3%
6907.49 · San Sevaine Basin Discharge	-	110,080	(110,080)	0.0%
6907.90 · WM Legal Counsel - Unanticipated	-	38,885	(38,885)	0.0%
Total 6907 · WM Legal Counsel	**113,933**	**685,830**	**(571,897)**	**16.6%**
Total Brownstein, Hyatt, Farber, Schreck Costs	**$ 607,331**	**$ 1,349,679**	**$ (742,348)**	**45.0%**

Optimum Basin Management Plan (OBMP)

The following table details the Year-To-Date (YTD) Actual OBMP costs compared to the FY 24 adopted budget. The "$ Over Budget" and the "% of Budget" columns are a comparison of the YTD actual to the annual budget. As of January 31st, the target budget percentage is generally 58%.

	Year to Date Actual	FY 24-25 Budget	$ Over / (Under) Budget	% of Budget
6900 · Optimum Basin Mgmt Plan				
6901.1 · OBMP - Document Review-WM Staff	$ 12,464	$ 95,294	$ (82,830)	13.1%
6901.3 · OBMP - Field Work-WM Staff	1,153	50,870	(49,717)	2.3%
6901.5 · OBMP - General-WM Staff	48,727	81,120	(32,393)	60.1%
6901.7 · OBMP - Meeting-WM Staff	18,333	80,360	(62,027)	22.8%
6901.8 · OBMP - Meeting-West Yost	19,358	37,066	(17,708)	52.2%
6901.9 · OBMP - Reporting-WM Staff	5,934	11,040	(5,106)	53.7%
6901.95 · OBMP - Reporting-West Yost	40,228	62,606	(22,378)	64.3%
Total 6901 · OBMP WM and West Yost Staff	**146,196**	**418,356**	**(272,160)**	**34.9%**
6903 · OBMP - SAWPA				
6903 · OBMP - SAWPA Group	15,984	15,990	(6)	100.0%
Total 6903 · OBMP - SAWPA	**15,984**	**15,990**	**(6)**	**100.0%**
6906 · OBMP Engineering Services				
6906.1 · OBMP - Watermaster Model Update	6,552	67,596	(61,044)	9.7%
6906.21 · State of the Basin Report	44,574	195,188	(150,614)	22.8%
6906 · OBMP Engineering Services - Other	47,698	51,440	(3,743)	92.7%
Total 6906 · OBMP Engineering Services	**98,824**	**314,224**	**(215,401)**	**31.5%**
6907 · OBMP Legal Fees				
6907.31 · Archibald South Plume	-	12,565	(12,565)	0.0%
6907.32 · Chino Airport Plume	-	12,565	(12,565)	0.0%
6907.33 · Desalter/Hydraulic Control	-	38,680	(38,680)	0.0%
6907.34 · Santa Ana River Water Rights	370	21,405	(21,035)	1.7%
6907.36 · Santa Ana River Habitat	-	31,280	(31,280)	0.0%
6907.38 · Reg. Water Quality Cntrl Board	852	63,200	(62,348)	1.3%
6907.39 · Recharge Master Plan	73,153	14,270	58,883	512.6%
6907.41 · Prado Basin Habitat Sustainability	-	10,290	(10,290)	0.0%
6907.44 · SGMA Compliance	284	10,290	(10,006)	2.8%
6907.45 · OBMP Update	-	177,240	(177,240)	0.0%
6907.47 · 2020 Safe Yield Reset	33,915	80,190	(46,275)	42.3%
6907.48 · Ely Basin Investigation	5,359	64,890	(59,531)	8.3%
6907.49 · San Sevaine Basin Discharge	-	110,080	(110,080)	0.0%
6907.90 · WM Legal Counsel - Unanticipated	-	38,885	(38,885)	0.0%
Total 6907 · OBMP Legal Fees	**113,933**	**685,830**	**(571,897)**	**16.6%**
6909 · OBMP Other Expenses				
6909.6 · OBMP Expenses - Miscellaneous	-	-	-	0.0%
Total 6909 · OBMP Other Expenses	**2,172**	**3,540**	**(1,368)**	**61.4%**
Total 6900 · Optimum Basin Mgmt Plan	**$ 377,109**	**$ 1,437,940**	**$ (1,060,831)**	**26.2%**

Chino Basin Watermaster
Monthly Variance Report & Supplemental Schedules
For the period July 1, 2024 to January 31, 2025
(Unaudited)

Judgment Administration

The following table details the Year-To-Date (YTD) Actual Judgment Administration costs compared to the FY 24 adopted budget. The "$ Over Budget" and the "% of Budget" columns are a comparison of the YTD actual to the annual budget. As of January 31st, the target budget percentage is generally 58%.

	Year to Date Actual	FY 24-25 Budget	$ Over / (Under) Budget	% of Budget
5901 · Admin-WM Staff				
5901.1 · Admin-Doc. Review-WM Staff	$ 39,323	$ 93,860	$ (54,537)	41.9%
5901.3 · Admin-Field Work-WM Staff	1,716	11,860	(10,144)	14.5%
5901.5 · Admin-General-WM Staff	5,631	81,090	(75,459)	6.9%
5901.7 · Admin-Meeting-WM Staff	17,927	39,710	(21,783)	45.1%
5901.8 · Admin-Meeting - West Yost	-	37,066	(37,066)	0.0%
5901.9 · Admin-Reporting-WM Staff	2,644	13,890	(11,246)	19.0%
Total 5901 · Admin-WM Staff	**67,240**	**277,476**	**(210,236)**	**24.2%**
5900 · Judgment Admin Other Expenses				
5906.71 · Admin-Data Req-CBWM Staff	38,822	101,048	(62,226)	38.4%
5906.72 · Admin-Data Req-Non CBWM Staff	33,399	37,008	(3,609)	90.2%
5910 · Court Coordination/Attend-WM	3,345	16,970	(13,625)	19.7%
5911 · Exhibit G-WM Staff	1,046	6,400	(5,354)	16.3%
5921 · Production Monitoring-WM Staff	60	5,440	(5,380)	1.1%
5925 · Ag Prod & Estimation-West Yost	19,707	31,096	(11,390)	63.4%
5931 · Recharge Applications-WM Staff	1,658	-	1,658	100.0%
5935 · Admin-Mat'l Phy Inj Requests	1,488	39,459	(37,972)	3.8%
5941 · Reporting-WM Staff	1,648	2,140	(492)	77.0%
5945 · WM Annual Report Prep-West Yost	12,659	16,924	(4,266)	74.8%
5951 · Rules & Regs-WM Staff	-	11,260	(11,260)	0.0%
5961 · Safe Yield-WM Staff	24,175	9,510	14,665	254.2%
5965 · Support Data Collect-West Yost	-	39,659	(39,659)	0.0%
5971 · Storage Agreements-WM Staff	3,204	13,000	(9,796)	24.6%
5981 · Water Acct/Database-WM Staff	54,865	108,290	(53,425)	50.7%
5991 · Water Transactions-WM Staff	4,703	5,330	(627)	88.2%
Total 5900 · Judgment Admin Other Expenses	**200,779**	**443,534**	**(242,755)**	**45.3%**
Total 5900 · Judgment Administration	**$ 268,019**	**$ 721,010**	**$ (452,991)**	**37.2%**

CHINO BASIN WATERMASTER

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STAFF REPORT

DATE: March 27, 2025

TO: Board Members

SUBJECT: OBMP Semi-Annual Status Report 2024-2 (Consent Calendar Item I.C.)

Issue: Pursuant to the September 28, 2000 Court Order under Periodic Reporting Requirements, Watermaster produces the Semi-Annual Optimum Basin Management Program (OBMP) Status Reports. The draft report for the period July to December 2024 is presented for comments, recommendations and adoption. [Discretionary Function]

Recommendation: Adopt the Semi-Annual OBMP Status Report 2024-2, and direct staff to file a copy with the Court, subject to any necessary non-substantive changes.

Financial Impact: None.

ACTIONS:
Appropriative Pool – March 13, 2025 [Final]: Provided advice and assistance.
Non-Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance.
Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance.
Advisory Committee – March 20, 2025 [Final]: Provided advice and assistance.
Watermaster Board – March 27, 2025 [Recommended]: Adopt and direct staff to file with the Court.

BACKGROUND

The OBMP Semi-Annual Status Report 2024-2 covers the period from July to December 2024. The report describes work conducted, and the status of the nine Program Elements of the Optimum Basin Management Program during the six-month period.

DISCUSSION

OBMP Semi-Annual Status Report 2024-2 has been drafted (Attachment 1). Once adopted by the Watermaster Board, a copy of the OBMP Semi-Annual Status Report 2024-2 will be filed with the Court.

At the Pool Committee meetings held on March 13, 2025, the Appropriative and Overlying (Agricultural) Pools unanimously recommended Advisory Committee to recommend to the Watermaster Board to adopt the Report. The Overlying (Non-Agricultural) Pool unanimously recommended its representatives to support at Advisory Committee and Watermaster Board subject to changes they deem appropriate.

On March 20, 2025, this item was presented to the Advisory Committee for consideration. The Advisory Committee unanimously recommended the Watermaster Board to adopt the OBMP Semi-Annual Status Report 2024-2 and direct staff to file a copy with the Court, subject to any necessary non-substantive changes.

ATTACHMENTS
1. OBMP Semi-Annual Status Report 2024-2

Optimum Basin Management Program

Staff Status Report 2024-2: July to December 2024

CHINO BASIN WATERMASTER

Highlighted Activities

- About 300 manual water level measurements from 35 private and 12 municipal supply wells were taken; two quarterly data downloads were conducted from 140 pressure transducers installed at various well sites; groundwater quality samples from three near river wells and four quarterly surface water quality samples from two sites were taken. Also during this reporting period, Watermaster collected groundwater quality samples from 11 MZ3 monitoring wells, 21 HCMP monitoring wells, 17 PBHSP monitoring wells, and 22 private wells.
- Pursuant to the requirement of the Peace II Subsequent Environmental Impact Report (SEIR), Watermaster, the Inland Empire Utilities Agency (IEUA), and the Orange County Water District (OCWD) continued to implement the Prado Basin Habitat Sustainability Program (PBHSP). During the reporting period, Watermaster conducted two quarterly downloads of pressure transducers at the 18 PBHSP monitoring wells, collected quarterly water quality parameters at four surface water sites, collected and reviewed riparian habitat remote sensing data for water year 2024, and collected a high-resolution air photo for the Prado Basin area.

Important Court Hearings and Orders

- **NOVEMBER 15, 2024:**
  HEARING ON: 1) THE APPROPRIATIVE POOL'S MOTION FOR AWARD OF EXPENSES, INCLUDING ATTORNEY FEES PER CONTRACT AND CIVIL CODE SECTION 1717; 2) WATERMASTER'S MOTION FOR COURT TO RECEIVE AND FILE WATERMASTER SEMI-ANNUAL OBMP STATUS REPORT 2024-1; AND ORDER GRANTING WATERMASTER'S MOTION FOR COURT TO RECEIVE AND FILE WATERMASTER SEMI-ANNUAL OBMP STATUS REPORT 2024-1

- Watermaster, in collaboration with the IEUA, initiated a new monitoring program in August 2024 to collect surface water quality samples from eight sites along Chino Creek on a monthly basis. This program aims to gather sufficient data to support the state-wide assessment of impaired water bodies. During this reporting period, 40 quarterly surface water quality samples were collected and sent to IEUA laboratories for analysis.
- Pursuant to the Chino Basin Subsidence Management Plan, Watermaster continued to implement the Ground-Level Monitoring Program (GLMP) for the MZ-1 and Northwest MZ1 areas. Watermaster collected, processed, and checked groundwater level data and aquifer-system deformation data from the Ayala Park, Chino Creek, and Pomona extensometer facilities, and groundwater production data from wells in Northwest MZ-1; continued high-resolution water-level monitoring at about 30 wells within the MZ-1 Managed Area and the Areas of Subsidence Concern; conducted one committee meeting in October 2024; and prepared the draft and final *2023-24 Annual Report for the Ground-Level Monitoring Program*.
- Watermaster finalized the technical memorandum on the 1D Model Simulation of Subsidence in Northwest MZ-1— Subsidence Management Alternative #1, which included a recommended "Northwest MZ-1 Guidance Level" to slow down rates of compaction and subsidence in Northwest MZ-1 area. Watermaster began work to construct and calibrate three new 1D Models in Ontario, near the CDA well field, and Ayala Park Extensometer.
- Watermaster and the IEUA continued to implement the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU). Construction of the Wineville/Jurupa/RP3 continued, and the Lower Day project was completed. IEUA submitted a grant application for the Montclair Basins project which is delayed, and the updated project completion date is fall 2026. Watermaster and the IEUA recharged a total of 26,098 acre-feet of water: 748 acre-feet of stormwater, 9,373 acre-feet of recycled water, and 15,977 acre-feet of imported water.
- Watermaster and the IEUA continued to implement the Maximum Benefit Salt and Nutrient Management Plan and provide support to the Santa Ana Water Board staff on the Basin Plan amendment to update the commitments and requirements for the Maximum Benefit Salt and Nutrient Management Plan.
- Watermaster continued to implement elements of the 2017 Court Order, including the completion of the annual data collection and evaluation process covering the period through fiscal year 2022/23, and the continuation of the process to reevaluate the Safe Yield of the Chino Basin for the period of fiscal year 2021 through 2030.
- In December 2024, Watermaster filed a motion to approve an increase in the Safe Storage Capacity of the Chino Basin to 900,000 acre-feet through June 30, 2040.

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

Fundamental to the implementation of the OBMP Program Elements are the monitoring and data collection efforts performed in accordance with Program Element 1, including monitoring basin hydrology, production, recharge, groundwater levels, groundwater quality, and ground-level movement. Various monitoring programs have and will continue to be refined over time to satisfy the evolving needs of Watermaster and the IEUA, such as new regulatory requirements and improved data coverage. Monitoring is performed by basin pumpers, Watermaster staff, and other cooperating entities as follows.

Groundwater Level Monitoring

Watermaster's basin-wide groundwater-level monitoring program supports the periodic reassessment of Safe Yield, the monitoring and management of ground-level movement, the impact analysis of desalter pumping, the impact analysis of the implementation of the Peace II Agreement on groundwater levels and riparian vegetation in the Prado Basin, the triennial recomputation of ambient water quality mandated by the Water Quality Control Plan for the Santa Ana River Basin (Basin Plan), and the assessment of Hydraulic Control—a maximum-benefit commitment in the Basin Plan. The data are also used to update and recalibrate Watermaster's computer-simulated groundwater flow model in order to assess groundwater flow directions, to compute storage changes, to support interpretations of water quality data, recompute the safe yield, and to identify areas of the basin where recharge and discharge are not in balance.

The current groundwater-level monitoring program is comprised of approximately 1,150 wells. At about 960 of these wells, groundwater levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substances Control (DTSC), the Counties, and various private consulting firms. Watermaster collects these groundwater level data semi-annually from the well owners. At the remaining 190 wells, groundwater levels are measured monthly by Watermaster staff using manual methods or by pressure transducers that record data on a 15-minute interval. These wells are mainly Agricultural Pool wells or dedicated monitoring wells located south of the 60 freeway.

Rehabilitation Conducted on a Monitoring Well

All groundwater-level data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVE℠. During this reporting period, Watermaster measured approximately 300 groundwater levels at about 38 private wells and 12 municipal supply wells throughout the Chino Basin and conducted two quarterly downloads of about 140 pressure transducers installed in private, municipal, and monitoring wells. Additionally, Watermaster compiled all available groundwater level data from well owners in the basin for the April to September 2024 period.

Groundwater Quality Monitoring

Watermaster initiated a comprehensive groundwater-quality monitoring program in which the obtained data may be used for: the biennial *Chino Basin OBMP State of the Basin* report, the triennial re-computation of ambient water quality, the demonstration of Hydraulic Control—a maximum-benefit commitment in the Basin Plan, monitoring of nonpoint-source groundwater contamination and plumes associated with point-source contamination, and assessing the overall health of the groundwater basin. Groundwater-quality data are also used in conjunction with numerical models to assist Watermaster and other parties in evaluating proposed salinity management and groundwater remediation strategies. The details of the groundwater-quality monitoring programs as of fiscal year 2024/25 are described below.

Chino Basin Data Collection (CBDC). Watermaster routinely and proactively collects groundwater-quality data from well owners including municipal and governmental agencies. Groundwater quality data are also obtained from special studies and monitoring required by orders of the Santa Ana Regional Water Quality Control Board (Santa Ana Water Board)—such as for landfills and other groundwater quality investigations, the DTSC, the US Geological Survey (USGS), and others. These data are collected semi-annually from well owners and monitoring entities. Data are collected for approximately 860 wells as part of the CBDC program. During this reporting period, Watermaster compiled data for the CBDC program for the January to June 2024 period. All groundwater quality data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVE℠.

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

Watermaster Field Groundwater Quality Monitoring Programs. Watermaster monitors groundwater quality at privately owned wells and dedicated monitoring wells on a routine basis as follows:

1. *Private Wells*. About 65 private wells, located predominantly in the southern portion of the basin, are sampled at various frequencies based on their proximity to known point-source contamination plumes. Seven wells near contaminant plumes are sampled annually, and the remaining 58 wells are sampled triennially.

2. *Watermaster Monitoring Wells*. Watermaster collects groundwater-quality samples from a total of 49 multi-nested monitoring wells at 21 well sites located throughout the Chino Basin. These monitoring well sites include: nine HCMP sites constructed to support the demonstration of Hydraulic Control in the southern Chino Basin, nine sites constructed to support the PBHSP in the Prado Basin region, and three sites that fill spatial data gaps near contamination plumes in MZ-3. Each nested well site contains up to four wells in the borehole. Additionally, Watermaster samples one single-casing well in MZ-3. Currently, the HCMP MZ-3, and Kaiser monitoring wells are sampled annually, and the PBHSP wells are sampled triennially.

3. *Other Wells*. Watermaster collects quarterly samples from three near-river wells to characterize the interaction of the Santa Ana River and groundwater. These shallow wells along the Santa Ana River consist of two former USGS National Water Quality Assessment Program wells (Archibald 1 and Archibald 2) and one Santa Ana River Water Company (SARWC) well (active Well 9). Until early 2023, there was a fourth near-river well, SARWC well 10, that was part of this monitoring program. SARWC well 10 is no longer able to be sampled because it is an old well that has deteriorated and filled in.

During this reporting period, Watermaster collected quarterly groundwater quality samples from three near river wells. Also during this reporting period, Watermaster collected groundwater quality samples from: 11 MZ3 monitoring wells, 21 HCMP monitoring wells, 17 PBHSP monitoring wells, and 22 private wells. The samples were sent to Clinical Laboratories for analysis. All groundwater quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVE℠.

Groundwater Production Monitoring

As of the end of this reporting period, there were a total of 415 producing wells, 222 of which were for agricultural uses. The number of agricultural wells has been decreasing in recent years due to urbanization and development. Many of the remaining active agricultural production wells are metered, and Watermaster reads the meters on a quarterly basis. Meter reads and production data are then entered into Watermaster's relational database, which can be accessed online through HydroDaVE℠.

Agricultural Meters are Being Replaced with Digital Meters

Surface Water Monitoring

CBDC of Surface Water Data. Watermaster routinely and proactively collects surface water flow and quality data from the tributary area to Chino Basin and Prado Dam terminus of the Santa Ana River. Data is collected from IEUA and publicly available data sets including California Integrated Water Quality System Project (CIWQS) and the USGS. Data are collected for approximately 30 surface water locations as part of the CBDC program. These data are collected semi-annually. During this reporting period, Watermaster collected surface water data for the January to June 2024 period. All groundwater quality data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVE℠.

Watermaster Field Surface Water Monitoring Programs. Watermaster monitors surface water quality on a routine basis as follows:

Watermaster collects grab water quality samples at two sites along the Santa Ana River (Santa Ana River at River Road and Santa Ana River at Etiwanda) on a quarterly basis. Sample data from these surface water sites and from the near-river wells are used to characterize the interaction between the Santa Ana River and nearby groundwater. During this reporting period, Watermaster collected four quarterly surface water-quality samples from the two surface water sites. The samples were sent to Clinical Laboratories for analysis.

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

Watermaster collects grab water quality samples at 8 sites along Chino Creek on a monthly basis. This is part of new monitoring program that was initiated at the start of this reporting period in July 2024. Watermaster with the IEUA developed this monitoring program to conduct monitoring of Chino Creek to have sufficient data to support the next round of the state-wide assessment of impaired water bodies subject to listing pursuant to Clean Water Act 303(d) Category 3 by the State Board and Regional Water Boards (see PE 7 Development of a surface water monitoring program in Chino Creek). During this reporting period, Watermaster and IEUA collected 40 quarterly surface water-quality samples from the eight surface water sites. The samples were sent the Laboratories at IEUA for analysis.

Prado Basin Habitat Sustainability Program (PBHSP)

Mitigation Measure 4.4-3 from the Peace II SEIR requires that Watermaster and the IEUA, in collaboration with the OCWD, form a committee, the Prado Basin Habitat Sustainability Committee (PBHSC), to develop and implement an Adaptive Management Plan for the PBHSP. The PBHSC is open to all interested participants, including the Watermaster Parties, IEUA member agencies, the OCWD, and other interested stakeholders. The objective of the PBHSP is to ensure that riparian habitat in the Prado Basin is not adversely impacted by the implementation of Peace II activities. Currently, the PBHSP consists of a monitoring program and the annual reporting on its results. The monitoring program includes an assessment of the riparian habitat and factors that could potentially impact the riparian habitat, including those factors affected by Peace II activities such as changes in groundwater levels. Sixteen monitoring wells at nine sites were constructed in 2015 to support the PBHSP. Two existing wells are also monitored as part of the PBHSP. The PBHSC developed the Adaptive Management Plan of the PBHSP to describe an initial monitoring program and a process to modify the monitoring program and/or implement mitigation strategies, as necessary.

During this reporting period, Watermaster performed the following tasks:

- Conducted the groundwater monitoring program, which included quarterly downloads in September and December 2024 of transducers that measure groundwater levels and temperature at eight PBHSP monitoring wells, and transducers that measure electrical conductivity (EC), temperature, and groundwater levels at ten PBHSP monitoring wells.
- Conducted the surface-water monitoring program at four surface water sites, which included quarterly collection of field parameters for EC and temperature in September and December 2024.
- Collected and reviewed the following riparian habitat monitoring data:
    - Normalized Difference Vegetation Index (NDVI) remote sensing data collected from Landsat satellites and processed by the USGS for water year 2024.
    - A custom flight to collect a high-resolution air photo for 2024 of the Prado Basin area. This was cost shared with the OCWD.

Chino Basin Groundwater Recharge Monitoring Program

Watermaster, the IEUA, the Chino Basin Water Conservation District, and the San Bernardino County Flood Control District jointly sponsor the Chino Basin Groundwater Recharge Program. This is a comprehensive water supply program to enhance water supply reliability and improve groundwater quality in local drinking water wells by increasing the recharge of storm, imported, and recycled waters. The recharge program is regulated under the IEUA and Watermaster's recycled water recharge permit— Santa Ana Water Board Order No. R8-2007-0039 and Monitoring and Reporting Program No. R8-2007-0039.

Watermaster and the IEUA measure the quantity of storm, imported, and recycled water that enters recharge basins using pressure transducers or staff gauges. The IEUA also conducts water-quality monitoring for all required parameters in Order No. R8-2007-0039 for recycled water, diluent water (storm water, dry-weather flow, and imported water), and groundwater. The IEUA staff samples for recycled water quality data: daily and weekly for the RP-1 and RP-4 effluent; quarterly and annually at two recycled water locations representative of recharge quality; and monthly from lysimeters at recharge basins. Most of the recycled water recharge basins have alternative compliance plans for total organic carbon (TOC) and total nitrogen (TN) using the results from the recycled water samples and the application of a correction factor for soil aquifer treatment. The IEUA also collects samples at about 15 surface water locations for stormwater and dry-weather flows. Imported water quality data for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC). The flow and quality data is used to calculate: 120-month blended water quality for total dissolved solids (TDS) and nitrate of all recharge sources in each recharge basin to assess adequate dilution of recycled water as required by the recycled water recharge permits held with the Division of Drinking Water

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

(DDW); and 5-year blended water quality for TDS and nitrate for all recharge sources in all recharge basins in the Chino Basin as required by the Maximum Benefit Salinity Management Plan (see the Program Element 7 update in this status report).

The IEUA also collects quarterly and annual groundwater quality samples at a network of about 35 dedicated monitoring wells and production wells that are downgradient of the recharge basins.

Monitoring Activities. During this reporting period, the IEUA performed its ongoing monitoring program to measure and record recharge volumes and to collect water quality samples for recycled water, diluent water, and groundwater pursuant to IEUA and Watermaster's permit requirements. This included collecting approximately 110 recycled water quality samples, 2 lysimeter samples, 6 diluent water quality samples, and 71 groundwater quality samples for analytical analyses. Daily composite water quality data was also collected at the RP-1 and RP-4 effluent.

Reporting. Watermaster and the IEUA completed the following compliance reports concerning the recharge program during this reporting period:

- 2Q-2024 Quarterly Report, which was submitted to the Santa Ana Water Board on August 15, 2024
- 3Q-2024 Quarterly Report, which was submitted to the Santa Ana Water Board on November 15, 2024

Ground Level Monitoring

To address the historical occurrence of land subsidence and ground fissuring in the Chino Basin, Watermaster prepared and submitted a subsidence management plan (known as the MZ-1 Plan) to the Court for approval and in November 2007, the Court ordered its implementation (see Program Element 4 in this report for more on MZ-1 Plan implementation). The MZ-1 Plan required several monitoring and mitigation measures to minimize or abate the future occurrence of land subsidence and ground fissuring. These measures and activities included:

- Continuing the scope and frequency of monitoring within the so-called Managed Area that was conducted during the period when the MZ-1 Plan was being developed.
- Expanding the monitoring of the aquifer system and ground-level movement into other areas of MZ-1 and the Chino Basin where data indicate concern for future subsidence and ground fissuring (Areas of Subsidence Concern).
- Monitoring of horizontal strain across the historical zone of ground fissuring.
- Conducting additional testing and monitoring to refine the MZ-1 Guidance Criteria for subsidence management (e.g., the Long-Term Pumping Test).
- Developing alternative pumping plans for the MZ-1 producers impacted by the MZ-1 Plan.
- Constructing and testing a lower-cost cable extensometer facility at Ayala Park.
- Evaluating and comparing ground-level surveying and Interferometric Synthetic Aperture Radar (InSAR) and recommending future monitoring protocols for both techniques.
- Conducting an aquifer storage recovery (ASR) feasibility study at a City of Chino Hills production well (Well 16) within the MZ-1 Managed Area.

Since the initial MZ-1 Plan was adopted in 2007, Watermaster has conducted the Ground-Level Monitoring Program. The main results from the GLMP show that very little permanent land subsidence has occurred in the MZ-1 Managed Area, indicating that subsidence is being successfully managed in this area, but land subsidence has been occurring in Northwest MZ-1. One concern is that land subsidence in Northwest MZ-1 has occurred differentially across the San Jose Fault, following the same pattern of differential subsidence that occurred in the MZ-1 Managed Area during the time of ground fissuring.

Based on these observations, Watermaster determined that the subsidence management plan needed to be updated to include a Subsidence Management Plan for Northwest MZ-1, with the long-term objective of minimizing or abating the occurrence of the differential land subsidence. Thus, Watermaster expanded the GLMP into Northwest MZ-1 and prepared an updated Chino Basin Subsidence Management Plan, which included the Work Plan to Develop a Subsidence Management Plan for Northwest MZ-1 (Work Plan) as an appendix.

Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

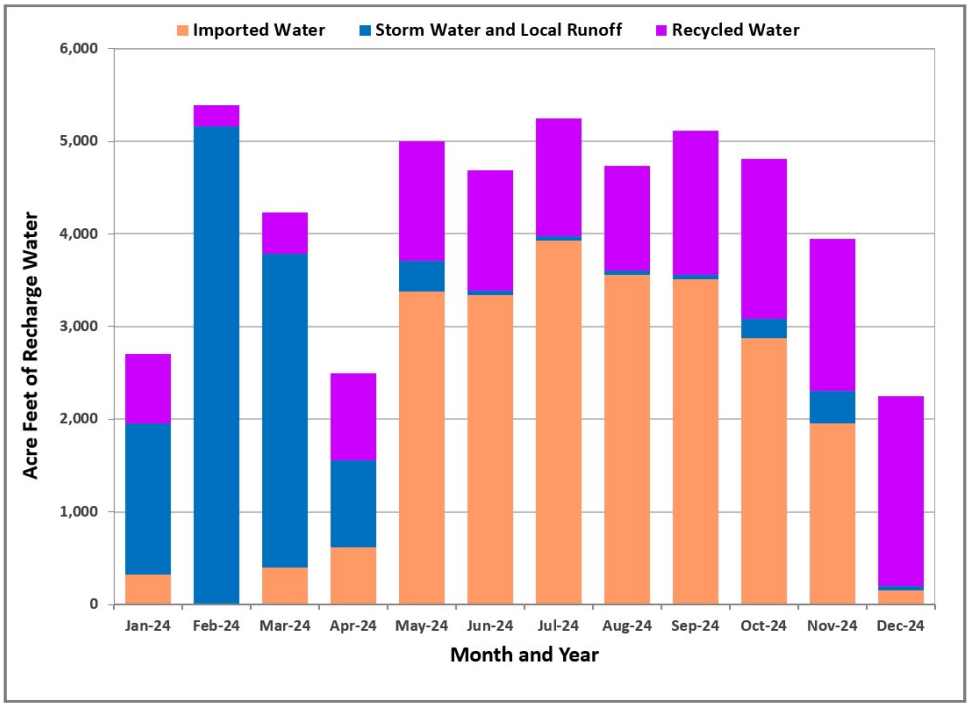
During this reporting period, Watermaster undertook the following Chino Basin Subsidence Management Plan activities:

- Continued high-resolution water-level monitoring at approximately 30 wells within the MZ-1 Managed Area and within the Areas of Subsidence Concern. All monitoring equipment was inspected at least quarterly and was repaired and/or replaced as necessary. The data collected were checked and analyzed to assess the functionality of the monitoring equipment and for compliance with the Chino Basin Subsidence Management Plan.
- Performed monthly maintenance, data collection, and verification at the Ayala Park, Chino Creek, and Pomona extensometer facilities. This included two special efforts: (i) develop plans and cost estimates to automate data collection at the extensometer facilities and (ii) improve the extensometer monitoring at the Pomona Extensometer.
- Performed InSAR analyses of vertical ground motion across all areas of subsidence concern for the periods 2022-23 and 2023-24.
- Continued monitoring of Northwest MZ-1 pursuant to the Work Plan:
    - Collected, processed, and checked groundwater level and production data from wells in Northwest MZ-1 on a monthly basis.

Program Element 2: Develop and Implement a Comprehensive Recharge Program

The objectives of the comprehensive recharge program include: enhancing the yield of the Chino Basin through the development and implementation of a Recharge Master Plan to improve, expand, and construct recharge facilities that enable the recharge of storm, recycled, and imported waters; ensuring a balance of recharge and discharge in the Chino Basin management zones; and ensuring that sufficient storm and imported waters are recharged to comply with the recycled water dilution requirements in Watermaster and the IEUA's recycled water recharge permits.

Pursuant to Program Element 2 of the OBMP, Watermaster and the IEUA partnered with the San Bernardino County Flood Control District and the Chino Basin Water Conservation District to construct and/or improve 18 recharge sites. This project is known as the Chino Basin Facilities Improvement Project (CBFIP). The average annual stormwater recharge of the CBFIP facilities is approximately 10,000 acre-feet per year, the supplemental "wet"[1] water recharge capacity is about 56,600 acre-feet per year, and the in-lieu supplemental water recharge capacity ranges from 26,600 to 45,200 acre-feet per year. In addition to the CBFIP facilities, the Monte Vista Water District (MVWD) has four ASR wells with a well injection capacity of about 5,500 acre-feet per year. The current total supplemental water recharge capacity ranges from 99,000 to 123,000 acre-feet per year, which is greater than the projected supplemental water recharge capacity required by Watermaster.



[1] The modifier "wet" means actual physical water is being recharged in spreading basins as opposed to the dedication of water from storage or in-lieu recharge.

Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

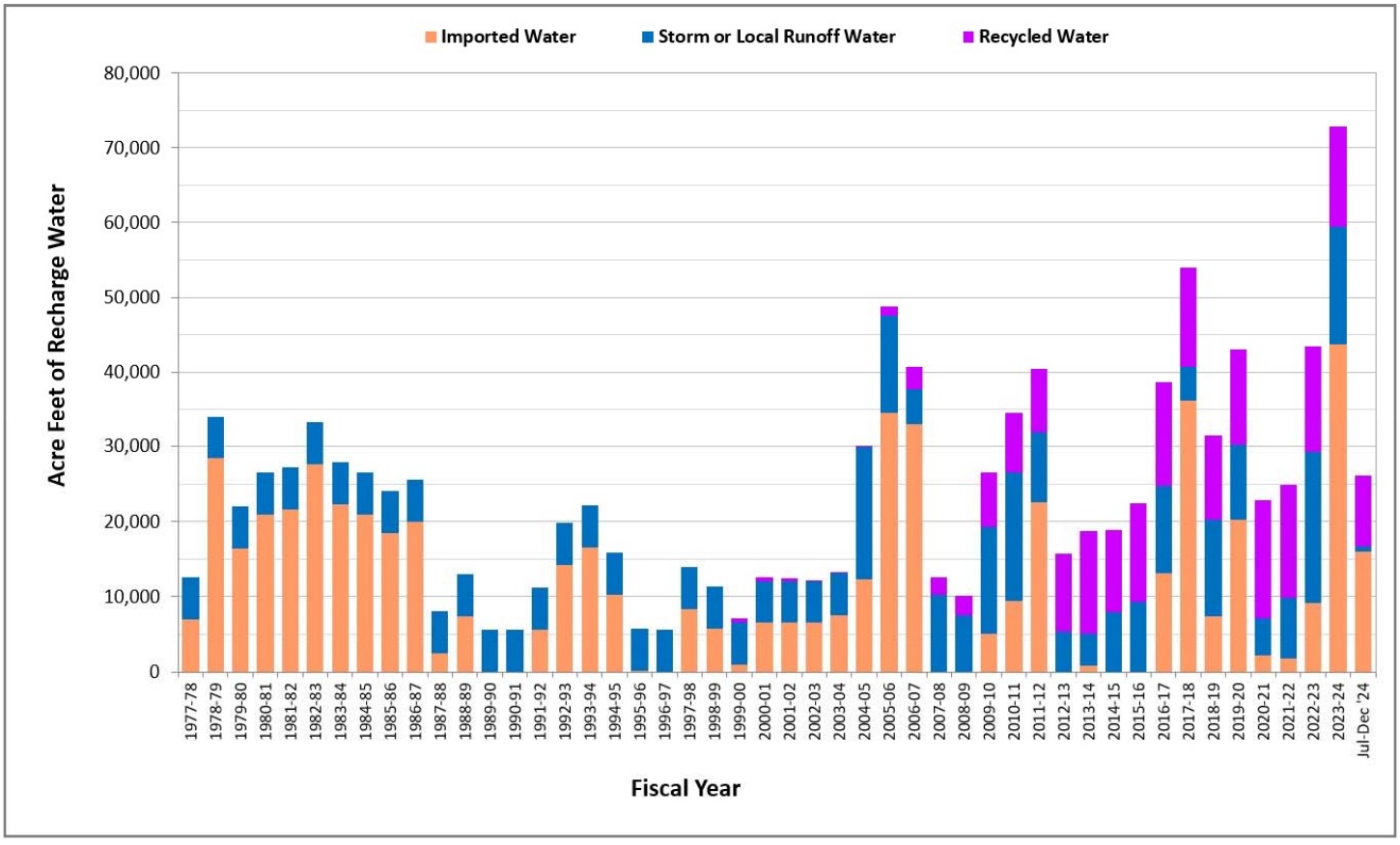
In 2008, Watermaster began preparing the *2010 Recharge Master Plan Update* (2010 RMPU) pursuant to the December 21, 2007 Court Order (the Peace II Agreement) to complete a Recharge Master Plan Update by July 1, 2010. In October 2010, the Court accepted the 2010 RMPU as satisfying the condition and ordered that certain recommendations of the 2010 RMPU be implemented. In November 2011, Watermaster reported its progress to the Court pursuant to the October 2010 Court Order, and in December 2011, the Court issued an order directing Watermaster to continue with its implementation of the 2010 RMPU per its October 2010 order but with a revised schedule. On December 15, 2011, the Watermaster Board moved to:

> "approve that within the next year there will be the completion of [a] Recharge Master Plan Update, there will be the development of an Implementation Plan to address balance issues within the Chino Basin subzones, and the development of a Funding Plan, as presented."

This motion led to the development of an update to the 2010 RMPU and in 2012, Watermaster staff sent out a "call for projects" to the Watermaster Parties, seeking their recommendations for recharge improvement projects that should be considered in the update. The *2013 Amendment to the 2010 Recharge Master Plan Update* (2013 RMPU) outlines the recommended projects to be implemented by Watermaster and the IEUA and lays out the implementation and financing plans. The 2013 RMPU report was approved by the Watermaster Board in September 2013 and filed with the Court in October 2013. In December 2013, the Court approved the 2013 RMPU except for Section 5, which dealt with the accounting for new recharge from Municipal Separate Stormwater Sewer Systems; Section 5 was later approved by the Court in April 2014.

In September 2018, Watermaster completed the 2018 Recharge Master Plan Update (2018 RMPU) and submitted it to the Court in October 2018. On December 28, 2018, the Court approved the 2018 RMPU.

In September 2023, Watermaster completed the 2023 Recharge Master Plan Update (2023 RMPU) and submitted it to the Court in October 2023. The Court approved the 2023 RMPU on December 6, 2023.



Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

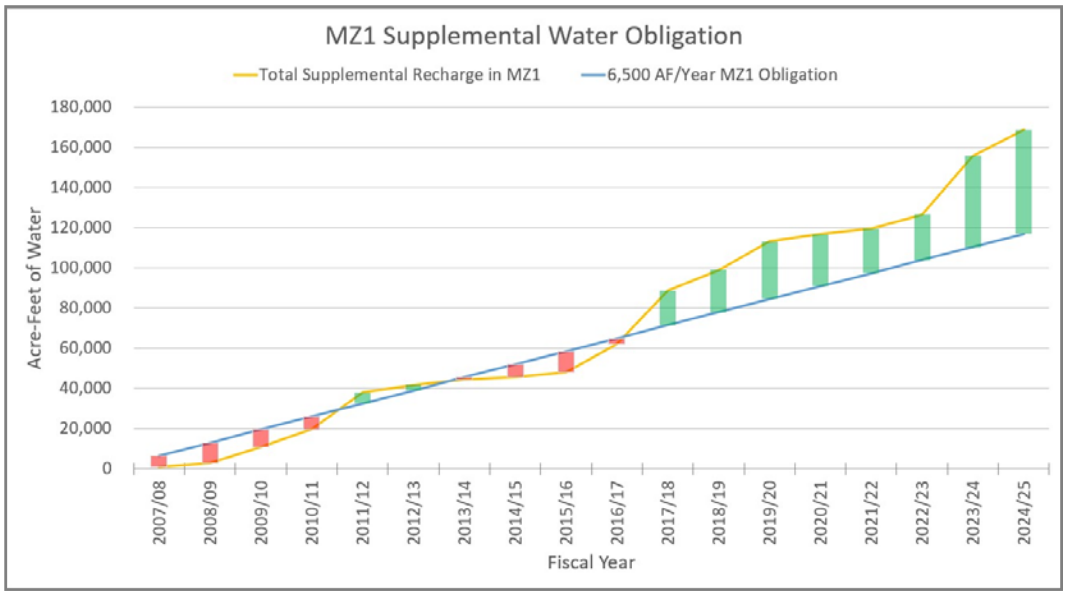
2013 RMPU Implementation. Watermaster and the IEUA are continuing to carry out the October 2013 Court Order, which authorizes them to implement the 2013 RMPU. Construction of the San Sevaine Basin improvements was completed in September 2018, the construction of the Victoria Basin improvements was completed in December 2018, and the construction of the Lower Day project was completed in August 2024. During this reporting period, the construction work for Wineville/Jurupa/RP3 continued. IEUA submitted an application for additional grant funding for the Montclair Basins project, which was delayed due to the permitting process with the Department of Fish and Wildlife and Basin operations for Dry-Year-Yield deliveries. The updated project completion date for Montclair Basins is fall 2026.

Additionally, Watermaster and the IEUA continue to collaborate in the development of projects outside of the 2013 RMPU effort that will increase and/or facilitate stormwater and supplemental water recharge and have jointly funded these projects, including monitoring upgrades and habitat conservation. During this reporting period, no projects were completed.

The Recharge Investigation and Projects Committee met two times during this reporting period on the progress of implementing the 2013 RMPU Projects and other recharge-related projects.

Recharge for Dilution of Recycled Water. In fiscal year 2009/10, Watermaster and the IEUA's recycled water recharge permit was amended to allow for existing underflow dilution and extended the period for calculating dilution from a running 60-month to a running 120-month period. Additionally, the IEUA has worked with the DDW to obtain approval to increase the allowable recycled water contribution (RWC) at wells to 50 percent. These permit amendments allow for increased recycled water recharge without having to increase the amount of imported and storm waters required for dilution. The IEUA projects its dilution requirements as part of its annual reporting to the Santa Ana Water Board. Based on the latest Annual Report (May 2024)[2], the IEUA projects that dilution requirements will be met through 2031 even if no imported water is available for dilution.

Recharge Activities. During this reporting period, ongoing recycled water recharge occurred in the Brooks, 8th Street, Ely, Turner, Victoria, San Sevaine, Hickory, Banana, RP-3, and Declez Basins; stormwater was recharged at 18 recharge basins across all Chino Basin management zones; and imported water was recharged at the Intex property, Upland, College Heights, Montclair, Lower Day, Etiwanda, San Sevaine, Jurupa, Hickory, and RP-3. From July 1 through December 31, 2024, Watermaster and the IEUA recharged a total of 26,098 acre-feet of water: 748 acre-feet of stormwater, 9,373 acre-feet of recycled water, and 15,977 acre-feet of imported water.



Balance of Recharge and Discharge in MZ-1. The total amount of supplemental water recharged in MZ-1 since the Peace II Agreement through December 31, 2024 was approximately 168,739 acre-feet, which is about 51,739 acre-feet more than the 117,000 acre-feet required by June 30, 2025 (annual requirement of 6,500 acre-feet). The amount of supplemental water recharged into MZ1 during the reporting period was approximately 13,027 acre-feet.

[2] https://www.ieua.org/wp-content/uploads/2024/05/CBRW-GRP-2023-Annual-Report-Final.pdf

Program Element 3: Develop and Implement Water Supply Plan for the Impaired Areas of the Basin; and Program Element 5: Develop and Implement Regional Supplemental Water Program

As stated in the OBMP, "the goal of Program Elements 3 and 5 is to develop a regional, long range, cost effective, equitable, water supply plan for producers in the Chino Basin that incorporates sound basin management." One element of the water supply plan is to replace the decline in agricultural groundwater production in the south part of the Basin to prevent significant amounts of degraded groundwater from discharging to the Santa Ana River and achieve Hydraulic Control—a maximum-benefit commitment in the Basin Plan. Replacing the decline in agricultural groundwater production will also mitigate the reduction of the Safe Yield of the basin and allow for more flexibility in the basin's supplemental water supplies if the produced groundwater is treated. This is achieved through the operation of the Chino Basin Desalter facilities, which comprise a series of wells and treatment facilities in the southern Chino Basin designed to replace the decline of the agricultural groundwater producers and treat and serve this groundwater to various Appropriative Pool members.

The Chino I Desalter expansion and the Chino II Desalter facilities were completed in February 2006, bringing the total Chino Basin Desalter capacity to about 32,500 acre-feet per year (29 million gallons per day [MGD]). Development and planning continued between the Chino Basin Desalter Authority (CDA) and Watermaster to expand the groundwater production and treatment capacity of the Chino Basin Desalters by another 10 MGD for a total groundwater production to 40,000 acre-feet per year. More than $77 million in grant funds were secured toward this expansion. As currently configured, the Chino I Desalter treats about 14,500 acre-feet of groundwater per year (12.9 MGD) pumped from 14 wells (I-1 through I-11, I-13 through I-18, I-20, and I-21). This water is treated through ion exchange (nitrate removal), and/or reverse osmosis (for nitrate and TDS removal), and granulated activated carbon ([GAC] for volatile organic compound [VOC] removal). The VOC removal at Chino II Desalter is part of the remedial solution for the Chino Airport Plume (see Chino Airport Plumes section under PE 6 in this report). The Chino II Desalter treat about 25,500 acre-feet of groundwater per year (22.7 MGD) from pumping at eleven wells (II-1 through II-4 and II-6 through II-12). This water is treated through ion exchange and/or reverse osmosis, and air strippers (for VOC removal). The VOC removal at Chino I Desalter is part of the remediation action plan to clean up the South Archibald Plume (see the Program Element 6 update in this status report).

The most recently completed expansion of the Chino Basin Desalters was completed in 2021which included three wells (Wells II-10, II-11, and II-12) and facilities for the Chino II Desalter. These wells helped achieve the total of 40,000 acre-feet per year of groundwater pumping combined at the desalter well fields to maintain Hydraulic Control. These wells are also being utilized as part of the remediation action plan to clean up the South Archibald Plume (see the Program Element 6 update in this status report). The Chino Bain Desalters reached the 40,000 acre-feet per year of pumping capacity in June 2020, prior to the full commencement of pumping at these new wells. During the reporting period, the Chino Basin Desalters maintained the pumping rate of 40,000 acre-feet per year.

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1

Because of the historical occurrence of pumping induced land subsidence and ground fissuring in southwestern Chino Basin (Managed Area), the OBMP required the development and implementation of an Interim Management Plan (IMP) for MZ-1 that would:

- Minimize subsidence and fissuring in the short-term.
- Collect the information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring.
- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

From 2001-2005, Watermaster developed, coordinated, and conducted an IMP under the guidance of the MZ-1 Technical Committee (referred to now as the Ground-Level Monitoring Committee or GLMC). The investigation provided enough information for Watermaster to develop Guidance Criteria for the MZ-1 producers in the investigation area that, if followed, would minimize the potential for subsidence and fissuring during the completion of the MZ-1 Plan. The Guidance Criteria included a list of Managed Wells and their owners subject to the criteria, a map of the so-called Managed Area, and an initial threshold water level (Guidance Level) of 245 feet below the top of the PA-7 well casing. The MZ-1 Summary Report and the Guidance Criteria were adopted by the Watermaster Board in May 2006. The Guidance Criteria formed the basis for the MZ-1 Plan, which was approved by Watermaster in October 2007. The Court approved the MZ-1 Plan in November 2007 and ordered its implementation. Watermaster has implemented the MZ-1 Plan since that time, including the ongoing Ground-Level Monitoring Program called for by the MZ-1 Plan (refer to in Program Element 1).

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1 (Continued)

The MZ-1 Plan states that if data from existing monitoring efforts in the so-called Areas of Subsidence Concern indicate the potential for adverse impacts due to subsidence, Watermaster will revise the MZ-1 Plan pursuant to the process outlined in Section 3 of the MZ-1 Plan. In early 2015, Watermaster prepared an update to the MZ-1 Plan, which included a name change to the *2015 Chino Basin Subsidence Management Plan*, and a *Work Plan to Develop the Subsidence Management Plan for Northwest MZ-1* (Work Plan) as an appendix. The Chino Basin Subsidence Management Plan and the Work Plan were adopted through the Watermaster Pool process in July 2015.

The data, analysis, and reports generated through the implementation of the MZ-1 Plan, Chino Basin Subsidence Management Plan, and Work Plan are reviewed and discussed by the GLMC, which meets on a periodic basis throughout the year. The GLMC is open to all interested participants, including the Watermaster Parties and their consultants. During this reporting period, Watermaster undertook the following data analysis and reporting tasks:

- Finalized the technical memorandum: *1D Model Simulation of Subsidence in Northwest MZ—Subsidence Management Alternative #1*. This work was performed to understand the potential future rates of subsidence in Northwest MZ-1 through 2050 under the pumping/recharge plans of the parties as simulated for the 2020 Safe Yield Reset. The recommendation from this work is that Watermaster should establish a "Northwest MZ-1 Guidance Level" of 630 ft above-mean sea level (amsl) for hydraulic heads in Layers 3 and 5 at the PX location. The Guidance Level approximates the current and projected heads in Layer 1 where the current and projected rates of compaction are the lowest. The Guidance Level would be an aspirational Watermaster recommendation that, if achieved, would likely slow the rates of compaction and subsidence to more tolerable levels over time.

- Prepared draft and final *2023-24 Annual Report for the Ground-Level Monitoring Program*. The final report included the Watermaster Engineer's responses to GLMC comments on the draft annual report.

- Worked on the construction and calibration of three additional 1D Models in Ontario, near the CDA well field, and at the Ayala Park Extensometer. These new 1D Models will be used to estimate the potential for future land subsidence associated with future projections of pumping and recharge in the Chino Basin, such as in future Safe Yield resets and reevaluations.

Ground Level Monitoring Equipment at Ayala Park

A GLMC meeting was conducted during the reporting period on October 3, 2024. The meeting presentation and agenda packet were posted to the Watermaster's website. The meeting agenda included:

- Draft *2023-24 Annual Report for the Ground-Level Monitoring Program.*

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region and Other Agencies to Improve Basin Management

Program Elements 6 and 7 are necessary to address the water quality management problems in the Chino Basin. During the development of the OBMP, it was identified that Watermaster did not have sufficient information to determine whether point and non-point sources of groundwater contamination were being adequately addressed, including the various Chino Basin contaminant plumes. With the Santa Ana Water Board and other agencies, Watermaster has worked to address the following major point source contaminant plumes in the Chino Basin:

South Archibald Plume

In July 2005, the Santa Ana Water Board prepared draft Cleanup and Abatement Orders (CAOs) for six parties who were tenants on the Ontario Airport regarding the South Archibald Trichloroethene (TCE) Plume in the southern portion of the Chino Basin. The draft CAOs required the parties to "submit a work plan and time schedule to further define the lateral and vertical extent of the TCE and related VOCs that are discharging, have been discharged, or threaten to be discharged from the site" and to "submit a detailed remedial action plan, including an implementation schedule, to cleanup or abate the effects of the TCE and related VOCs." Four of the

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region and Other Agencies to Improve Basin Management (Continued)

six parties (Aerojet-General Corporation, The Boeing Company, General Electric, and Lockheed Martin) voluntarily formed a group known as ABGL to work jointly on a remedial investigation. Northrop Grumman declined to participate in the group. The US Air Force, in cooperation with the US Army Corps of Engineers, funded the installation of one of the four clusters of monitoring wells installed by the ABGL Parties.

In 2008, Santa Ana Water Board staff continued conducted research pertaining to the likely source of the TCE contamination and identified discharges of wastewater that may have contained TCE to the RP-1 treatment plant and associated disposal areas as a potential source. The Santa Ana Water Board identified several industries, including some previously identified tenants of the Ontario Airport property, that likely used TCE solvents before and during the early-1970s, and discharged wastes to the Cities of Ontario and Upland's sewage systems and subsequently to the RP-1 treatment plant and disposal areas. In 2012, an additional Draft CAO was issued by the Santa Ana Water Board jointly to the City of Ontario, City of Upland, and IEUA as the previous and current operators of the RP-1 treatment plant and disposal area (collectively, the RP-1 Parties). In part, the draft CAOs required that RP-1 Parties "supply uninterrupted replacement water service […] to all residences south of Riverside Drive that are served by private domestic wells at which TCE has been detected at concentrations at or exceeding 5 µg/L […]" and to report this information to the Santa Ana Water Board. In addition, the RP-1 Parties are to "prepare and submit [a] […] feasibility study" and "prepare, submit and implement the Remedial Action Plan" to mitigate the "effects of the TCE groundwater plume."

Under the Santa Ana Water Board's oversight, the ABGL Parties and/or the RP-1 Parties conducted four sampling events at private residential wells and taps between 2007 and 2014 in the region where groundwater is potentially contaminated with TCE. By 2014, all private wells and/or taps in the region of the plume had been sampled at least once. Alternative water systems (tanks) have been installed at residences in the area where well or tap water contains TCE at or above 80 percent of the maximum contaminant level (MCL) of 5 µg/L. Watermaster has also been sampling at the private wells.

In July 2015, the RP-1 Parties completed the Draft Feasibility Study Report for the South Archibald Plume (Feasibility Study). The Feasibility Study established cleanup objectives for both domestic water supply and plume remediation and evaluated alternatives to accomplish these objectives. In November 2015, a revised Draft Feasibility Study, Remedial Action Plan, and Responses to Comments were completed to address input from the public, the ABGL, and others. In September 2016, the Santa Ana Water Board issued the Final CAO R8-2016-0016 collectively to the RP-1 Parties and the ABGL Parties. The Final CAO was adopted by all parties in November 2016, thus approving the preferred plume remediation and domestic water supply alternatives identified in the Remedial Action Plan. The parties also reached a settlement agreement that aligns with the Final CAO and authorizes funding to initiate implementation of the plume remediation alternative.

The plume remediation alternative involves the use of CDA production wells and facilities. The RP-1 Parties reached a Joint Facility Development Agreement with the CDA for the implementation of a project designed in part to remediate the South Archibald Plume. The project, termed the Chino Basin Improvement and Groundwater Clean-up Project, includes the operation of three newly constructed CDA wells (II-10, II-11, and II-12) and a dedicated pipeline connecting the three wells and the existing CDA well I-11 to the Desalter II treatment facility. It also includes the addition of an air stripping system at the treatment facility to remove TCE and other VOCs. Construction of two of the three wells (II-10 and II-11) were completed and became operational in 2018 and construction of an onsite monitoring well near the proposed location of CDA well II-12 (II-MW-3) was completed in 2019. The construction of well II-12 was completed in November 2020. In the first half of 2021, the RP-1 Parties and the CDA submitted the final *Monitoring and Reporting Plan for the Chino Basin Improvement and Groundwater Clean-up Project* to the Santa Ana Water Board and completed the construction of five multi-depth monitoring wells at two locations in the South Archibald Plume (II-MW-4 and II-MW-5). In 2021, the CDA completed the equipping of well II-12, the modification to the decarbonator, and the construction of the raw water pipeline, and the project became operational in August of 2021. The Monitoring and Reporting plan stipulates ongoing quarterly sampling at the CDA production and monitoring wells within and near the plume and at nearby agency-owned wells.

The domestic water supply alternative for the private residences affected by TCE groundwater contamination is a hybrid between the installation of tank systems for some residences, where water is delivered from the City of Ontario potable supply via truck deliveries, and the connection of some residences to the City of Ontario potable water system. Residences without a tank system or pipeline connection receive bottled water. The Cities of Ontario and Upland have assumed responsibility for implementing the domestic water supply alternative. In February 2017, the Cities of Ontario and Upland submitted the Domestic Water Supply Work Plan to the Santa Ana Water Board to outline the approach to monitoring and supplying alternative water supplies for affected residences. The City of Ontario will continue to monitor for potentially affected residences to ensure that an alternative water supply is offered and provided

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region and Other Agencies to Improve Basin Management (Continued)

to any residences with TCE concentrations greater than 80% of the MCL for TCE. During this reporting period the City of Ontario completed the annual water supply sampling event at private residences pursuant to the Domestic Water Supply Plan and prepared and submitted a monitoring report of the results to the Santa Ana Water Board in December 2024. As of the end of 2024, there are 22 affected residences that are being supplied water by tank systems, and five affected residences that remain on bottled water.

Watermaster delineates the spatial extent of the plume using data collected from their own sampling at private wells in the area and data collected as part of their data collection program. Watermaster completed its most recent characterization of the plume in June 2023 for the 2022 Chino Basin OBMP State of the Basin Report. In October of this reporting period, Watermaster prepared a semi-annual status report on the South Archibald Plume for Watermaster Parties.

Chino Airport Plume

In 1990, the Santa Ana Water Board issued CAO No. 90-134 to the County of San Bernardino, Department of Airports (County) to address groundwater contamination originating from Chino Airport. During 1991 to 1992, ten underground storage tanks and 310 containers of hazardous waste were removed, and 81 soil borings were drilled and sampled on the airport property. From 2003 to 2005, nine onsite monitoring wells were installed and used to collect groundwater quality samples. In 2007, the County conducted its first offsite monitoring effort, and in 2008, the Santa Ana Water Board issued CAO No. R8-2008-0064, requiring the County to define the lateral and vertical extent of the plume and prepare a remedial action plan. From 2009 to 2015, Tetra Tech, consultant to the County, constructed 66 monitoring wells and conducted several off-site and on-site plume characterization studies to delineate the areal and vertical extent of the plume and determined that there were both east and west TCE and 1,2,3-TCP plumes. In August 2016, the County completed a Draft Feasibility Study to identify remedial action objectives and evaluate remediation alternatives for mitigation. In January 2017, the Santa Ana Water Board issued CAO R8-2017-0011, which requires the County to prepare a Final Feasibility Study that incorporates comments from the Santa Ana Water Board and to prepare, submit, and implement a Remedial Action Plan. The County submitted a Final Feasibility Study on June 6, 2017, and it was approved by the Santa Ana Water Board on June 7, 2017. On December 18, 2017, the County submitted the *Draft Interim Remedial Action Plan* with the remediation alternative of a groundwater pump-and-treat system to provide hydraulic containment and treatment of the Chino Airport plumes. The system consists of ten extraction wells that will produce approximately 1,700 gallons per minute along with groundwater produced from CDA's I-16 through I-18. CDA's I-20 and I-21 will be added to the system as needed. The groundwater extracted will be conveyed to a new GAC system constructed by the CDA and funded by the County (South GAC System). An additional treatment system (North GAC System) constructed by CDA treats water from four CDA wells (I-I through I-4) that produce from the lower aquifer in the plume; however, this system is not associated with the County's remedial action. Once treated at the South GAC system, water will be conveyed to the existing Chino I Desalter that uses reverse osmosis and ion exchange to treat for nitrate and TDS and will be discharged for use as potable municipal water supply.

Since 2018, the County constructed five extraction wells, 12 piezometers, and 14 monitoring wells to assist with the design for the remedial solution and delineation of the plumes. In 2022, the County completed the final *Remedial Action Work Plan* which divides the construction of the pump and treat system into two phases. The first Phase (1) is in progress and includes the construction of the onsite extraction wells, conveyance pipeline, and additional monitoring wells. From July to December 2023, the remaining onsite extraction wells were constructed, and in March 2024 construction initiated on the conveyance pipeline. During this reporting period the County continued construction of the pipeline and completed well construction reports for all five onsite extraction wells. Phase 2 is expected to commence in 2025 with the construction of the offsite extraction wells. In April 2023, CDA wells I-17 (offline for 5 years) and I-18 (never been online) within the Chino Airport plume began pumping and conveyed groundwater for treatment at the South GAC System. The North GAC System began operation in April 2023.

Watermaster has commitments to this area within the vicinity of the Chino Airport to maintain Hydraulic Control and to avoid impacts to the groundwater dependent riparian habitat in the Prado Basin, and in 2018 Watermaster used the Chino Basin groundwater flow model to analyze how increased groundwater production for the remedial solution will affect groundwater levels within the vicinity. Watermaster completed the modeling and prepared a technical memorandum to describe the results, which concluded that operation of the remedial solution would improve Hydraulic Control in this area. In January 2022, the County completed construction of six piezometers near the riparian habitat along Chino Creek and initiated monitoring of groundwater levels for potential impacts from pumping at the remedial solution.

The County conducts quarterly and/or annual monitoring events at all 89 of their monitoring wells constructed to date, as well as four onsite agricultural wells. The conclusions from this monitoring program can be found in reports posted on the State Water Board's GeoTracker website. The most recent monitoring report submitted to the Santa Ana Water Board is the *Semiannual Groundwater*

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region and Other Agencies to Improve Basin Management (Continued)

Monitoring Report Winter and Spring 2024 Chino Airport, San Bernardino County, California, the results from the January band April 2024 sampling events. Watermaster also samples for water quality at private and monitoring wells in the area and uses this and other data obtained from its data collection programs to independently delineate the spatial extent of the plumes. Watermaster completed its most recent characterization of the plumes in June 2023 for the *2022 Chino Basin OBMP State of the Basin Report*. In October of this reporting period, Watermaster prepared a semi-annual status report on the Chino Airport Plume for Watermaster Parties.

Other Plumes

Watermaster continues to track the monitoring programs and mitigation measures associated with other point sources in the Chino Basin, including: Alumax Aluminum Recycling, Alger Manufacturing Facility, the Former Crown Coach Facility, General Electric Test Cell and Flatiron, Former Kaiser Steel Mill, Milliken Landfill, Upland Landfill, and the Stringfellow National Priorities List sites. During this reporting period in October 2024 Watermaster prepared the most recent annual status reports for the GE Test Cell, GE Flatiron, Milliken Landfill, California Institution for Men, Stringfellow Plumes, and the former Kaiser Steel Mill site. The most current Watermaster delineations of the extent of these plumes were completed in June 2023 for the 2022 Chino Basin OBMP State of the Basin Report.

Water Quality Management Program

Through the collaborative stakeholder process to update the OBMP in 2020 (see 2020 OBMP Update section of this report), the parties identified a new management action under PE 6 to develop a Water Quality Management Program that addresses contaminants of emerging regulations of concern to better prepare the parties for addressing compliance with new State and Federal drinking water regulations, and provide for the long-term maximum beneficial use of the basin. It was identified that reconvening the Water Quality Committee (WQC) that met historically from 2003 to 2010 to implement PE 6 of the 2000 OBMP would be the ideal approach to guide the development and implementation of the WQMP. Watermaster held a kick-off meeting in October 2023 to reconvene the WQC. Two additional WQC meetings were conducted during the first half of 2024 to develop an initial Emerging Contaminants Monitoring Plan (ECMP), and a framework and scope for a WQMP. During this reporting period there were no WQC meetings. Also during this reporting period Watermaster collected samples for the parameters that are part of the ECMP during the routine groundwater sampling that is part of PE 1.

Program Element 7: Develop and Implement a Salt Management Program

Maximum Benefit Salt and Nutrient Management Plan

In January 2004, the Santa Ana Water Board amended the Basin Plan to incorporate an updated TDS and nitrogen (N) management plan. The Basin Plan amendment includes both "antidegradation" and "maximum-benefit" objectives for TDS and nitrate for the Chino-North and Cucamonga groundwater management zones (GMZs). The maximum-benefit objectives allow for recycled water reuse and recharge of recycled and imported waters, which is an integral part of the OBMP, without the immediate need for mitigation. The application of the maximum-benefit objectives is contingent on the implementation of specific projects and requirements termed the maximum-benefit commitments by Watermaster and IEUA. The status of compliance with each commitment is reported to the Santa Ana Water Board annually in April. The nine maximum-benefit commitments include:

1. The development and implementation of a surface water monitoring program.
2. The development and implementation of a groundwater monitoring program.
3. The expansion of the Chino I Desalter to a capacity of 10 MGD and the construction of the Chino II Desalter with a design capacity of 10 MGD.
4. The additional expansion of desalter capacity (to 40 MGD) pursuant to the OBMP and the Peace Agreement (tied to the IEUA's agency-wide effluent TDS concentration).
5. The completion of the recharge facilities included in the Chino Basin Facilities Improvement Program.
6. The management of recycled water quality to ensure that the IEUA agency-wide, 12-month volume-weighted running average TDS and TIN concentrations do not exceed 550 mgl and 8 mgl, respectively.

Program Element 7: Develop and Implement a Salt Management Program (Continued)

7. The management of water quality in artificial recharge to ensure that the five-year volume-weighted running average TDS and nitrate concentrations in artificial recharge of recycled, imported, and storm waters are less than or equal to the maximum-benefit objectives of 420 mgl and 5 mgl, respectively.

8. The achievement and maintenance of the "Hydraulic Control" of groundwater outflow from the Chino-North GMZ to protect Santa Ana River water quality and downstream beneficial uses.

9. The determination of ambient TDS and nitrate concentrations of Chino Basin groundwater every five years.[3]

Monitoring Programs. Pursuant to maximum-benefit commitment numbers 1 and 2, Watermaster and the IEUA submitted a surface water and groundwater monitoring program work plan to the Santa Ana Water Board in May 2004. On April 15, 2005, the Santa Ana Water Board adopted resolution R8-2005-0064, approving Watermaster and the IEUA's surface and groundwater monitoring programs (2005 Work Plan). These monitoring programs were implemented pursuant to the 2005 Work Plan from 2004 to 2012. On February 12, 2012, the Santa Ana Water Board adopted an amendment to the Basin Plan to remove all references to the specific monitoring locations and sampling frequencies required for groundwater and surface water monitoring. The Basin Plan amendment allows the monitoring programs to be modified over time, subject to the approval of the Executive Officer of the Santa Ana Water Board. On December 6, 2012, the State Office of Administrative Law finalized the approval of the Basin Plan amendment. In place of specific monitoring requirements, the Basin Plan amendment required that Watermaster and the IEUA submit (i) a new surface water monitoring program work plan by February 25, 2012, and (ii) a new groundwater monitoring program work plan by December 31, 2013 to the Santa Ana Water Board for approval. Pursuant to (i), Watermaster and the IEUA submitted the *2012 Hydraulic Control Monitoring Program Work Plan*, which was approved by the Santa Ana Water Board in March 2012. Pursuant to (ii), Watermaster and the IEUA submitted the *2014 Maximum-Benefit Monitoring Program Work Plan* (2014 Work Plan), which was approved by the Santa Ana Water Board in April 2014. The 2014 Work Plan describes the questions to be answered by the monitoring program, the methods that will be employed to address each question, the monitoring and data collection that will be performed to implement the methods, and a reporting schedule. The monitoring pursuant to the 2014 Work Plan is incorporated as part of the groundwater level, groundwater quality, and surface water monitoring programs described in Program Element 1. During this reporting period, Watermaster continued to implement the monitoring programs (see Program Element 1 for details).

Extracted Salt at the Chino Desalter Authority II Facility

Hydraulic Control and Chino Basin Desalters. Pursuant to maximum-benefit commitment number 8, to achieve and maintain Hydraulic Control, the Chino Basin Desalters were expanded (maximum-benefit commitment numbers 3 and 4) to increase production in the southern portion of the Chino Basin. The Chino Basin Desalters are designed to replace the decreased agricultural production that previously prevented the outflow of high TDS and nitrate groundwater to the Santa Ana River and the Prado Basin surface water management zone (PBMZ). Hydraulic Control is defined in the Basin Plan as the elimination of groundwater discharge from the Chino-North GMZ to the Santa Ana River to a *de minimis* level. Pursuant to commitment number 8, Watermaster and the IEUA submitted a mitigation plan (2005 Mitigation Plan) to the Santa Ana Water Board in March 2005. This plan demonstrated how Watermaster and the IEUA would address the mitigation for any temporary loss of Hydraulic Control. In October 2011, the Santa Ana Water Board defined the *de minimis* discharge of groundwater from the Chino-North GMZ to the PBMZ as 1,000 acre-feet per year or less. The construction and operation of the Chino Creek Well Field (CCWF) in the west (wells I-16, I-17, I-18, I-20, and I-21) is intended to achieve Hydraulic Control, per the definition above, at the area west of Chino I Desalter Well 5. The CCWF began full operation in 2016. Watermaster and the IEUA recalibrate the Chino Basin groundwater-flow model every five years to estimate groundwater discharge from the Chino-North GMZ to the PBMZ (i.e., annual underflow past the CCWF) to determine whether Hydraulic Control has been achieved in the west. Watermaster and the IEUA have demonstrated that complete Hydraulic Control has been achieved at and east of Chino I Desalter Well 20, based on groundwater elevation contour analyses, and underflow past the CCWF is below the de minimis level of 1,000 acre-feet per year based on the model analyses.

In February 2016, the CCWF commenced full-scale operation with production at wells I-16, I-17, I-20, and I-21 to achieve and maintain Hydraulic Control at the area west of Chino I Desalter Well 5. In 2017, Well-17 ceased production due to the detection of 1,2,3-TCP above the new MCL. Production at Well-17 resumed operation in April 2023 with the implementation of additional treatment system. Total production at CCWF decreased when Well-17 ceased operation from 2017 to 2023. In 2020, the Chino

[3] The Santa Ana Water Board amended the Basin Plan (R8-2021-0025) to modify the ambient water quality determination to every five years following the ambient water quality determination on October 1, 2023.

Program Element 7: Develop and Implement a Salt Management Program (Continued)

Basin groundwater-flow model was used to estimate the historical (fiscal year 2004-2018) and projected (fiscal year 2019-2050) volume of groundwater discharge past the CCWF under revised pumping conditions at the CCWF. The model results indicate that both the estimated historical and projected discharge past the CCWF area are always below the *de minimis* threshold level of 1,000 acre-feet per year. The model assumes an annual average pumping volume at the CCWF of 992 acre-feet per year from fiscal year 2019 through 2050.

Future agricultural groundwater production in the southern part of the basin is expected to continue to decline, necessitating future expansion of the desalters to sustain Hydraulic Control. In a letter dated January 23, 2014, the Santa Ana Water Board required that Watermaster and the IEUA submit a plan detailing how Hydraulic Control will be sustained in the future as agricultural production in the southern region of Chino-North continues to decrease—specifically, how the Chino Basin Desalters will achieve the required total groundwater production level of 40,000 acre-feet per year. On June 30, 2015, Watermaster and the IEUA submitted a final plan and schedule for the construction and operation of three new desalter wells (II-10, II-11, and II-12). Well II-10 and II-11 were constructed and began operation in mid-2018, and Well II-12 was constructed in 2020 and began operation in mid-2021. The Chino Basin Desalters officially reached the pumping capacity necessary to meet the 40,000 acre-feet per year required for Hydraulic Control in June 2020. This pumping capacity was achieved without the inclusion of Well II-12, which was operational in August 2021 and was part of the final expansion plan designed to meet the 40,000 acre-feet per year. A full status report on the desalter expansion facilities is described in Program Element 3.

Following the completion of the desalter expansion, Watermaster prepared an update to the 2005 Mitigation Plan to: (i) remove the definition of the minimum pumping requirement at the CCWF to maintain Hydraulic Control, (ii) provide definition of operational flexibility for desalter production fluctuations on the order of plus or minus 2,100 acre-feet a year that maintain a five-year average pumping of about 40,000 acre-feet a year, and (iii) updated protocol for mitigation of temporary loss of Hydraulic Control. The updated mitigation plan was prepared with inputs from the Santa Ana Water Board staff. Watermaster finalized and submitted the updated mitigation plan to the Santa Ana Water Board on December 11, 2023.

Recycled Water Quality. Pursuant to the maximum-benefit commitment number 6, Watermaster and the IEUA manage the recycled water quality to ensure that the 12-month volume-weighted running average IEUA agency-wide, effluent quality does not exceed the permit limits of 550 mgl and 8 mgl for TDS and TIN, respectively. Additionally, Watermaster and the IEUA must submit a plan and schedule to the Santa Ana Water Board for the implementation of measures to ensure long-term compliance with these permit limits when either the 12-month volume-weighted running average IEUA agency-wide effluent TDS concentration exceeds 545 mgl for three consecutive months or the TIN concentration exceeds 8 mgl in any one month (action limits). The IEUA calculates and reports the 12-month volume-weighted running average agency-wide effluent TDS and TIN concentrations in the *Groundwater Recharge Program Quarterly Monitoring Reports*.

Since the initiation of recycled water recharge in July 2005, the 12-month running average TDS and TIN concentrations have ranged between 456 and 534 mgl and 3.8 and 7.6 mgl, respectively, and have never exceeded the permit limits. During the statewide drought in mid-2015, a historical high 12-month running average IEUA agency-wide effluent TDS concentration of 534 mgl was calculated for three consecutive months: June, July, and August. This 12-month running average IEUA agency-wide effluent TDS concentration of 534 mgl was only 11 mgl below the action limit. The 12-month running average agency-wide TDS concentration has decreased since mid-2015. As of December 2024, the 12-month running average IEUA agency-wide effluent TDS concentration was 470 mgl.

Through analysis of water supply and wastewater data, Watermaster and the IEUA concluded that drought conditions have a meaningful impact on the short-term TDS concentration of the water supplies available to IEUA agencies and that future droughts similar to the 2012-2016 period could lead to short-term exceedances of the 12-month running average IEUA agency-wide effluent TDS concentration. For this reason, in October 2016, Watermaster and the IEUA petitioned the Santa Ana Water Board to consider modifying the TDS compliance metric for recycled water to a longer-term averaging period. The Santa Ana Water Board agreed that an evaluation of the compliance metric was warranted and directed Watermaster and the IEUA to develop a technical scope of work to support the adoption of a longer-term averaging period for incorporation into the Basin Plan. The proposed technical scope of work to support a Basin Plan amendment to revise the recycled water compliance metric was submitted to the Santa Ana Water Board in May 2017. The proposed scope of work which was approved by the Santa Ana Water Board includes the following tasks:

- Develop numerical modeling tools (R4, Hydrus 2D, MODFLOW, MT3D) to evaluate the projected TDS and nitrate concentrations of the Chino Basin.
- Define a baseline (status-quo) scenario and evaluate it with the new modeling tools.

Program Element 7: Develop and Implement a Salt Management Program (Continued)

- Define salinity management planning scenarios and evaluate them with the new modeling tools to compare the projected TDS and nitrate concentrations against the baseline scenario.
- Use the results to develop a draft regulatory compliance strategy that includes a longer-term average period for recycled water TDS concentrations.
- Collaborate with the Santa Ana Water Board to review and finalize the regulatory strategy.
- Support the Santa Ana Water Board in the preparation of a Basin Plan amendment upon approval of the regulatory strategy.

Watermaster and the IEUA began implementing the scope of work in July 2017 and worked collaboratively with the Santa Ana Water Board staff to review interim work products. In December 2021, Watermaster and the IEUA completed and submitted the documentation of the technical work, *Total Dissolved Solids and Nitrate Concentrations Projections for the Chino Basin*, to the Santa Ana Water Board. Watermaster and the IEUA presented the technical work and received approval from the Santa Ana Water Board staff in July 2022 to proceed with the work to amend the Basin Plan. Specifically, the amendment to the Basin Plan will, in part, modify the TDS compliance metrics and action limit for IEUA's recycled water supply under maximum-benefit commitment number 6 to a 10-year volume-weighted running average of the agency-wide supply.

During this reporting period, Watermaster and the IEUA provided support to the Santa Ana Water Board staff on the Basin Plan amendment, including preparing documents to comply with California Environmental Quality Act (CEQA) and other requirements needed to amend the Basin Plan.

Recycled Water Recharge. Pursuant to the maximum-benefit commitment number 5, Watermaster and the IEUA completed the construction of the recharge facilities and began artificial recharge of stormwater and recycled water in the Chino Basin in 2005. Additionally, pursuant to maximum-benefit commitment number 7, Watermaster and the IEUA limit recycled water for artificial recharge to the amount that can be blended on a volume-weighted basis with other sources of recharge to achieve five-year running average concentrations of less than or equal the maximum-benefit objectives (420 and 5 mgl for TDS and nitrate, respectively). This data is analyzed and reported to the Santa Ana Water Board annually in April. During this reporting period, Watermaster and the IEUA continued their monitoring programs to collect the data required for analysis and reporting to the Santa Ana Water Board. Since recycled water recharge began in July 2005, the five-year volume-weighted running average TDS and nitrate concentrations have ranged from 203 to 354 mgl and from 1.1 to 3.0 mgl, respectively, and have never exceeded the maximum-benefit objectives. As of December 2024, the five-year volume-weighted running average TDS and nitrate concentrations of these three recharge sources were 264 and 1.5 mgl, respectively.

As part of the Basin Plan amendment, the TDS and nitrate compliance metrics for the artificial recharge under maximum-benefit commitment number 5 are proposed to be modified to 10-year volume-weighted running average. During this reporting period, Watermaster and the IEUA continued to provide support to the Santa Ana Water Board staff for the Basin Plan amendment.

Ambient Groundwater Quality. Pursuant to the maximum-benefit commitment number 9, Watermaster and the IEUA are required to recompute the current ambient TDS and nitrate concentrations for the Chino Basin and Cucamonga GMZs periodically. The re-computation of ambient water quality is performed for the entire Santa Ana River Watershed, and the technical work is contracted, managed, and directed by the Santa Ana Watershed Project Authority's (SAWPA's) Basin Monitoring Program Task Force (Task Force). Watermaster and the IEUA have participated in each watershed-wide ambient water quality computation as members of the Task Force.

The most recent ambient water quality, which covers the 20-year period of 2002 to 2021 (2021 ambient water quality), was completed by the Task Force in October 2023. As part of this computation, Watermaster and the IEUA provided requested groundwater quality data, inputs on interim findings, and reviewed draft documentation to support the computation of the 2021 ambient water quality. Pursuant to the 2021 Basin Plan Amendment (R8-2021-0025), the Task Force is required to recompute the current ambient water quality every five years after October 1, 2023.

The next ambient water quality is due to the Santa Ana Water Board on October 1, 2028.

Development of a Surface Water Monitoring Program in Chino Creek. During the development of the 2024 California Integrated Report, which is a process implemented by the State Board and the Regional Water Boards to assess surface water conditions relative to the established water quality objectives, it was initially identified that Chino Creek 1B was an impaired water body subject to listing pursuant to Clean Water Act 303(d). Such a listing would require an extensive effort to develop and implement a Total

Program Element 7: Develop and Implement a Salt Management Program (Continued)

Maximum Daily Load (TMDL) program and could impact the Watermaster and IEUA recycled water permit and uses in the Chino Basin. During a subsequent review of potential impairment, the Santa Ana Water Board concluded that there is insufficient data to make a final determination of water quality conditions of Chino Creek 1B. While acknowledging that limited data indicates that water quality may be impaired, Watermaster was able to demonstrate to the Santa Ana Water Board that there is insufficient data to make a definitive water quality finding. And proposed an alternative approach to develop and implement a monitoring program to collect the requisite water quality data for use in future California Integrated Reports, and to characterize the sources of salt loading into Chino Creek should a TMDL or another program be required. In June 2024 a Water Board-approved monitoring program was developed, including the associated Quality Assurance Program Plan (QAPP). The monitoring program includes monthly surface water quality sampling, data processing and management, and annual data evaluation to characterize water quality and trends. During this reporting period Watermaster and IEUA initiated the monthly monitoring in August 2024.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program

Groundwater storage is critical to the Chino Basin stakeholders. The OBMP outlines Watermaster's commitments to investigate the technical and management implications of Local Storage Agreements, improve related policies and procedures, and then revisit all pending Local Storage Agreement applications.

The existing Watermaster/IEUA/MWDSC/Three Valleys Municipal Water District Dry-Year Yield (DYY) program was initiated in the early 2000's and is the only Storage and Recovery Program that is being implemented in the Chino Basin. By April 30, 2011, all DYY program construction projects and a full "put" and "take" cycle had been completed, leaving the DYY storage account with a zero balance. Another DYY cycle began in June 2017 and was completed in June 2022. In response to the heavy precipitation in early 2023, MWDSC began recharging imported water in the Chino Basin in spring 2023. During the reporting period, MWDSC recharged about 6,086 acre-feet of imported water in the Chino Basin through the DYY program.

Safe Yield Recalculation

The Basin's Safe Yield was initially set by the Judgment at 140,000 acre-feet per year. The Safe Yield was based on the hydrology for the period of 1965 through 1974. Pursuant to the Judgment, the Chino Basin Safe Yield is to be recalculated periodically but not for at least ten years following 1978.

Pursuant to the OBMP Implementation Plan and Watermaster's Rules and Regulations, in fiscal year 2010/11 and every ten years thereafter, Watermaster is to recalculate the Safe Yield. The 2011 Safe Yield recalculation began in 2011 and after significant technical and legal process, on April 28, 2017, the Court issued a final order (2017 Court Order), resetting the Safe Yield to 135,000 acre-feet per year effective July 1, 2010.

In July 2018, Watermaster's Engineer began the technical work necessary for the Safe Yield recalculation for 2020 pursuant to the OBMP Implementation Plan using the approved methodology in the 2017 Court Order. After substantial technical process and stakeholder engagement, the Watermaster Board adopted recommendations to the Court to update the Safe Yield for the period 2021 through 2030 to 131,000 acre-feet per year. In July 2020, the Court approved Watermaster's recommendation and reset the Safe Yield to 131,000 acre-feet per year for the period commencing on July 1, 2020 and ending on June 30, 2030.

The 2017 Court Order i) requires that the Safe Yield be reevaluated no later than June 30, 2025, ii) allows for supplementation of the current Safe Yield Reset methodology, and iii) requires annual collection and evaluation of data regarding cultural conditions of the Chino Basin. The annual data collection and evaluation process includes determining whether "there has been or will be a material change from existing and projected conditions or threatened undesirable results" as compared to the conditions evaluated in the 2020 Safe Yield Recalculation. If evaluation of the data suggests that any of these criteria are met, then Watermaster's Engineer is required to undertake "a more significant evaluation" to model the impacts of the existing and projected cultural conditions on the Chino Basin.

In 2022, Watermaster's Engineer completed a process to supplement the current Safe Yield Reset methodology to address comments received during the peer review process of the 2020 Safe Yield recalculation regarding uncertainty in the groundwater model and the data used in future projections. As a result of this process, which was supported by extensive peer review, Watermaster submitted an updated Safe Yield Reset methodology (2022 Safe Yield Reset methodology) to the Court. The Court approved the 2022 Safe Yield Reset methodology in December 2022.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program (Continued)

During this reporting period, Watermaster's Engineer completed the annual data collection and evaluation process covering the period through fiscal year 2022/23 and continued the process to reevaluate the Safe Yield of the Chino Basin for the period of fiscal year 2021 through 2030 (the 2025 Safe Yield Reevaluation). The annual data collection and evaluation process supported the need for the 2025 Safe Yield Reevaluation. The 2025 Safe Yield Reevaluation process includes updating Watermaster's groundwater-flow model and implementing the 2022 Safe Yield Reset methodology. Watermaster hosted three workshops during the reporting period to gather stakeholder and peer review input to support the 2025 Safe Yield Reevaluation.

Groundwater Storage Management

Addendum to PEIR. The original OBMP storage management program consists of managing groundwater production, replenishment, recharge, and storage such that the total storage within the basin lies within the range known as the Safe Storage Capacity (SSC), which is the difference between the Safe Storage[4] and the Operational Storage Requirement[5]. The allocation and use of storage space in excess of the Safe Storage Capacity will preemptively require mitigation: mitigation must be defined, and resources must be committed to mitigation prior to allocation and use.

Water occupying the SSC includes Local Storage Account Water, Carryover Water, and water anticipated to be stored in future groundwater Storage and Recovery programs. This storage management program was evaluated in the OBMP programmatic environmental impact report (PEIR) in 2000.

After the OBMP PEIR, Watermaster and the Watermaster Parties revised the OBMP based on new monitoring and borehole data collected since 1998, an improved hydrogeologic conceptualization of the basin, new numerical models that have improved the understanding of basin hydrology since 2000, and the need to expand the Chino Basin Desalters (desalters) to the 40,000 acre-feet per year of groundwater production required in the OBMP Implementation Plan. These investigations included a recalculation of the total water in storage in the basin, based on the improved hydrogeologic understanding. The total storage in the Chino Basin for 2000 was estimated to be about 5.9 million acre-feet[6], about 100,000 acre-feet greater than the estimated Safe Storage at the time.

The Watermaster Parties negotiated the Peace II Agreement to implement, among other things, the expansion of the desalters, the dedication of 400,000 acre-feet of groundwater in storage to desalter replenishment (i.e., approved overdraft), and changes in the Judgment to implement the Peace II Agreement. However, the storage management plan was not changed in light of the approved overdraft and the fact that the estimated storage in the basin exceeded the Safe Storage. The IEUA completed and subsequently adopted a supplemental environmental impact report for the Peace II Agreement in 2010.

Following the implementation of desalters and the Peace II Agreement, basin storage continued to grow, prompting Watermaster and the IEUA to propose a temporary increase in Safe Storage Capacity. This was analyzed through an addendum to the 2000 PEIR, and on March 15, 2017, the IEUA adopted an increase from 500,000 acre-feet to 600,000 acre-feet, effective from July 1, 2017, to June 30, 2021. The temporary increase did not cause material physical injury (MPI) or loss of Hydraulic Control, giving Watermaster and its partners time to develop a new storage management plan.

2020 Storage Management Plan. In 2019, Watermaster began developing the 2020 Storage Management Plan (2020 SMP) with input from the Watermaster Parties and Board. A white paper outlining the need and requirements for the SMP was presented to stakeholders in June 2019. This effort built on the 2018 Storage Framework Investigation, which explored potential storage space between 700,000 and 1,000,000 acre-feet. A final SMP report was published in December 2019 and included in the 2020 OBMP Update Report, which the Watermaster Board adopted in October 2020.

Local Storage Limitation Solution. The temporary increase in Safe Storage Capacity was set to expire on June 30, 2021, reverting to 500,000 acre-feet unless a new Court-approved storage agreement was made. By the end of Production Year 2020, Managed Storage had reached 588,000 acre-feet. To address the expiration, Watermaster Parties recommended expanding environmental analysis to cover storage use above 500,000 acre-feet. This work, called the Local Storage Limitation Solution (LSLS), was supported by an updated groundwater-flow model that found no unmitigable significant adverse impacts. The LSLS allowed Safe Storage Capacity to increase to 700,000 acre-feet through June 30, 2030, and to 620,000 acre-feet from July 1, 2030, through June 30, 2035. The CEQA documentation was adopted as Addendum No. 2 to the OBMP PEIR on March 17, 2021. The Court granted Watermaster's motion, and the LSLS became effective on July 1, 2021.

[4] Safe Storage is an estimate of the maximum storage in the basin that will not cause significant water quality and high groundwater related problems. Safe Storage was estimated in the development of the OBMP to be about 5.8 million acre-feet based on the then-current understanding of the basin.

[5] The Operational Storage Requirement is the storage or volume in the Chino Basin that is necessary to maintain the Safe Yield. This is an average value with the storage oscillating around this value due to dry and wet periods in precipitation. The Operational Storage Requirement was estimated in the development of the OBMP to be about 5.3 million acre-feet. This storage value was set at the estimated storage in the basin in 1997.

[6] The most recent modeling of the Chino Basin estimates the total water in storage to be about 12 million acre-feet.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and Program Element 9: Develop and Implement a Storage and Recovery Program (Continued)

Motion to Increase Safe Storage Capacity to 900,000 Acre-Feet. Following two consecutive wetter-than-average years resulting in low groundwater demands and increased recharge through the DYY Program, the total managed storage at the end of fiscal year 2023/24 was about 709,000 acre-feet, exceeding the Safe Storage Capacity authorized by the approval of the LSLS. To address this, the Watermaster Board adopted Resolution 2024-04 to recommend that the Court authorize the increase of the Safe Storage Capacity to a maximum of 900,000 acre-feet through June 30, 2040, consistent with the project evaluated as part of the 2020 OBMP Update (see 2020 OBMP Update description below). Watermaster submitted the motion in December 2024, and a hearing has been set in January 2025 for the Court to hear and decide on the motion.

2020 OBMP Update

OBMP implementation began in 2000. By 2019, many of the projects and management programs envisioned in the 2000 OBMP have been implemented. The understanding of the hydrology and hydrogeology of the Chino Basin has improved since 2000 and new water-management issues have been identified that necessitate that the OBMP be adapted to protect the collective interests of the Watermaster Parties and their water supply reliability. For these reasons, the Watermaster, with input from the Parties, prepared a 2020 OBMP Update to set the framework for the next 20 years of basin-management activities.

During 2019, Watermaster convened a collaborative stakeholder process to prepare the 2020 OBMP Update similar to the process employed for the development of the 2000 OBMP. The final 2020 OBMP Scoping Report (Scoping Report) was published in November 2019 to document the results of the first four Listening Sessions that Watermaster conducted with the stakeholders. The Scoping Report summarized (1) the need to update the OBMP, (2) the issues, needs, and wants of the stakeholders, (3) the goals for the 2020 OBMP Update, and (4) the recommended scope of work to implement seven stakeholder-defined basin-management activities that could be included in the 2020 OBMP Update.

Through the listening session process, it became apparent that the 2000 OBMP goals remain unchanged, and the nine Program Elements (PEs) defined in the 2000 OBMP are still relevant today as the overarching program elements of a basin management program. Each of the seven activities in the Scoping Report had objectives and tasks that were directly related to one or more of the 2000 OBMP PEs. Based on this finding, the nine PEs defined in the 2000 OBMP were retained for the 2020 OBMP Update. Each of the seven activities were mapped to one of the existing PEs.

In January 2020, the Watermaster published the 2020 OBMP Update Report, which described: (1) the 2020 OBMP Update process; (2) the OBMP goals and new activities for the 2020 OBMP Update; (3) the status of the OBMP PEs and ongoing activities within them; and (4) the recommended 2020 OBMP management plan – inclusive of ongoing and new activities. The management plan will form the foundation for the Watermaster Parties to develop a 2020 OBMP Implementation Plan and the agreements necessary to implement it. After several workshops and comprehensive review and comments by Watermaster Parties, the final 2020 OBMP Update Report was adopted by the Watermaster Board on October 22, 2020.

In January 2020, Watermaster and the IEUA (as the lead agency) began preparing a subsequent Environmental Impact Report (SEIR) to support the 2020 OBMP Update. This SEIR was designed to inform decision-making, investments, and grant applications for both ongoing and new management actions under the OBMP. However, following feedback from the Parties, the certification of the SEIR was postponed. In 2022, Watermaster and IEUA resumed the process, holding three workshops to gather input from the Watermaster Parties on the 2020 OBMP Update's project description and potential updates. This included the proposed use of managed storage of up to 900,000 acre-feet. In May 2023, Watermaster published the 2023 Storage Framework Investigation to evaluate the impacts of this storage level. IEUA then released the draft SEIR for public review in September 2023, with the comment period concluding on November 9, 2023. The final SEIR was certified by IEUA in February 2024.

Two new management activities in the 2020 OBMP Update began in fiscal year 2023/24: (1) development of a Storage and Recovery Master Plan (SRMP); and (2) preparation of a WQMP. Watermaster and its stakeholders began convening the WQC in fiscal year 2023/24 to define the objectives and refine the scope of work for the WQMP, and develop a monitoring plan for emerging contaminants in the Chino Basin (see Groundwater Quality Management Program section under PE 6 in this report). The WQC did not meeting during this reporting period. The SRMP Committee (SRMPC) initially convened in November 2023 to define the objectives of the SRMP and refine the scope of work for its development, including defining desired benefits of Storage and Recovery Programs in the Chino Basin. The SRMPC did not meet during this reporting period.

CHINO BASIN WATERMASTER

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STAFF REPORT

DATE: March 27, 2025

TO: Board Members

SUBJECT: SGMA Reporting for Water Year 2024 (Consent Calendar Item I.D.)

Issue: Pursuant to the SGMA, Water Code Section 10720.8(f), the Chino Basin Watermaster is required to submit specific data, information, and reports to the Department of Water Resources (DWR) by April 1, 2025. [WM Duties and Powers].

Recommendation: Approve and direct staff to file the information/reports with the DWR.

Financial Impact: None

ACTIONS:
Appropriative Pool – March 13, 2025 [Final]: Provided advice and assistance.
Non-Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance.
Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance.
Advisory Committee – March 20, 2025 [Final]: Provided advice and assistance.
Watermaster Board – March 27, 2025 [Recommended]: Approve and direct staff to file the information/reports with the DWR.

BACKGROUND

California Water Code Section 10720.8(a) identifies 26 adjudicated areas, including the Chino Basin, which are exempt from the requirements of the SGMA except for the reporting requirements listed in Water Code Section 10720.8(f). A Watermaster or local agency within an adjudicated area listed under Water Code 10720.8(a) is required to report the following:

(1) By April 1, 2016, submit to the department a copy of a governing final judgment, or other judicial order or decree, and amendments entered before April 1, 2016.
(2) Within 90 days of entry by court, submit to the department a copy of any amendment made and entered by the court to the governing final judgment or other judicial order or decree on or after April 1, 2016.
(3) By April 1, 2016, and annually thereafter, submit to the department a report containing the following information to the extent available for the portion of the basin subject to the adjudication:

(A) Groundwater elevation data unless otherwise submitted pursuant to Section 10932.
(B) Annual aggregated data identifying groundwater extraction for the preceding water year.
(C) Surface water supply used for or available for use for groundwater recharge or in-lieu use
(D) Total water use
(E) Change in groundwater storage
(F) The annual report submitted to the court.

DISCUSSION

Pursuant to Water Code 10720.8(f), the Chino Basin Watermaster submitted items (1), (2), and (3) listed above by April 1, 2016. Item (3) information was submitted for water years 2015 through 2023. The submittal of water year 2024 information by April 1, 2025, is the tenth such submittal by the Chino Basin Watermaster to the DWR for Water Code 10720.8(a) item (3).

The DWR has implemented an online submission system, which is accessible with secure login credentials, to facilitate the transmittal of all the required data and reports for adjudicated basins pursuant to the SGMA. The online system, called the Adjudicated Basin Annual Reporting System, consists of a specialized reporting template to populate all the required information and to upload supporting documents and reports. The attached Memorandum, prepared by West Yost, explicitly describes the information and reports that will be submitted by the Chino Basin Watermaster to the DWR's Adjudicated Basin Annual Reporting System by April 1, 2025.

At the March 13, 2025 Pool Committee meetings the three Pools unanimously recommended to the Advisory Committee to recommend Board approval and filing with the DWR. At the March 20, 2025 meeting, the Advisory Committee unanimously recommended Board approval.

ATTACHMENTS
1. Memorandum: Chino Basin Watermaster Submittal Of The Water Year 2024 Reporting Requirements For Adjudicated Basins Pursuant To The Sustainable Groundwater Management Act

WEST YOST
Water. Engineered.

23692 Birtcher Drive
Lake Forest CA 92630

949.420.3030 phone 530.756.5991
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TECHNICAL MEMORANDUM

DATE: March 6, 2025 Project No.: 941-80-24-07
SENT VIA: EMAIL

TO: Chino Basin Watermaster

FROM: Chino Basin Watermaster Engineer

SUBJECT: Chino Basin Watermaster submittal of the water year 2024 reporting requirements for adjudicated basins pursuant to the Sustainable Groundwater Management Act

Pursuant to the Sustainable Groundwater Management Act (SGMA) requirements for adjudicated basins, as described in California Water Code (CWC) Section 10720.8(f), the Chino Basin Watermaster (Watermaster) is preparing to submit information pursuant to the annual reporting requirements for Chino Basin for water year 2024 (October 1, 2023 to September 30, 2024) to the California Department of Water Resources (DWR). The SGMA requires that the following six categories of data be submitted to the DWR by April 1 of each year: (A) groundwater elevation data, unless otherwise submitted pursuant to Section 10932[1]; (B) annual aggregated data identifying total groundwater extractions for the preceding water year; (C) surface water supply used, or available for use, for groundwater recharge or in-lieu use; (D) total water use; (E) change in groundwater storage; and (F) the Watermaster's annual report submitted to the Court.

The annual reporting data are submitted to the DWR using its Adjudicated Basins Annual Reporting System—a password-secured, online submission system accessible at Link. The DWR Adjudicated Basins Annual Reporting System facilitates the submission of all reporting requirements for adjudicated basins and consists of a standardized reporting template to enter all the required information pursuant to the SGMA legislation, including the ability to upload supporting documents and reports. The standardized reporting template includes sections to upload specific required information for reporting under the SGMA legislation, as well as sections for including optional information.

[1] CWC Section 10932 requires reporting of groundwater levels for the California State Groundwater Elevation Monitoring (CASGEM) Program.

This memorandum describes the information that will be submitted to the DWR using the Adjudicated Basins Annual Reporting System on behalf of the Watermaster to satisfy the water year 2024 reporting requirements for the Chino Basin. If the information and/or reports proposed for submittal to the DWR are not required, it is specified in this memorandum.

WATER DATA FOR WATER YEAR 2024

The following Chino Basin water year 2024 data and digital documents will be submitted. The DWR Adjudicated Basins Annual Reporting System language is in ***bold italics*** and the information for submittal is shown in regular text**.** All volume data are reported in acre-feet (AF).

(A) Groundwater elevation data unless otherwise submitted pursuant to Section 10932.

Is water level data submitted to the CASGEM Program? Yes

Does the watermaster collect or receive additional groundwater levels? Yes

Does the watermaster measure groundwater levels? Yes

(B) Annual aggregated data identifying groundwater extraction for the preceding water year

Total Groundwater Extraction (AF): 121,163

Groundwater extraction by water use sector (if available):

The submittal of this information is optional; the following information will be submitted:

Sector	*Volume (AF)*	*Explanation*
Urban	108,454	Appropriative Pool (Pool 3)
Agricultural	10,372	Agricultural Pool (Pool 1)
Other Sector	2,336	Non-Agricultural Pool (Pool 2)

(C) Surface water supply used for or available for use for groundwater recharge or in-lieu use.

Surface Water Supply (AF): 169,567

Method used to determine:

The submittal of this information on the method is optional but recommended by the DWR. The following information on the method will be submitted with the surface water supply volumes to provide clarity on the source and compilation of these volumes:

The value reported represents total surface water used for direct consumption and for groundwater recharge. Imported water and recycled water deliveries to recharge basins are metered and recorded daily. Storm water and urban runoff recharge volumes are measured by stage sensors in the recharge basins. Imported water, recycled water, and local surface water amounts used for direct consumption are provided by the individual parties in the Chino Basin. For parties that have service areas not entirely within the Chino Basin adjudicated boundary, the proportion of the surface water supply used for consumption inside the Chino Basin adjudicated boundary is not quantified. The portion of the reported volumes that were used for recharge, were recharged entirely within the Chino Basin adjudicated boundary.

Water available for recharge or in-lieu use by source type (if available):

The submittal of this information is optional; the following information will be submitted:

Sector	Volume (AF)	***Explanation***
Local Surface Deliveries	54,234	This includes 13,480 AF of storm water and urban runoff for groundwater recharge, and 40,754 AF of native surface water for direct consumption.
State Water Project Deliveries	83,903	This includes 34,708 AF for groundwater recharge, and 49,195 AF for direct consumption.
Recycled Water	31,430	This includes 12,977 AF for groundwater recharge, and 18,454 AF for non-potable reuse.

(D) Total Water Use (report water use in the basin as data is available and/or as reported in the annual report)

Total Water Use (AF): 341,465

Method used to determine:

The submittal of this information is optional; the following information on the method will be submitted to provide clarity on the source and compilation of these total water use volumes:

Total water use data includes water used for direct consumption and for groundwater recharge. Data were obtained from Watermaster records, and/or collected from the parties in the Chino Basin. The total water use represents the sum of total water use by parties to the Chino Basin Judgment. Many of the Chino Basin appropriative pool parties have service areas that extend outside the Chino Basin adjudicated boundary. The proportion of the total water use for direct

consumption that is used inside the Chino Basin adjudicated boundary is not quantified by Watermaster.

Total water use is reported using the pre-defined categories by the DWR under the ***Water use met by source type*** below, and is apportioned as follows: ***Groundwater*** is groundwater produced from the Chino Basin and other basins for direct use; ***Surface water*** is imported State Water Project water and native surface water used for direct use; ***Recycled or reused water*** is recycled water used for direct use; and ***Other*** is water used for groundwater recharge which includes storm water and urban runoff, imported State Water Project water, and recycled water.

Water Use met by source type:

The submittal of this information is optional; the following information will be submitted:

Type	*Volume (AF)*
Groundwater	171,897
Surface water	89,949
Recycled or reused water	18,454
Other	61,165

(E) Annual change in groundwater storage

Change in storage (AF): + 49,953

Method used to determine:

The submittal of this information is optional but recommended by the DWR. The following information will be submitted:

The change in storage over the period of October 1, 2023 through September 30, 2024 was estimated using the Chino Basin groundwater model.

Time period for change: Start date: 10/1/2023 ***End date:*** 9/30/2024

(F) The annual report submitted to the court

Start date: 7/1/2023 ***End date:*** 6/30/2024

Please submit an electronic (PDF preferred) copy of your annual report:

Watermaster published the Annual Report for fiscal year 2023/24 since the last SGMA annual reporting requirements for the Chino Basin were submitted on April 1, 2024. The Chino Basin

Watermaster 47th Annual Report for fiscal year 2023/24 is submitted herein and covers the period of July 2023 through June 2024.

Please submit additional reports or documents:

The submittal of this information is optional. This memorandum will be submitted along with the data and information described above. Additional Chino Basin Watermaster engineering and legal reports are available for public download on Watermaster's website at www.cbwm.org.

CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91730
909.484.3888 www.cbwm.org

STAFF REPORT

DATE: March 27, 2025

TO: Board Members

SUBJECT: First Amendment to Task Order No. 7 Upper Santa Ana River Watershed Habitat Conservation Plan Under the Master Agreement Regarding the Management of Collaborative Recharge Projects Between the Inland Empire Utilities Agency and the Chino Basin Watermaster (Business Item II.A.)

Issue: To amend Task Order No. 7 reflecting the completion of the Upper Santa Ana Watershed Habitat Conservation Plan project and end of the obligations and responsibilities associated with the Task Order. [AC Approval required]

Recommendation: Approve the First Amendment to Task Order No. 7 and conclude the associated obligations.

Financial Impact: None. All costs have been fully paid in prior years.

ACTIONS:
Appropriative Pool – March 13, 2025 [Final]: Provided advice and assistance
Non-Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance
Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance
Advisory Committee – March 20, 2025 [Final]: Approved
Watermaster Board – March 27, 2025 [Recommended]: Approval

BACKGROUND

Task Order No.7 was executed on August 28, 2014 under the Master Cost Sharing Agreement between Chino Basin Watermaster (CBWM) and the Inland Empire Utilities Agency (IEUA).

Task Order No. 7 governed the cost for the development of the Upper Santa Ana River Watershed Habitat Conservation Plan to offset biological impacts of future water and recharge improvement projects in the Chino Basin area that have potential to impact federally-listed, endangered, threatened or special status species.

DISCUSSION

The Upper Santa Ana River Habitat Conservation Plan is a multi-agency, watershed-wide collaborative project to permit and mitigate multiple projects in the upper watershed. This effort dates back to 2013 and the initial meetings were led by the San Bernardino Valley Municipal Water District. Watermaster participates in partnership with the Inland Empire Utilities Agency to obtain permits for O&M and Improvements within the recharge program.

Currently the program is in the negotiations stage for the establishment of the Joint Powers Authority, and a draft Programmatic Environmental Impact Report was circulated but not certified.

Funds were collected for the project but not used. The amount of $20,062.88 was placed into the Carry Over account which can now be used towards other Capital projects, kept in Reserve, or refunded to the Appropriators during the next Watermaster Assessment cycle.

Staff recommends approving the Task Order Amendment to end the obligations and responsibility between the parties in relation to the construction of this project.

The Task Order was presented to the Pool Committees on March 13, 2025 where it was unanimously recommended to the Advisory Committee to approve, and ultimately to the Watermaster Board for its approval. At the March 20, 2025 Advisory Committee meeting, the Committee unanimously approved the Amendment to the Task Order.

ATTACHMENTS
1. Fully Executed Task Order No. 7
2. Draft 1st Amendment to Task Order No. 7

MASTER AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND INLAND EMPIRE UTILITIES AGENCY REGARDING THE MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS

TASK ORDER NO. 7
UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN

This Task Order is made and entered into as of the 28th day of August, 2014 by and between the Chino Basin Watermaster, hereinafter referred to as "Watermaster" and the Inland Empire Utilities Agency, hereinafter referred to as "IEUA" (each a "Party" and collectively, the "Parties").

In consideration of the mutual promises, covenants, and conditions as addressed in the Master Agreement dated July 24, 2014 and as specifically hereinafter set forth, the parties do hereby agree as follows:

1. PURPOSE

The purpose of this Task Order is to govern the development of a Habitat Conservation Plan to offset biological impact of future water and recharge improvement projects in the Chino Basin area that have the potential to impact federally-listed endangered, threatened or special status species. This task will be a part of the regional plan with other proposed projects within the Upper Santa Ana River Region. The goal of the project is to identify in advance sites that may require biological offset/mitigation and avoid permitting delays if identified projects require a specified plan.

2. SCOPE

The task order will evaluate five locations and potential impacts based on planned recharge improvements, as defined in the RMPU, Recycled Water Capital Project list in IEUA's FY14/15 Ten-Year Capital Improvement Plan, and the July 2014 draft Recycled Water Program Strategy. As impact areas are evaluated, plans and cost proposals will be submitted and filed for these locations. Any future work will be the subject of a separate Task Order. The five locations are listed below:

RMPU Projects	Location	Potential Species
PID - 19a	Wineville Basin	DSF
PID - 12	Lower Day Basin	SBKR,CAGN,BUOW
PID - 7	San Sevaine Basins (1-5)	SBKR
PID - 11	Victoria Basin	SBKR
PID - 2	Montclair Basins (1-3)	CAGN

DSF=Delhi Sands Flower-Loving Fly; SBKR=Merriam's San Bernardino Kangaroo Rat; CAGN=California Gnatcatcher; BUOW=Burrowing Owl

The following is a projected schedule and budget for the project:

Phase	Start	Finish	Projected Cost
Investigation/Planning of Sensitive Habitat	07/01/14	06/30/17	$160,000
		Total	**$160,000**

3. IEUA RESPONSIBILITIES

IEUA agrees to provide project management and contract administration services that include, but are not limited to:

- Engagement of consulting services as needed for:
  - Investigation/planning of sensitive habitat
- Management of consultants for the above;
- Approval of progress payments for consultants;
- Recommendation as to change orders for consultants;
- Payment of consultant invoices

IEUA will supply all personnel and equipment required to perform the assigned services.

4. WATERMASTER RESPONSIBILITIES

Watermaster agrees that it and its employees and consultants will cooperate with IEUA and its contractors in the performance of services under this Task Order and will provide any necessary documentation and information in Watermaster's possession.

5. BUDGET AND COST ALLOCATION

The total projected cost for the activities to be undertaken pursuant to this Task Order is one hundred sixty thousand dollars ($160,000) unless the scope of work is changed and an increase is authorized by the Parties ("Budget"). The Parties agree that Budget is shared

50-percent by both parties. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3, above. The Budget shall be allocated among the Parties as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below.

HCP	Fiscal Year 2014/15	Fiscal Year 2015/16	Total
Watermaster	$75,000	$5,000	$80,000
IEUA	$75,000	$5,000	$80,000
Total	**$150,000**	**$10,000**	**$160,000**

6. TOTAL BUDGETED COST

The Parties agree to pay their respective portion of the total costs, and the parties shall not be required to pay more than $160,000 ("Total Budgeted Cost").

7. MAXIMUM COSTS TO WATERMASTER

The costs to be required of Watermaster under this Agreement shall not exceed its share of 50-percent of the Total Budgeted Cost, as shown in Section 5 above, or $80,000.

8. MAXIMUM COSTS TO IEUA

The costs to be required of IEUA under this Agreement shall not exceed its share of 50-percent of the Total Budgeted Cost, as shown in Section 5 above, or $80,000.

9. TERM

Work to be undertaken pursuant to this Task order shall be initiated upon the Effective Date, as described in Section 11, below. The terms of this Task Order shall remain effective until IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

Watermaster's reimbursement of IEUA for work performed under this Task Order shall be as provided in Article 3 of the July 24, 2014 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 7 will become effective upon execution by both Parties.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year and at the place first above written.

CHINO BASIN WATERMASTER

By _____
PETER KAVOUNAS
General Manager

INLAND EMPIRE UTILITIES AGENCY

By _____
P. JOSEPH GRINDSTAFF
General Manager

FIRST AMENDMENT
to
TASK ORDER NO. 7
UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN
under the
MASTER AGREEMENT REGARDING THE
MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS
between
INLAND EMPIRE UTILITIES AGENCY
and
CHINO BASIN WATERMASTER

This First Amendment to Task Order No. 7 is made and entered into as of the ____ day of March 2025 by and between the Inland Empire Utilities Agency ("IEUA") and the Chino Basin Watermaster ("Watermaster") (each a "Party" and collectively, the "Parties").

RECITALS

A. Task Order No. 7 for the UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN (the "Task Order") was entered into by IEUA and Watermaster effective August 28, 2014 to govern the development of a Habitat Conservation Plan to offset biological impact of future water and recharge improvement projects in the Chino Basin area that have the potential to impact federally-listed endangered, threatened or special status species ("Project").

B. Section 9 of the Task Order states: "The terms of this Task Order shall remain effective until IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities."

C. The Parties agree that no further work is necessary, deeming the Project to be concluded. All obligations and responsibilities of IEUA and Watermaster, including payment obligations, described in the Task Order have been satisfied. Any future Habitat Conservation Plan, mitigation effort, or other similar project will be subject to a separate task order, as necessary or appropriate.

D. IEUA and Watermaster wish to amend the Task Order to reflect the conclusion of the Project and thereby acknowledge mutual satisfaction of the Parties' obligations and responsibilities in the Task Order.

NOW THEREFORE IT IS AGREED TO AMEND THE TASK ORDER AS FOLLOWS:

1. Section 12 shall be added to the Task Order and will read as follows:

   As of March 27, 2025, the Parties agree the Project contemplated in the Task Order has concluded. Any similar projects will proceed pursuant to a separate task order, as necessary

or appropriate. The Parties acknowledge that all Watermaster and IEUA obligations and responsibilities created by the Task Order, including payment obligations, have been satisfied. The total cost for the Task Order was $119,874, of which, pursuant to Sections 5, 6, 7 and 8 of the Task Order, Watermaster paid $59,937 and IEUA paid $59,937.

ALL OTHER PROVISIONS SHALL REMAIN UNCHANGED.

IN WITNESS WHEREOF, the parties hereby have caused this Amendment to be entered into as of the day and year written above.

CHINO BASIN WATERMASTER:	INLAND EMPIRE UTILITIES AGENCY:
Todd M. Corbin, General Manager	Shivaji Deshmukh, P.E. General Manager

CHINO BASIN WATERMASTER

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STAFF REPORT

DATE: March 27, 2025

TO: Board Members

SUBJECT: Second Amendment to Task Order No. 2 Lower Day Basin RMPU Improvement Project Under the Master Agreement Regarding the Management of Collaborative Recharge Projects Between the Inland Empire Utilities Agency and the Chino Basin Watermaster (Business Item II.B.)

Issue: To amend Task Order No. 2 to reflect the completion of the project and end the obligations and responsibilities associated with the Task Order. [AC Approval required]

Recommendation: Approve the amended Task Order No.2 and conclude the associated obligations.

Financial Impact: None. Parties will pay for the project costs through a State Revolving Fund (SRF) loan that matures in 2044.

ACTIONS:
Appropriative Pool – March 13, 2025 [Final]: Provided advice and assistance
Non-Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance
Agricultural Pool – March 13, 2025 [Final]: Provided advice and assistance
Advisory Committee – March 20, 2025 [Final]: Approved
Watermaster Board – March 27, 2025 [Recommended]: Approval

BACKGROUND

Task Order No. 2 was executed on August 28, 2014 under the Master Cost Sharing Agreement between Chino Basin Watermaster (CBWM) and the Inland Empire Utilities Agency (IEUA).

Task Order No. 2 governed the cost for the Lower Day Basin RMPU improvement project. This project modified the existing intake structure and installed an Obermeyer gate in the channel. The Basin's existing embankment was also evaluated and reconstructed to meet the requirements of a dam embankment with the Division of Safety of Dams. Per the 2013 RMPU, this project increased the recharge capacity of the basin by 789 acre-feet per year.

The first amendment to Task Order No. 2 was entered into by Watermaster and IEUA on May 25, 2017. This Amendment changed the total budget for the Project's total budget from $2,480,000 to $4,008,000 due to an addition of design elements to increase recharge yield for the Project to 993 acre-feet per year. The First Amendment to Task Order No. 2 adjusted the reimbursement schedule under which Watermaster provides its share of the costs to IEUA accordingly.

DISCUSSION

Completion of Project construction was unexpectedly delayed due to minor issues with obtaining power to the site and control at the gate pump house. This delay increased the total project cost by $6,957. IEUA and Watermaster staff are recommending increasing the total Project budget from $4,008,000 to $4,014,957 to cover these final costs.

The project is complete and payments towards the project are captured in the Management Agreement Regarding the Management or Collaborative Recharge Projects between IEUA and Chino Basin Watermaster.

Funds were collected towards the project before the State Revolving Fund (SRF) and Grants were obtained but not used. The amount of $238,646.90 was placed into the Carry Over account which now can be used towards other Capital projects, kept in Reserve, or refunded to the Appropriators on the next Watermaster Assessment cycle.

Staff recommends approving the Task Order Amendment to reflect the increase in total cost and end the obligations and responsibility between the parties in relation to the construction of this project.

The Task Order was presented to the Pool Committees on March 13, 2025 where it was unanimously recommended to the Advisory Committee to approve, and ultimately to the Watermaster Board for its approval. At the March 20, 2025 Advisory Committee meeting, the Committee unanimously approved the Amendment to the Task Order.

ATTACHMENTS

1. Fully Executed Task Order No. 2
2. 1st Amendment to Task Order No. 2
3. Draft 2nd Amendment to Task Order No. 2

MASTER AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND INLAND EMPIRE UTILITIES AGENCY REGARDING THE MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS

TASK ORDER NO. 2
LOWER DAY BASIN RMPU IMPROVEMENT PROJECT

This Task Order is made and entered into as of the 28th day of August , 2014 by and between the Chino Basin Watermaster, hereinafter referred to as "Watermaster" and the Inland Empire Utilities Agency, hereinafter referred to as "IEUA" (each a "Party" and collectively, the "Parties").

In consideration of the mutual promises, covenants, and conditions as addressed in the Master Agreement dated July 24, 2014 and as specifically hereinafter set forth, the parties do hereby agree as follows:

1. PURPOSE

The purpose of this Task Order is to govern the project management, planning, permitting, bid/award of construction, design and the construction of the Lower Day Basin RMPU Improvement Project.

This project will modify the existing intake structure and install pneumatic gates in the channel. The pneumatic gates will monitor and self-adjust to maintain a water level or rate of discharge over the gate structure in accordance with an established programmable logic controller. The basin's existing embankment will be evaluated and reconstructed to meet the requirements of a dam embankment with the Division of Safety of Dams. Improvement on the embankment may include excavation and keying to prevent piping and seepage.

The potential increase in Recharge with the inlet is 1,469 acre-feet per year as per 2010 RMPU.

2. SCOPE

The activities to be undertaken pursuant to this Task Order include project development to properly establish project's scope and schedule, preliminary design evaluation to define the extent of the upgrades of each site, design for the preparation of the construction plans and specifications for the upgrades, permitting and CEQA review for each site proposed for upgrades, bid/award of the construction contract to the lowest responsible/responsive bidder, and the construction of the basin upgrades. The following is projected cost breakdown and schedule for each of the project phases:

Phase	Start	Finish	Projected Cost
Project Development	07/01/14	12/17/14	$25,000
Pre-Design	12/18/14	04/10/15	$30,000
Design	04/13/15	11/05/15	$145,275
Environmental Impact	05/29/15	10/10/17	$76,200
Permits	07/28/15	06/01/16	$66,000
Bid and Award	06/02/16	08/26/16	9,000
Construction	08/29/16	01/16/18	$2,128,525
		Total	**$2,480,000**

3. IEUA RESPONSIBILITIES

IEUA agrees to provide project management and contract administration services that include, but are not limited to:

- Engagement of consulting services as needed for:
  - Preliminary design and Design Engineering services;
  - California Environmental Quality Act (CEQA) compliance and Permitting;
  - Bid and award efforts; and
  - Engineering support during construction
- Management of consultants for the above;
- Approval of progress payments for consultants;
- Recommendation as to change orders for consultants; and
- Payment of consultant invoices

During construction IEUA agrees to provide construction management and contract administration services that include, but are not limited to:

- Engagement of Construction Contract services for:
  - Construction work to implement the upgrades
- Management of contractor for the above;
- Approval of progress payments for contractor;
- Recommendation as to change orders for contractor; and
- Payment of contractor invoices

IEUA will supply all personnel and equipment required to perform the assigned services.

4. WATERMASTER RESPONSIBILITIES

Watermaster agrees that it and its employees and consultants will cooperate with IEUA and its contractors in the performance of services under this Task Order and will provide any necessary documentation and information in Watermaster's possession.

5. BUDGET AND COST ALLOCATION

Unless the scope of work is changed and an increase is authorized by the Parties, the budget for the activities to be undertaken pursuant to this Task Order is two million four hundred eighty thousand dollars ($2,480,000) ("Budget"), of which $750,000 in grant funds are available for the Project. The Parties agree that Budget less the grant funds is allocated 100-percent to Watermaster, which is consistent with the methodology described in Section 8.1(b) of the Peace II Agreement, as there is no recycled water component to the project. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3, above. The Budget shall be allocated among the Parties as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below.

Lower Day Basin	Fiscal Year 2014/15	Fiscal Year 2015/16	Fiscal Year 2016/17	Fiscal Year 2017/18	Total
Watermaster	$49,000	$140,000	$140,000	$1,401,000	$1,730,000
IEUA	-	-	-	-	$0
Grant Funding	$21,000	$60,000	$60,000	$609,000	$750,000
Total	**$70,000**	**$200,000**	**$200,000**	**$2,010,000**	**$2,480,000**

6. TOTAL BUDGETED COST

The Parties agree to pay their respective portion of the Budget, less the $750,000 of available grant funding. The parties shall not be required to pay more than $1,730,000 ("Total Budgeted Cost").

7. MAXIMUM COSTS TO WATERMASTER

The costs to be required of Watermaster under this Agreement shall be the Total Budgeted Cost that is not paid with available $750,000 grant money, or $ 1,730,000.

8. MAXIMUM COSTS TO IEUA

There are no costs to be required of IEUA under this Agreement.

9. TERM

Work to be undertaken pursuant to this Task order shall be initiated upon the Effective Date, as described in Section 11, below. The terms of this Task Order shall remain effective until IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

Watermaster's reimbursement of IEUA for work performed under this Task Order shall be as provided in Article 3 of the July 24, 2014 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 2 will become effective upon execution by both Parties.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year and at the place first above written.

CHINO BASIN WATERMASTER

By _____
PETER KAVOUNAS
General Manager

INLAND EMPIRE UTILITIES AGENCY

By _____
P. JOSEPH GRINDSTAFF
General Manager

FIRST AMENDMENT
to
TASK ORDER NO. 2
LOWER DAY BASIN RMPU IMPROVEMENT PROJECT
under the
MASTER AGREEMENT REGARDING THE
MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS
between
INLAND EMPIRE UTILITIES AGENCY
and
CHINO BASIN WATERMASTER

This First Amendment to Task Order No. 2 is made and entered into as of the 25th day of May, 2017 by and between the Inland Empire Utilities Agency ("IEUA") and the Chino Basin Watermaster ("Watermaster") (each a "Party" and collectively, the "Parties").

RECITALS

A. Task Order No. 2 ("Task Order") for the Lower Day Basin RMPU Improvement Project ("Project") was approved by IEUA on August 20, 2014 and by Watermaster on August 28, 2014.

B. On September 4, 2015, IEUA received an executed $750,000 grant award from the United States Department of the Interior's Bureau of Reclamation as part of the Bay Delta Restoration Program: CALFED Water Use Efficiency Grant. The grant was awarded toward the construction efforts of the Project and the San Sevaine Basin RMPU Improvement Project. The projects will each receive $325,000 of these grant funds.

C. During the development and design of the Project, it was determined that a higher recharge yield could be achieved for the Project if the following design elements were implemented:

a. Raise existing wall heights as high as 13-feet by 140-feet long;
b. Imbed new diversion gate flush into the existing channel floor; and,
c. Require multiple redundancy to lower gate.

The added design elements increase the new recharge yield for the Project to 993 acre-feet per year and raise the Project budget to $4,008,000.

D. On November 17, 2016, the Watermaster Board approved the "Post 2014 Stormwater Recharge Program" as part of the results and findings presented from the completed preliminary design report on the agreed 2013 RMPU projects. Under the Post 2014 Stormwater Recharge Program, the Project was recommended for final design, bidding, and construction.

E. IEUA and Watermaster wish to amend the Task Order to reflect the receipt of grant funding for the Project, to increase the Budget and Total Budgeted Cost and adjust Watermaster's budget schedule.

NOW THEREFORE IT IS AGREED TO AMEND THE TASK ORDER AS FOLLOWS:

1. Section 2 of the Task Order titled SCOPE shall be amended to read:

   The activities to be undertaken pursuant to this Task Order include project development to properly establish the project's scope and schedule, preliminary design evaluation to define the extent of the upgrades of each site, design for the preparation of the construction plans and specifications for the upgrades, permitting and CEQA review for each site proposed for upgrades, bid/award of the construction contract to the lowest responsible/responsive bidder, and the construction of the basin upgrades. The following is the projected cost breakdown and schedule for each of the project phases:

Phase	Start	Finish	Projected Cost
Project Development	07/01/14	12/17/14	$25,000
Pre-Design	12/18/14	11/16/16	$159,000
Environmental Impact	12/18/14	04/20/16	$44,000
Permits	12/18/14	01/08/18	$170,000
Design	06/22/17	03/12/18	$278,000
Bid and Award	03/13/18	06/20/18	9,000
Construction	03/22/18	06/28/19	$3,323,000
		Total	$4,008,000

2. Section 5 of the Task Order titled BUDGET AND COST ALLOCATION shall be amended to read:

   Unless the scope of work is changed and an increase is authorized by the Parties, the budget for the activities to be undertaken pursuant to this Task Order is four million eight thousand dollars ($4,008,000) ("Budget"), which includes $750,000 in grant funding from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and $375,000 in grant funding from the United States Bureau of Reclamation. The Parties agree that responsibility for the Budget less the grant funds is allocated 100-percent to Watermaster, which is consistent with the methodology described in Section 8.1(b) of the Peace II Agreement, as there is no recycled water component to the Project. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3 above. The Budget shall be allocated among the Parties as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below.

Lower Day Basin	Prior Fiscal Years (FY)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Total
Watermaster	$335,693	$315,000	$1,248,351	$983,140	$816	$2,883,000
IEUA	$0	-	-	-	-	$0
Grant Funding	$0	-	$1,000,000	$125,000	-	$1,125,000
Total	$335,693	$315,000	$2,248,351	$1,108,140	$816	$4,008,000

3. Section 6 of the Task Order titled TOTAL BUDGETED COST shall be amended to read:

   The Parties agree to pay their respective portion of the Budget, less the $1,125,000 of available grant funding. The Parties shall not be required to pay more than two million eight hundred eighty-three thousand dollars ($2,883,000) ("Total Budgeted Cost").

4. Section 7 of the Task Order titled MAXIMUM COSTS TO WATERMASTER shall be amended to read:

   The costs to be required of Watermaster under this Agreement shall be the Total Budgeted Cost that is not paid with the available $1,125,000 in grant funding, or $2,883,000.

ALL OTHER PROVISIONS SHALL REMAIN UNCHANGED.

IN WITNESS WHEREOF, the parties hereby have caused this Amendment to be entered into as of the day and year written above.

INLAND EMPIRE UTILITIES AGENCY:

Joseph Grindstaff
General Manager

CHINO BASIN WATERMASTER:

Peter Kavounas
General Manager

SECOND AMENDMENT
to
TASK ORDER NO. 2
LOWER DAY BASIN RMPU IMPROVEMENT PROJECT
under the
MASTER AGREEMENT REGARDING THE
MANAGEMENT OF COLLABORATIVE RECHARGE PROJECTS
between
INLAND EMPIRE UTILITIES AGENCY
and
CHINO BASIN WATERMASTER

This Second Amendment to Task Order No. 2 is made and entered into as of the ____ day of March 2025 by and between the Inland Empire Utilities Agency ("IEUA") and the Chino Basin Watermaster ("Watermaster") (each a "Party" and collectively, the "Parties").

RECITALS

A. Task Order No. 2 for the LOWER DAY BASIN RMPU IMPROVEMENT PROJECT (the "Task Order") was entered into by IEUA and Watermaster effective August 28, 2014 to govern the project management, planning, permitting, bid/award of construction, design and construction of the Lower Day Basin RMPU Improvement Project ("Project").

B. The First Amendment to Task Order No. 2 was entered into by Watermaster and IEUA, effective May 25, 2017, which changed the total budget for the Project's total budget from $2,480,000 to $4,008,000 due to addition of design elements to increase recharge yield for the Project to 993 acre-feet per year. The First Amendment to Task Order No. 2 adjusted the reimbursement schedule under which Watermaster provides its share of the costs to IEUA accordingly.

C. Completion of Project construction was unexpectedly delayed due to minor issues with obtaining power to the site and control at the gate pump house. This delay increased the total Project cost by $6,957. IEUA and Watermaster staff are recommending increasing the total Project budget from $4,008,000 to $4,014,957 to cover these final costs.

D. IEUA and Watermaster wish to amend Task Order No. 2 to reflect the recommended increase of total budget funds for the Project and adjustment of the reimbursement schedule under which Watermaster provides its share of the costs to IEUA.

E. Section 9 of the Task Order states: "The terms of this Task Order shall remain effective until IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities."

F. The Project is complete. All obligations and responsibilities of IEUA and Watermaster, including payment obligations, described in the Task Order have been satisfied.

G. IEUA and Watermaster wish to amend the Task Order to reflect the completion of the Project and thereby acknowledge mutual satisfaction of the Parties' obligations and responsibilities in the Task Order.

NOW THEREFORE IT IS AGREED TO AMEND THE TASK ORDER AS FOLLOWS:

1. Section 2 of the Task Order titled SCOPE shall be amended to read:

   The activities to be undertaken pursuant to this Task Order include project development to properly establish the project's scope and schedule, preliminary design evaluation to define the extent of the upgrades of each site, design for the preparation of the construction plans and specifications for the upgrades, permitting and CEQA review for each site proposed for upgrades, bid/award of the construction contract to the lowest responsible/responsive bidder, and the construction of the basin upgrades. The following is the projected cost breakdown and schedule for each of the project phases:

Phase	Start	Finish	Projected Cost
Project Development	07/01/14	12/17/14	$25,000
Pre-Design	12/18/14	11/16/16	$159,000
Environmental Impact	12/18/14	04/20/16	$44,000
Permits	12/18/14	01/08/18	$170,000
Design	06/22/17	03/12/18	$278,000
Bid and Award	03/13/18	06/20/18	$9,000
Construction	03/22/18	12/31/23	$3,329,957
		Total	$4,014,957

2. Section 5 of the Task Order titled BUDGET AND COST ALLOCATION shall be amended to read:

   Unless the scope of work is changed and an increase is authorized by the Parties, the budget for the activities to be undertaken pursuant to this Task Order is four million fourteen thousand nine hundred fifty-seven dollars ($4,014,957) ("Budget"), which includes $750,000 in grant funding from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and $375,000 in grant funding from the United States Bureau of Reclamation. The Parties agree that responsibility for the Budget less the grant funds is allocated 100-percent to Watermaster, which is consistent with the methodology described in Section 8.1(b) of the Peace II Agreement, as there is no recycled water component to the Project. The Budget includes IEUA capital, administrative, and overhead expenses associated with IEUA's provision of the services described in Section 3 above. The Budget shall be allocated among the Parties as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below.

Lower Day Basin	Prior Fiscal Years (FY)	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22 – 23/24	Total
Watermaster	$335,693	$315,000	$1,248,351	$983,140	$816	$6,957	$2,889,957
IEUA	$0	-	-	-	-	-	$0
Grant Funding	$0	-	$1,000,000	$125,000	-	-	$1,125,000
Total	$335,693	$315,000	$2,248,351	$1,108,140	$816	$6,957	$4,014,957

3. Section 6 of the Task Order titled TOTAL BUDGETED COST shall be amended to read:

   The Parties agree to pay their respective portion of the Budget, less the $1,125,000 of available grant funding. The Parties shall not be required to pay more than two million eight hundred eighty-nine thousand nine hundred fifty-seven dollars ($2,889,957) ("Total Budgeted Cost").

4. Section 7 of the Task Order titled MAXIMUM COSTS TO WATERMASTER shall be amended to read:

   The costs to be required of Watermaster under this Agreement shall be the Total Budgeted Cost that is not paid with the available $1,125,000 in grant funding, or $2,889,957.

5. Section 12 shall be added to the Task Order and will read as follows:

   As of December 31, 2023, the Project contemplated in the Task Order was completed. The Parties acknowledge that all Watermaster and IEUA obligations and responsibilities created by the Task Order, including payment obligations, have been satisfied. The total cost for the Task Order was $4,008,000, of which, pursuant to Sections 5, 6, 7 and 8 of the Task Order, Watermaster's cost share is $2,883,000 and IEUA's cost share is $0. However, due to a prolong close-out during construction to address minor control issues, the total cost increased by $6,957, from $4,008,000 to $4,014,957. Watermaster's final cost share is $2,889,957.

ALL OTHER PROVISIONS SHALL REMAIN UNCHANGED.

IN WITNESS WHEREOF, the parties hereby have caused this Amendment to be entered into as of the day and year written above.

CHINO BASIN WATERMASTER:

Todd M. Corbin,
General Manager

INLAND EMPIRE UTILITIES AGENCY:

Shivaji Deshmukh, P.E.
General Manager

Project Status: Wineville/Jurupa/RP3 Basin Improvements

Budget:

- Authorized capital budget: $28,846,016

Available Funding:

- $15.4 M in SRF Loan at 0.55%
- $10.8 M is State and Federal Grants

Progress:

- Construction with MNR is 97% completed
- Overall construction is 85% completed (March 2026) **Pendin**

Completion:

- Electrical wiring
- Control Programming
- Rubber Dam
- Procuring and installation of Pumps

Current Activities:

- Installation of remaining 30-inch pipeline completed
  - Pressure testing on new pipeline passed
- Final electrical wiring nearing completion
  - Finalize installation and connection of electrical panel and new radio system
- Installation of Rubber Dam nearing completion
  - Completed all rubber dam air piping
  - Finished installation of rubber dam in the channel
  - Working on electrical wiring
- Procuring and installation of Pumps
  - Pre-qualified two suppliers
  - Waiting for initial pump submittals
  - See progress schedule for the pumps

Progress Schedule for the Pumps

TASK	PROGRESS	START	END
Prepare Solicitation Documents		**06-Jun-24**	**11-Nov-24**
Draft Documents	100%	06-Jun-24	22-Aug-24
Review Documents	100%	23-Aug-24	28-Aug-24
Finalize Documents	100%	29-Aug-24	11-Nov-24
Request for Qualification of Pump Suppliers		**19-Nov-24**	**14-Jan-25**
Enter into PlanetBids	100%	19-Nov-24	19-Nov-24
Solicitation (Q&A Period)	100%	20-Nov-24	12-Dec-24
Final Week of Solicitation for RFQ	100%	16-Dec-24	19-Dec-24
Close Solicitation for RFQ (milestone)	100%	19-Dec-24	19-Dec-24
Review Responses to the RFQ	100%	20-Dec-24	13-Jan-25
Notify Prequalified Suppliers (milestone)	100%	14-Jan-25	14-Jan-25
Request for Proposal of Prequalified Suppliers		**14-Jan-25**	**14-May-25**
Prequalified Supplier Draft Initial Submittal and Pricing	100%	14-Jan-25	13-Feb-25
Receive Initial Submittal (milestone)	100%	13-Feb-25	13-Feb-25
Review Initial Submittal	100%	13-Feb-25	27-Feb-25
Prequalified Supplier Draft Final Submittal	20%	28-Feb-25	21-Mar-25
Receive Final Submittal (milestone)	0%	21-Mar-25	21-Mar-25
IEUA Reviews Final Submittal to Decide Pump Supplier	0%	24-Mar-25	07-Apr-25
Board of Directors' Authorization of Purchase Order (milestone)	0%	14-May-25	14-May-25
Pump Fabrication/Installation/Testing/ Close-out		**15-May-25**	**12-Feb-26**
Fabrication (22 weeks)	0%	15-May-25	16-Oct-25
Delivery	0%	16-Oct-25	30-Oct-25
Installation	0%	30-Oct-25	29-Dec-25
Testing	0%	29-Dec-25	29-Jan-26
Close Out	0%	29-Jan-26	12-Feb-26