

CHINO BASIN WATERMASTER



NOTICE OF MEETING

Thursday, September 27, 2018

11:00 a.m. – Watermaster Board Meeting

*AT THE CHINO BASIN WATERMASTER OFFICES
9641 San Bernardino Road
Rancho Cucamonga, CA 91730
(909) 484-3888*

CHINO BASIN WATERMASTER

Thursday, September 27, 2018

11:00 a.m. – Watermaster Board Meeting

AGENDA

**CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING**

11:00 a.m. – September 27, 2018

WITH

Mr. Robert DiPrimio – Chair

Mr. Jeff Pierson – Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

AGENDA - ADDITIONS/REORDER

I. CONSENT CALENDAR

Note: 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:

1. Minutes of the Watermaster Board Meeting held August 23, 2018 *(Page 1)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of July 2018 *(Page 5)*
2. Watermaster VISA Check Detail for the month of July 2018 *(Page 17)*
3. Combining Schedule for the Period July 1, 2018 through July 31, 2018 *(Page 21)*
4. Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 *(Page 25)*
5. Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 *(Page 29)*

C. OBMP SEMI-ANNUAL STATUS REPORT 2018-1 *(Page 45)*

Adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

D. WATER TRANSACTIONS *(Page 63)*

Approve the proposed transaction:

The purchase of 500.000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District's Excess Carryover Account. Date of application: July 11, 2018.

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T-18-07-01) *(Page 71)*

Adopt Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) as presented.

B. 2018 RECHARGE MASTER PLAN UPDATE AND RESOLUTION NO. 2018-04 (Page 79)

Approve the 2018 RMPU as presented, adopt Resolution No. 2018-04, and authorize General Counsel to make the appropriate filing requesting the Court's approval.

C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM EVALUATION AND CONCEPTUAL DESIGN SUPPORT (Page 123)

Approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support and authorize the General Manager to execute the agreement on behalf of Watermaster.

III. REPORTS/UPDATES**A. LEGAL COUNSEL REPORT**

1. Appeal of April 28, 2017 Order
2. August 24, 2018 Court Hearing

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

C. CFO REPORT

None

D. GM REPORT

1. Proposed Changes to DYY Program Operation
2. CDA Production
3. 40th Judgment Anniversary Commemoration
4. Other

IV. INFORMATION

1. Cash Disbursements for August 2018 (Page 135)

V. BOARD MEMBER COMMENTS**VI. OTHER BUSINESS****VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Pursuant to Article 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. Appeal of April 28, 2017 Order

VIII. FUTURE MEETINGS AT WATERMASTER

09/27/18	Thu	9:00 a.m.	Ground-Level Monitoring Committee
09/27/18	Thu	11:00 a.m.	Watermaster Board
10/11/18	Thu	9:00 a.m.	Appropriative Pool
10/11/18	Thu	11:00 a.m.	Non-Agricultural Pool
10/11/18	Thu	1:30 p.m.	Agricultural Pool
10/18/18	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
10/18/18	Thu	9:00 a.m.	Advisory Committee
10/18/18	Thu	9:30 a.m.	Recharge Investigations and Projects Committee
10/25/18	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Watermaster Board Meeting held on August 23, 2018

DRAFT MINUTES
CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING

August 23, 2018

The Watermaster Board meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on August 23, 2018.

WATERMASTER BOARD MEMBERS PRESENT

Robert DiPrimio, Chair
Jeff Pierson, Vice-Chair
Bob Kuhn, Secretary/Treasurer
Bob Bowcock
Tom Haughey for Eunice Ulloa
Paul Hofer
Steve Elie
Gino Filippi
Don Galleano

Fontana Water Company
Agricultural Pool – Crops
Three Valleys Municipal Water District
CalMat Co.
City of Chino
Agricultural Pool – Crops
Inland Empire Utilities Agency
City of Upland
Western Municipal Water District

WATERMASTER BOARD MEMBER ABSENT

Eunice Ulloa

City of Chino

WATERMASTER STAFF PRESENT

Peter Kavounas
Joseph Joswiak
Edgar Tellez Foster
Anna Nelson
Justin Nakano

General Manager
Chief Financial Officer
Senior Environmental Engineer
Executive Services Director/Board Clerk
Water Resources Senior Associate

WATERMASTER CONSULTANTS PRESENT

Scott Slater
Brad Herrema
Andy Malone

Brownstein Hyatt Farber Schreck, LLP
Brownstein Hyatt Farber Schreck, LLP
Wildermuth Environmental, Inc.

OTHERS PRESENT

Ron Craig
Todd Corbin
Rick Hansen
Curtis Paxton
Pete Hall
Courtney Jones
Eduardo Espinoza
Steve Sentes
David De Jesus
Amanda Coker
Kati Parker
Darron Poulsen
Raul Garibay
Bob Feenstra
Ryan Shaw
Teri Layton
Brian Geye
Manny Martinez
Betty Anderson
Art Kidman
Dave Crosley

City of Chino Hills
Jurupa Community Services District
Three Valleys Municipal Water District
Chino Basin Desalter Authority
State of California – CIM
City of Ontario
Cucamonga Valley Water District
Chino Basin Water Conservation District
Three Valleys Municipal Water District
City of Chino
Inland Empire Utilities Agency
City of Pomona
City of Pomona
Agricultural Pool – Dairy
Western Municipal Water District
San Antonio Water Company
California Speedway Corporation
Monte Vista Water District
Jurupa Community Services District
Kidman Gagen Law, LLP
City of Chino

Halla Razak
Van Jew
Shaun Stone

Inland Empire Utilities Agency
Monte Vista Water District
Inland Empire Utilities Agency

CALL TO ORDER

Chair DiPrimio called the Watermaster Board meeting to order at 11:02 a.m.

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

None

AGENDA – ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

Approve as presented:

1. Minutes of the Watermaster Board Special Meeting held July 23, 2018
2. Minutes of the Watermaster Board Meeting held July 26, 2018

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of June 2018
2. Watermaster VISA Check Detail for the month of June 2018
3. Combining Schedule for the Period July 1, 2017 through June 30, 2018
4. Treasurer's Report of Financial Affairs for the Period June 1, 2018 through June 30, 2018
5. Budget vs. Actual Report for the Period July 1, 2017 through June 30, 2018

C. WATER TRANSACTIONS

Approve the proposed transactions:

1. The transfer of 80.000 acre-feet of water from West End Consolidated Water Company to Golden State Water Company. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares.
2. The transfer of 853.677 acre-feet of water from West End Consolidated Water Company to City of Upland. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

D. APPLICATION FOR RECHARGE

Approve Fontana Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in Fontana Water Company's existing Local Supplemental Storage account.

(0:00:48)

Motion by Mr. Bob Bowcock, seconded by Mr. Paul Hofer, and by unanimous vote

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND THE CITY OF POMONA FOR CONSTRUCTION AND OPERATION OF THE POMONA EXTENSOMETER

Approve the Right of Entry Agreement between the Chino Basin Watermaster and the City of Pomona for Construction and Operation of the Pomona Extensometer and authorize the General Manager to execute the agreement on behalf of Watermaster.

(0:01:30) Mr. Tellez Foster gave a presentation

Mr. Elie joined the meeting at 11:08 a.m.

(0:07:18)

Motion by Mr. Don Galleano, seconded by Vice-Chair Jeff Pierson, and by unanimous vote

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

B. TASK ORDER NO. 3 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: POMONA EXTENSOMETER CONTRACT ADMINISTRATION

Approve Task Order No. 3 Under Master Agreement for Collaborative Projects: Pomona Extensometer Contract Administration and authorize the General Manager to execute the agreement on behalf of Watermaster.

(0:07:57)

Motion by Vice-Chair Jeff Pierson, seconded by Mr. Bob Kuhn, and by unanimous vote

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

C. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND CHINO REAL ESTATE 13799 LLC (MONITORING WELL PRESERVATION AT FORMER CROWN COACH FACILITY)

Approve the Right of Entry Agreement between the Chino Basin Watermaster and Chino Real Estate 13799, LLC and authorize the General Manager to execute the agreement on behalf of Watermaster.

(0:08:35) Mr. Kavounas gave a report.

(0:09:13)

Motion by Mr. Bob Bowcock, seconded by Vice-Chair Jeff Pierson, and by unanimous vote

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

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal of April 28, 2017 Order
2. August 24, 2018 Court Hearing
3. Overlying (Agricultural) Pool Committee's Consolidated and Amended Contests

(0:09:37) Mr. Slater gave a report on Item III.A.1. and announced that the motion to stay hearing was postponed to December 28, 2018. A discussion ensued.

(0:11:47) Mr. Corbin gave an update on the Safe Yield Reset appeal process. A discussion ensued.

(0:15:24) Mr. Slater gave reports on Items III.A.2. – III.A.3.

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

(0:17:59) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

None

D. GM REPORT

1. 2018 RMPU
2. SGMA Update
3. Other

(0:21:48) Mr. Nakano gave a report on Item III.D.1.

(0:22:50) Mr. Tellez Foster gave a report on Item III.D.2.

(0:24:50) Mr. Kavounas announced the final Storage Framework Workshop #8 will be held on September 11, 2018 and shared thoughts on the Fiscal Year 2018/19 Assessment Package process. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for July 2018

V. BOARD MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair DiPrimio called for a confidential session at 11:36 a.m. to discuss the Appeal of April 28, 2017 Order and Advisory Committee Request For Watermaster Assistance. Chair DiPrimio announced that confidential session concluded at 12:09 p.m. with no reportable action.

Mr. Galleano left the meeting at 11:55 a.m. before Confidential Session concluded.

ADJOURNMENT

Chair DiPrimio adjourned the Watermaster Board meeting at 12:10 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of July 2018
2. Watermaster VISA Check Detail for the month of July 2018
3. Combining Schedule for the Period July 1, 2018 through July 31, 2018
4. Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018
5. Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (July 31, 2018)

SUMMARY

Issue: Record of Cash Disbursements for the month of July 2018.

Recommendation: Receive and file Cash Disbursements for July 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

Future Consideration

Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018: Received and filed

Non-Agricultural Pool – September 13, 2018: Moved unanimously to receive and file, without approval

Agricultural Pool – September 13, 2018: Received and filed

Advisory Committee – September 20, 2018: Received and filed

Watermaster Board – September 27, 2018:

BACKGROUND

A monthly cash disbursement report is provided to keep all members apprised of Watermaster expenditures.

DISCUSSION

Total cash disbursements during the month of July 2018 were \$1,500,109.66.

The most significant expenditures during the month were to Inland Empire Utilities Agency in the amounts of \$293,578.73 and \$580,585.00 (check number 20881 dated July 12, 2018 and check number 20923 dated July 25, 2018); Wildermuth Environmental, Inc. in the amount of \$263,095.48 (check number 20897 dated July 12, 2018); and Brownstein Hyatt Farber Schreck in the amount of \$98,819.21 (check number 20875 dated July 12, 2018).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	07/03/2018	ACH 070318	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	1394905143		1394905143	60182.1 · Medical Insurance	8,440.38
TOTAL						8,440.38
General Journal	07/06/2018	07/06/2018	Payroll and Taxes for 06/17/18-06/30/18	Payroll and Taxes for 06/17/18-06/30/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 06/17/18-06/30/18	1012 · Bank of America Gen'l Ckg	26,280.94
				Payroll Taxes for 06/17/18-06/30/18	1012 · Bank of America Gen'l Ckg	8,351.98
			ICMA-RC	457(b) Employee Deductions for 06/17/18-06/30/18	1012 · Bank of America Gen'l Ckg	4,738.05
			ICMA-RC	401(a) Employee Deductions for 06/17/18-06/30/18	1012 · Bank of America Gen'l Ckg	1,303.27
TOTAL						40,674.24
Bill Pmt -Check	07/06/2018	ACH 070618	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	06/30/2018	06/30/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 06/17/18-06/30/18	2000 · Accounts Payable	6,725.08
TOTAL						6,725.08
Bill Pmt -Check	07/12/2018	20872	ACCENT COMPUTER SOLUTIONS, INC.		1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	122435		Nakano desktop - balance due	6055 · Computer Hardware	899.20
Bill	06/30/2018	122520		Cloud Storage - FTP Replacement	6052.5 · IT Data Backup/Storage	712.50
Bill	07/01/2018	122283		Monthly Service - July 2018	6052.4 · IT Managed Services	4,275.00
				Overwatch - July 2018	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud - July 2018	6052.5 · IT Data Backup/Storage	96.00
				Office 365 subscriptions - July 2018	6054 · Computer Software	33.20
TOTAL						6,714.90
Bill Pmt -Check	07/12/2018	20873	ACWA JOINT POWERS INSURANCE AUTHORITY	0562305	1012 · Bank of America Gen'l Ckg	
Bill	07/02/2018	0562305		Prepayment - August 2018	1409 · Prepaid Life, BAD&D & LTD	238.02
				July 2018	60191 · Life & Disab.Ins Benefits	230.00
TOTAL						468.02
Bill Pmt -Check	07/12/2018	20874	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	XXXX-XXXX-XXXX-9341		Nakano desktop-50% deposit	6055 · Computer Hardware	899.20
				Work uniforms for staff	6154 · Uniforms	552.12
				Replacement microwave for lunchroom	6031.7 · Other Office Supplies	129.29
				Work uniforms for staff	6154 · Uniforms	122.90
				Recruitment ad through Brown and Caldwell	6016 · New Employee Search Costs	200.00
				Recruitment ad through Water District Jobs	6016 · New Employee Search Costs	175.00
				HR meeting with PK, ATN, JJ	6141.3 · Admin Meetings	53.59
				GSA Summit-Sacramento-PK lunch	6191 · Conferences - General	15.54
				GSA Summit-Sacramento-PK Ontario parking	6191 · Conferences - General	72.00

P7

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	06/30/2018	725029		725029	6907.38 · Reg. Water Quality Cntrl Board	52.65
Bill	06/30/2018	725030		725030	6907.39 · Recharge Master Plan	4,384.80
Bill	06/30/2018	725031		725031	6907.40 · Storage Agreements	3,530.70
Bill	06/30/2018	725032		725032	6907.41 · Prado Basin Habitat Sustain	558.45
Bill	06/30/2018	725033		725033	6907.42 · Safe Yield Recalculation	29,786.40
Bill	06/30/2018	725034		725034	6907.44 · SGMA Compliance	3,885.75
TOTAL						98,819.21
Bill Pmt -Check	07/12/2018	20876	CENTURYLINK	71184178	1012 · Bank of America Gen'l Ckg	
Bill	06/26/2018	71184178		6/17/18-7/16/18	6053 · Internet Expense	1,051.36
TOTAL						1,051.36
Bill Pmt -Check	07/12/2018	20877	EGOSCUE LAW GROUP, INC.	11995	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	11995		Ag Pool Legal Service - June 2018	8467 · Ag Legal & Technical Services	17,850.00
TOTAL						17,850.00
Bill Pmt -Check	07/12/2018	20878	ESRI	93478421	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2018	93478421		ESRI maintenance 8/19/2018-8/18/2019	6054 · Computer Software	1,038.75
TOTAL						1,038.75
Bill Pmt -Check	07/12/2018	20879	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	6/14 Personnel Comm		6/14/18 Personnel Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/15/2018	6/15 Ag Pool Meeting		6/15/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/21/2018	6/21 Advisory Comm.		6/21/18 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/21/2018	6/21 Recharge Comm		6/21/18 Recharge Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/28/2018	6/28 Board Meeting		6/28/18 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						625.00
Bill Pmt -Check	07/12/2018	20880	GRAINGER	9818007958	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	9818007958		Miscellaneous supplies	7103.6 · Grdwtr Qual-Supplies	429.92
TOTAL						429.92
Bill Pmt -Check	07/12/2018	20881	INLAND EMPIRE UTILITIES AGENCY	90022391	1012 · Bank of America Gen'l Ckg	
Bill	07/02/2018	90022391		Groundwater Recharge O&M Cost Reimbursement	7206 · Comp Recharge-O&M	293,578.73
TOTAL						293,578.73
Bill Pmt -Check	07/12/2018	20882	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018			June 2018	8367 · Legal Service	4,024.00
TOTAL						4,024.00

P 9

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	07/12/2018	20883	KAVOUNAS, PETER	Travel Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2018			Travel Expense Reimbursement	6191 · Conferences - General	103.63
TOTAL						103.63
Bill Pmt -Check	07/12/2018	20884	LOS ANGELES NEWS GROUP	900421820	1012 · Bank of America Gen'l Ckg	
Bill	06/28/2018	900421820		Inland Valley Daily Bulletin newspaper-26 weeks	6112 · Subscriptions/Publications	324.72
TOTAL						324.72
Bill Pmt -Check	07/12/2018	20885	PAYCHEX	2018062800	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	2018062800		June 2018	6012 · Payroll Services	336.24
TOTAL						336.24
Bill Pmt -Check	07/12/2018	20886	PHILADELPHIA INSURANCE COMPANY	Insurance Package	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2018	16028326249		Commercial General Liability 06/26/18-06/26/19	6085 · Business Insurance Package	4,094.00
				Commercial Auto Coverage 06/26/18-06/26/19	6085 · Business Insurance Package	4,717.28
				UltimateCover Property Coverage 06/26/18-06/26/19	6085 · Business Insurance Package	2,600.00
				Employee Benefits Coverage 06/26/18-06/26/19	6085 · Business Insurance Package	300.00
Bill	07/01/2018	16028326263		Commercial Umbrella 06/26/18-06/26/19	6085 · Business Insurance Package	2,868.00
TOTAL						14,579.28
Bill Pmt -Check	07/12/2018	20887	PREMIERE GLOBAL SERVICES	26051074	1012 · Bank of America Gen'l Ckg	
Bill	06/26/2018	26051074		Pomona extensometer call on 05/29	6909.1 · OBMP Meetings	8.59
				Pomona extensometer call on 6/04	6909.1 · OBMP Meetings	7.87
				Pomona extensometer call on 6/11	6909.1 · OBMP Meetings	7.01
				Non-Ag Pool mtg call on 06/14	8512 · Meeting Expense	27.50
				Pomona extensometer call on 06/18	6909.1 · OBMP Meetings	6.20
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				WM coordination call on 5/29	6909.1 · OBMP Meetings	6.22
				Personnel Committee call on 5/31	6909.1 · OBMP Meetings	7.90
				WM coordination call on 6/04	6909.1 · OBMP Meetings	27.05
				WM coordination call on 6/05	6909.1 · OBMP Meetings	6.22
				WM coordination call on 6/11	6909.1 · OBMP Meetings	11.85
				WM coordination call on 6/13	6909.1 · OBMP Meetings	6.22
				WM coordination call on 6/13	6909.1 · OBMP Meetings	21.03
				Advisory agenda call on 6/18	6212 · Meeting Expense	18.46
				RMPU Section 6 call on 6/19	6909.1 · OBMP Meetings	15.93
				WM coordination call on 6/25	6909.1 · OBMP Meetings	13.94
				Board agenda call on 6/26	6312 · Meeting Expenses	16.43
				Service Fee	6022 · Telephone	11.43

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						317.85
Bill Pmt -Check	07/12/2018	20888	PURCHASE POWER	8000-9090-0016-8851	1012 - Bank of America Gen'l Ckg	
Bill	06/22/2018	8000909000168851		Postage refill	6042 - Postage - General	500.00
				Supplies	6042 - Postage - General	10.99
TOTAL						510.99
Bill Pmt -Check	07/12/2018	20889	R&D PEST SERVICES	0230753	1012 - Bank of America Gen'l Ckg	
Bill	07/05/2018	0230753		Pest control - inside and outside	6024 - Building Repair & Maintenance	100.00
TOTAL						100.00
Bill Pmt -Check	07/12/2018	20890	READY REFRESH BY NESTLE	0023230253	1012 - Bank of America Gen'l Ckg	
Bill	06/26/2018	0023230253		Office Water Bottle - June 2018	6031.7 - Other Office Supplies	29.32
TOTAL						29.32
Bill Pmt -Check	07/12/2018	20891	SANTA ANA WATERSHED PROJECT AUTHORITY		1012 - Bank of America Gen'l Ckg	
Bill	07/01/2018	9341		FY 2018-19 Basin Monitoring Program Task Force	6903 - OBMP SAWPA Group	6,421.00
Bill	07/01/2018	9339		FY 2018-19 Middle SAR Pathogen TMDL Task Forc	8471 - Ag Pool Expense	14,018.00
TOTAL						20,439.00
Bill Pmt -Check	07/12/2018	20892	STAPLES BUSINESS ADVANTAGE	8050398742	1012 - Bank of America Gen'l Ckg	
Bill	06/23/2018	8050398742		Miscellaneous office supplies	6031.7 - Other Office Supplies	75.17
TOTAL						75.17
Bill Pmt -Check	07/12/2018	20893	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 - Bank of America Gen'l Ckg	
Bill	07/01/2018	1970970-18		Deposit premium 6/26/18-6/26/19	60183 - Worker's Comp Insurance	300.99
TOTAL						300.99
Bill Pmt -Check	07/12/2018	20894	TELLEZ-FOSTER, EDGAR	Expense Reimbursement	1012 - Bank of America Gen'l Ckg	
Bill	06/25/2018	SGMA 062518		SGMA-Flight change	6173 - Airfare/Mileage	94.00
				SGMA-lunch	6141.2 - Committee Meetings	26.57
				SGMA-parking	6173 - Airfare/Mileage	10.00
				SGMA-transportation	6173 - Airfare/Mileage	38.36
TOTAL						168.93
Bill Pmt -Check	07/12/2018	20895	VERIZON WIRELESS	9808989254	1012 - Bank of America Gen'l Ckg	
Bill	06/22/2018	9808989254		Acct #642073270-00001	7103.7 - Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
Bill Pmt -Check	07/12/2018	20896	VISION SERVICE PLAN	00-101789-0001	1012 - Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	06/28/2018	001017890001		Vision Insurance Premium - July 2018	60182.2 · Dental & Vision Ins	88.20
TOTAL						88.20
Bill Pmt -Check	07/12/2018	20897	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	05/31/2018	2018750		2018750	6906.31 · OBMP-Pool, Adv. Board Mtgs	6,614.38
Bill	05/31/2018	2018151		2018151	6906.32 · OBMP-Other General Meetings	5,319.11
Bill	05/31/2018	2018152		2018152	6906.74 · OBMP-Mat'l Phy. Injury Requests	130.50
Bill	05/31/2018	2018153		2018153	6906.71 · OBMP-Data Req.-CBWM Staff	3,780.85
Bill	05/31/2018	2018154		2018154	6906.72 · OBMP-Data Req.-Non CBWM Staff	917.20
Bill	05/31/2018	2018155		2018155	6906 · OBMP Engineering Services	1,966.00
Bill	05/31/2018	2018156		2018156	7103.3 · Grdwtr Qual-Engineering	15,489.95
Bill	05/31/2018	2018157		2018157	7104.3 · Grdwtr Level-Engineering	13,317.78
Bill	05/31/2018	2018158		Neva Ridge Technologies, Inc.	7107.3 · Grd Level-SAR Imagery	65,300.00
Bill	05/31/2018	2018159		WSP USA	7107.6 · Grd Level-Contract Svcs	16,630.67
				2018159	7107.2 · Grd Level-Engineering	1,939.98
Bill	05/31/2018	2018160		2018160	7108.31 · Hydraulic Control - PBHSP	7,594.92
Bill	05/31/2018	2018161		2018161	7109.3 · Recharge & Well - Engineering	4,040.10
Bill	05/31/2018	2018162		2018162	7202.2 · Engineering Svc	2,464.09
P12						
Bill	05/31/2018	2018163		2018163	7402 · PE4-Engineering	10,957.15
Bill	05/31/2018	2018164		2018164	7402.10 · PE4 - Northwest MZ1 Area Proj.	11,243.75
Bill	05/31/2018	2018165		2018165	7502 · PE6&7-Engineering	562.80
Bill	05/31/2018	2018166		2018166	7510 · PE6&7-IEUA Salinity Mgmt. Plan	60,322.73
Bill	05/31/2018	2018167		2018167	7602 · PE8&9-Engineering	33,681.02
Bill	05/31/2018	2018168		2018168	6906.27 · HCP Mtgs/Tech. Review-IEUA Cost	822.50
TOTAL						263,095.48
Bill Pmt -Check	07/12/2018	20898	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2018	08-k2 213849		July 2018	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
General Journal	07/14/2018	07/14/2018	Payroll and Taxes for 07/01/18-07/14/18	Payroll and Taxes for 07/01/18-07/14/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 07/01/18-07/14/18	1012 · Bank of America Gen'l Ckg	26,045.91
				Payroll Taxes for 07/01/18-07/14/18	1012 · Bank of America Gen'l Ckg	8,509.06
			ICMA-RC	457(b) Employee Deductions for 07/01/18-07/14/18	1012 · Bank of America Gen'l Ckg	4,541.43
			ICMA-RC	401(a) Employee Deductions for 07/01/18-07/14/18	1012 · Bank of America Gen'l Ckg	1,311.76
TOTAL						40,408.16
Check	07/16/2018	07/16/2018	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	598.31
TOTAL						598.31

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	07/17/2018	07/17/201	Payroll and Taxes for 07/01/18-07/17/18	Payroll and Taxes for 07/01/18-07/17/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 07/01/18-07/17/18	1012 · Bank of America Gen'l Ckg	3,232.99
				Payroll Taxes for 07/01/18-07/17/18	1012 · Bank of America Gen'l Ckg	638.95
			ICMA-RC	401(a) Employee Deductions for 07/01/18-07/17/18	1012 · Bank of America Gen'l Ckg	43.60
TOTAL						3,915.54
Bill Pmt -Check	07/20/2018	ACH 071918	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	07/14/2018	07/14/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 07/01/18-07/14/18	2000 · Accounts Payable	6,887.13
General Journal	07/17/2018	07/17/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 07/01/18-07/17/18	2000 · Accounts Payable	285.42
TOTAL						7,172.55
Bill Pmt -Check	07/23/2018	20899	APPLIED COMPUTER TECHNOLOGIES	2991	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	2991		Database Consulting Services - June 2018	6052.2 · Applied Computer Technol	4,380.80
TOTAL						4,380.80
Bill Pmt -Check	07/23/2018	20900	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/21/2018	6/21 Advisory Comm		6/21/18 Advisory Committee	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	07/23/2018	20901	CHEF DAVE'S CAFE & CATERING	8299	1012 · Bank of America Gen'l Ckg	
Bill	06/28/2018	8299		Lunch for 6/28/18 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						600.69
Bill Pmt -Check	07/23/2018	20902	CORELOGIC INFORMATION SOLUTIONS	81902142	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	81902142		81902142	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81902142	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	07/23/2018	20903	CUCAMONGA VALLEY WATER DISTRICT		1012 · Bank of America Gen'l Ckg	
Bill	07/17/2018			Office lease due August 1, 2018	1422 · Prepaid Rent	6,608.80
TOTAL						6,608.80
Bill Pmt -Check	07/23/2018	20904	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/15/2018	6/15 Ag Pool Mtg		6/15/18 Ag Pool Meeting	8411 · Compensation	25.00
				6/15/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	07/23/2018	20905	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	06/15/2018	6/15 Ag Pool Mtg		6/15/18 Ag Pool Meeting	8411 · Compensation	25.00
				6/15/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	07/23/2018	20906	DI PRIMIO, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	6/14 Personnel Comm		6/14/18 Personnel Committee meeting	6311 · Board Member Compensation	125.00
Bill	06/26/2018	6/26 Board Agenda		6/26/18 Board Agenda preview mtg	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	07/23/2018	20907	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/08/2018	6/08 Admin Mtg		6/08/18 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	07/23/2018	20908	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	L0396911		L0396911	7108.4 · Hydraulic Control-Lab Svcs	496.00
Bill	06/30/2018	L0398557		L0398557	7108.4 · Hydraulic Control-Lab Svcs	1,225.00
Bill	06/30/2018	L0398558		L0398558	7108.4 · Hydraulic Control-Lab Svcs	1,488.00
TOTAL						3,209.00
Bill Pmt -Check	07/23/2018	20909	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	07/23/2018	20910	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	07/17/2018	90948438900509145		Office fax	6022 · Telephone	145.02
TOTAL						145.02
Bill Pmt -Check	07/23/2018	20911	GREAT AMERICA LEASING CORP.	23007135	1012 · Bank of America Gen'l Ckg	
Bill	07/17/2018	23007135		Invoice for July 2018	6043.1 · Ricoh Lease Fee	2,605.07
TOTAL						2,605.07
Bill Pmt -Check	07/23/2018	20912	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	6/14 Personnel Comm		6/14/18 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	06/21/2018	6/21 Advisory Comm		6/21/18 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	06/26/2018	6/26 Board Conf Call		6/26/18 Board conference call	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						500.00

PTA

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	07/23/2018	20913	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	07/17/2018	0111802		Employee deductions - July 2018	60194 · Other Employee Insurance	79.70
TOTAL						79.70
Bill Pmt -Check	07/23/2018	20914	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	6/14 Personnel Comm		6/14/18 Personnel Committee Mtg	6311 · Board Member Compensation	125.00
Bill	06/15/2018	6/15 Ag Pool Mtg		6/15/18 Ag Pool Mtg	8470 · Ag Meeting Attend -Special	125.00
Bill	06/21/2018	6/21 Advisory Comm		6/21/18 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/21/2018	6/21 RIPCCom Mtg		6/21/18 RIPCCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	06/26/2018	6/26 Admin Mtg		6/26/18 Admin mtg w/GM, Board conference call	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						750.00
Bill Pmt -Check	07/23/2018	20915	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/15/2018	6/15 Ag Pool Mtg		6/15/18 Ag Pool Meeting	8411 · Compensation	25.00
				6/15/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
P15 TOTAL						
Bill Pmt -Check	07/23/2018	20916	PITNEY BOWES CREDIT CORPORATION	3102280437	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	3102280437		Postage meter lease	6044 · Postage Meter Lease	401.91
TOTAL						401.91
Bill Pmt -Check	07/23/2018	20917	PRINTING RESOURCES	65182	1012 · Bank of America Gen'l Ckg	
Bill	07/03/2018	65182		Business cards - Anna Truong Nelson qty: 250	6031.7 · Other Office Supplies	131.25
TOTAL						131.25
Bill Pmt -Check	07/23/2018	20918	RR FRANCHISING, INC.		1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	59118		Carpet cleaning on 6/30/18	6024 · Building Repair & Maintenance	600.00
Bill	07/01/2018	58144		Monthly service July 2018	6024 · Building Repair & Maintenance	740.00
TOTAL						1,340.00
Bill Pmt -Check	07/23/2018	20919	STAPLES BUSINESS ADVANTAGE	8050481445	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	8050481445		Miscellaneous office supplies	6031.7 · Other Office Supplies	68.48
TOTAL						68.48
Bill Pmt -Check	07/23/2018	20920	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	07/01/2018	1970970-18		Monthly premium 6/26/18-7/26/18	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	07/23/2018	20921	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

Type	Date	Num	Name	Memo	Account	Paid Amount	
Bill	07/31/2018			Retiree Medical	60182.4 · Retiree Medical	25.17	
TOTAL						25.17	
Bill Pmt -Check	07/23/2018	20922	VERIZON WIRELESS	9810303037	1012 · Bank of America Gen'l Ckg		
Bill	07/17/2018	9810303037		Acct #470810953-00001	6022 · Telephone	297.37	
TOTAL						297.37	
Bill Pmt -Check	07/25/2018	20923	INLAND EMPIRE UTILITIES AGENCY	90022465	1012 · Bank of America Gen'l Ckg		
Bill	07/01/2018	90022465		FY 2018/19 Debt Service Payment	7690.1 · Recharge Improvement Debt Pymts	580,585.00	
TOTAL						580,585.00	
Bill Pmt -Check	07/25/2018	ACH 072518	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg		
Bill	07/01/2018	15345636		Annual Lump Sum Prepayment for Plan 27239	60180 · Employers PERS Expense	621.00	
TOTAL						621.00	
Bill Pmt -Check	07/26/2018	ACH 072618	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg		
Bill	07/01/2018	15345627		Annual Unfunded Accrued Liability for Plan 3299	60180 · Employers PERS Expense	5,456.55	
TOTAL						5,456.55	
P 1 6	General Journal	07/28/2018	07/28/2018	Payroll and Taxes for 07/15/18-07/28/18	Payroll and Taxes for 07/15/18-07/28/18	1012 · Bank of America Gen'l Ckg	
					Direct Deposits for 07/15/18-07/28/18	1012 · Bank of America Gen'l Ckg	34,259.38
					Payroll Taxes for 07/15/18-07/28/18	1012 · Bank of America Gen'l Ckg	11,470.13
				ICMA-RC	457(b) Employee Deductions for 07/15/18-07/28/18	1012 · Bank of America Gen'l Ckg	4,541.43
				ICMA-RC	401(a) Employee Deductions for 07/15/18-07/28/18	1012 · Bank of America Gen'l Ckg	1,311.76
TOTAL						51,582.70	
General Journal	07/31/2018	07/31/2018	Wage Works FSA Direct Debits - July 2018	Wage Works FSA Direct Debits - July 2018	1012 · Bank of America Gen'l Ckg		
				Wage Works FSA Direct Debits - July 2018	1012 · Bank of America Gen'l Ckg	724.98	
				Wage Works FSA Direct Debits - July 2018	1012 · Bank of America Gen'l Ckg	724.98	
				Wage Works FSA Direct Debits - July 2018	1012 · Bank of America Gen'l Ckg	81.50	
TOTAL						1,531.46	
					Total Disbursements:	1,500,109.66	



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (July 31, 2018)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of July 2018.

Recommendation: Receive and file VISA Check Detail Report for July 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

Future Consideration

Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018: Received and filed

Non-Agricultural Pool – September 13, 2018: Moved unanimously to receive and file, without approval

Agricultural Pool – September 13, 2018: Received and filed

Advisory Committee – September 20, 2018: Received and filed

Watermaster Board – September 27, 2018:

BACKGROUND

A monthly VISA Check Detail report is provided to keep all members apprised of Watermaster expenditures charged against the General Manager and Chief Financial Officer's Bank of America VISA card.

DISCUSSION

The total cash disbursements during the month of July 2018 was \$3,916.14. The payment was processed in the amount of \$3,916.14 (by check number 20874 dated July 12, 2018). The monthly charges for July 2018 of \$3,916.14 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
July 2018

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	07/12/2018	20874	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	XXXX-XXXX-XXXX-9341		Nakano desktop-50% deposit	6055 · Computer Hardware	899.20
				Work uniforms for staff	6154 · Uniforms	552.12
				Replacement microwave for lunchroom	6031.7 · Other Office Supplies	129.29
				Work uniforms for staff	6154 · Uniforms	122.90
				Recruitment ad through Brown and Caldwell	6016 · New Employee Search Costs	200.00
				Recruitment ad through Water District Jobs	6016 · New Employee Search Costs	175.00
				HR meeting with PK, ATN, JJ	6141.3 · Admin Meetings	53.59
				GSA Summit-Sacramento-PK lunch	6191 · Conferences - General	15.54
				GSA Summit-Sacramento-PK Ontario parking	6191 · Conferences - General	72.00
				GSA Summit-Sacramento-PK hotel	6191 · Conferences - General	679.40
				PK meeting with S. Elie	6312 · Meeting Expenses	37.85
				PK meeting with T. Layton, V. Jew	8312 · Meeting Expenses	53.12
				Lunch for 6/14/18 Appropriative and Non-Ag Pool	8512 · Meeting Expense	50.00
				Lunch for 6/14/18 Appropriative and Non-Ag Pool	8312 · Meeting Expenses	50.00
				Lunch for 6/15/18 Ag Pool discussion	8412 · Meeting Expenses	143.20
				SGMA-Sacramento-Airflight-EFT	6191 · Conferences - General	348.96
				Early check-in for flight to Sacramento-EFT	6191 · Conferences - General	15.00
				Early check-in for flight to Sacramento-EFT	6191 · Conferences - General	15.00
				PK meeting with Pierro	6141.3 · Admin Meetings	23.30
				PK meeting with Razak	8312 · Meeting Expenses	51.01
				Attention To Detail Training-CG	6191 · Conferences - General	97.00
				PK meeting with Ulloa	6312 · Meeting Expenses	34.36
				Book-Prosperity in the Age of Decline	6031.7 · Other Office Supplies	28.29
				Flowers for staff in hospital	6141.3 · Admin Meetings	70.01
					Total Disbursements:	<u>3,916.14</u>

P19

TOTAL

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through July 31, 2018 - Financial Report B3 (July 31, 2018)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through July 31, 2018.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through July 31, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

Future Consideration

Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018: Received and filed

Non-Agricultural Pool – September 13, 2018: Moved unanimously to receive and file, without approval

Agricultural Pool – September 13, 2018: Received and filed

Advisory Committee – September 20, 2018: Received and filed

Watermaster Board – September 27, 2018:

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2018 through July 31, 2018 is provided to keep all members apprised of the FY 2018/19 cumulative Watermaster revenues, expenditures and changes in net assets for the period listed.

DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Net Assets has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Combining Schedule provided balances to the supporting documentation in the Watermaster accounting system as presented.

ATTACHMENTS:

1. Financial Report - B3

CHINO BASIN WATERMASTER
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET ASSETS
 FOR THE PERIOD JULY 1, 2018 THROUGH JULY 31, 2018

P23

WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER REPLENISHMENT	LAIF VALUE ADJ.	GASB 75 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2018-2019
		APPROPRIATIVE POOL	AG POOL	NON-AG POOL					
Administrative Revenues:									
Administrative Assessments		-		-				-	8,655,545
Interest Revenue		-	-	-				-	63,968
Mutual Agency Project Revenue	167,712							167,712	167,712
Miscellaneous Income	10							10	0
Total Revenues	167,723	-	-	-	-	-	-	167,723	8,887,225
Administrative & Project Expenditures:									
Watermaster Administration	214,899							214,899	1,337,141
Watermaster Board-Advisory Committee	21,262							21,262	226,519
Ag Pool Misc. Expense - Ag Fund			-					-	400
Pool Administration		13,223	54,261	15,328				82,812	624,643
Optimum Basin Mgmt Administration	106,220							106,220	2,273,267
OBMP Project Costs	471,047							471,047	5,577,248
Debt Service	580,585							580,585	580,585
Basin Recharge Improvements	-							-	2,995,562
Total Administrative/OBMP Expenses	236,161	1,157,852	13,223	54,261	15,328	-	-	1,476,826	13,615,365
Net Administrative/OBMP Expenses	(68,438)	(1,157,852)							
Allocate Net Admin Expenses To Pools	68,438		49,684	16,223	2,531			-	
Allocate Net OBMP Expenses To Pools		577,267	419,078	136,837	21,352			-	
Allocate Debt Service to App Pool		580,585	580,585					-	
Allocate Basin Recharge to App Pool		-	-					-	
Agricultural Expense Transfer*			207,322	(207,322)				-	
Total Expenses			1,269,892	-	39,211	-	-	1,476,826	13,615,365
Net Administrative Income			(1,269,892)	-	(39,211)	-	-	(1,309,103)	(4,728,140)
Other Income/(Expense)									
Replenishment Water Assessments								-	0
Desalter Replenishment Obligation								-	0
Non-Ag Stored Water Purchases								-	0
Exhibit "G" Non-Ag Pool Water			-					-	0
Interest Revenue								-	0
MWD Water Purchases								-	0
Non-Ag Stored Water Purchases								-	0
Exhibit "G" Non-Ag Pool Water			-					-	0
MWD Water Purchases								-	0
Groundwater Replenishment								-	0
LAIF - Fair Market Value Adjustment								-	0
Gain on Sale of Assets								-	0
Other Post-Employment Benefits (OPEB)								-	0
Refund-Excess Reserves								-	0
Refund-Recharge Debt								-	0
Funding To/(From) Reserves								-	0
Net Other Income/(Expense)			-	-	-	-	-	-	0
Net Transfers To/(From) Reserves	(1,309,103)		(1,269,892)	-	(39,211)	-	-	(1,309,103)	(4,728,140)
Net Assets, July 1, 2018			9,661,977	493,108	80,791	(4,534)	(20,461)	(443,445)	9,767,436
Net Assets, End of Period			8,392,085	493,108	41,580	(4,534)	(20,461)	(443,445)	8,458,333
16/17 Assessable Production			82,269.159	26,862.554	4,191.579			113,323.292	
16/17 Production Percentages			72.597%	23.704%	3.699%			100.000%	

*Fund balance transfer as agreed to in the Peace Agreement.

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018

TO: Board Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 -
Financial Report B4 (July 31, 2018)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of July 1, 2018 through July 31, 2018.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

Future Consideration

Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018: Received and filed

Non-Agricultural Pool – September 13, 2018: Moved unanimously to receive and file, without approval

Agricultural Pool – September 13, 2018: Received and filed

Advisory Committee – September 20, 2018: Received and filed

Watermaster Board – September 27, 2018:

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST); cash on deposit in trust with the County of San Bernardino as a result of the Cooperation and Reimbursement Agreement between Chino Basin Watermaster and County of San Bernardino dated May 25, 2017; and cash on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF) and/or CalTRUST, the most current effective yield as of the last quarter, and the ending balance in LAIF as of the reporting date.

DISCUSSION

The Treasurer's Report of Financial Affairs has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Treasurer's Report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

ATTACHMENTS

1. Financial Report - B4

**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JULY 1, 2018 THROUGH JULY 31, 2018**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	448,145		
Zero Balance Account - Payroll		-		448,145
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				9,725,442
TOTAL CASH IN BANKS AND ON HAND				\$ 10,174,932
TOTAL CASH IN BANKS AND ON HAND	7/31/2018			11,573,163
	6/30/2018			11,573,163
PERIOD INCREASE (DECREASE)				\$ (1,398,231)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:			\$	(67,248)
Accounts Receivable				-
Assessments Receivable				27,192
Prepaid Expenses, Deposits & Other Current Assets				(21,239)
(Decrease)/Increase in Liabilities				(31,211)
Accounts Payable				3,379
Accrued Payroll, Payroll Taxes & Other Current Liabilities				(1,309,103)
Long Term Liabilities				
Transfer to/(from) Reserves				
PERIOD INCREASE (DECREASE)				\$ (1,398,231)

P27

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash		Govt'l Checking Demand		Zero Balance Account Payroll		Trust Account County of San Bernardino		Local Agency Investment Funds		Totals
Balances as of 6/30/2018	\$	500	\$	668,805	\$	-	\$	845	\$	10,903,013	\$ 11,573,163
Deposits		-		1,279,450		-		-		57,429	1,336,879
Transfers		-		116,105		(73,060)		-		(1,235,000)	(1,191,955)
Withdrawals/Checks		-		(1,616,215)		73,060		-		-	(1,543,155)
Balances as of 7/31/2018	\$	500	\$	448,145	\$	-	\$	845	\$	9,725,442	\$ 10,174,932
PERIOD INCREASE OR (DECREASE)	\$	-	\$	(220,659)	\$	-	\$	-	\$	(1,177,571)	\$ (1,398,231)

**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JULY 1, 2018 THROUGH JULY 31, 2018**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
7/12/2018	Interest		57,429				
7/12/2018	Withdrawal		(635,000)				
7/25/2018	Withdrawal		(600,000)				
TOTAL INVESTMENT TRANSACTIONS			\$ (1,177,571)	\$0			

* The earnings rate for L.A.I.F. is a daily variable rate; 1.90% was the effective yield rate at the Quarter ended June 30, 2018.

**INVESTMENT STATUS
July 31, 2018**

<u>Financial Institution</u>	<u>Principal Amount</u>	<u>Number of Days</u>	<u>Interest Rate</u>	<u>Maturity Date</u>
Local Agency Investment Fund	\$ 9,725,442			
TOTAL INVESTMENTS	\$ 9,725,442			

Funds on hand are sufficient to meet all foreseen and planned Administrative and project expenditures during the next six months.

All investment transactions have been executed in accordance with the criteria stated in Chino Basin Watermaster's Investment Policy.

Respectfully submitted,



Joseph S. Joswiak
Chief Financial Officer
Chino Basin Watermaster

P28



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 -
Financial Report B5 (July 31, 2018)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2018 through July 31, 2018.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2018/19 "Amended" Watermaster Budget.

Future Consideration

Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018: Received and filed

Non-Agricultural Pool – September 13, 2018: Moved unanimously to receive and file, without approval

Agricultural Pool – September 13, 2018: Received and filed

Advisory Committee – September 20, 2018: Received and filed

Watermaster Board – September 27, 2018:

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2018 through July 31, 2018 is provided to keep all members apprised of the total revenues and expenses for the current fiscal year. The expense section is categorized into four distinct sections. Those sections are: General and Administrative Expenses; Optimum Basin Management Program Expenses; Project Expenses; and Other Income/Expenses. The Budget vs. Actual report has been created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Budget vs. Actual report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

DISCUSSION

CURRENT MONTH – JULY 2018

Year-To-Date (YTD) for the one month ending July 31, 2018, all but seven categories were at or below the projected budget. The categories over budget were: (1) the Administration Salary/Benefits expenses (6010's) which were over budget by \$9,977 or 11.1% as a result of increased staff time and activities in the administrative functions. Please note that the overage is only in the administrative section, not with the entire consolidated staffing budget; (2) Watermaster Legal Services expenses (6070's) over budget by \$46,466 or 357.4% as a result of miscellaneous legal matters as detailed in the BHFS section; (3) Advisory Committee expenses (6200's) over budget by \$507 or 12.2% as a result of increased BHFS legal activities during the month of July 2018; (4) Watermaster Board expenses (6300's) over budget by \$3,181 or 23.7% as a result of one additional special Board meeting during the month of July 2018; (5) Appropriative Pool Administration expenses (8300's) over budget by \$1,255 or 10.5% as a result of increased legal activities by the Appropriative Pool attorney for the month of July 2018; (6) Agricultural Pool Legal Services (8467's) over budget by \$18,316 or 107.2% as a result of increased legal activities performed by the Agricultural Pool's attorney during the month of July 2018; and (7) Non-Agricultural Pool Administration expenses (8500's) over budget by \$5,941 or 63.3% as a result of increased legal activities performed by the Non-Agricultural Pool's attorney during the month of July 2018. For the majority of the expense categories within the Watermaster budget for FY 2018/19, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, these categories listed above could level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$4,826,104 or 76.6% below the (YTD) Budgeted Expenses of \$6,302,930.

During the month of July 2018, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$4,728,140.07 has been posted to the general ledger accounts. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2018/19 is \$13,615,365.07 which includes \$4,728,140.07 for the prior years "Carry Over" funding. The Original Approved budget for FY 2018/19 of \$8,887,225 was adopted by the Watermaster Board on May 24, 2018 ($\$8,887,225 + \$4,728,140.07 = \$13,615,365.07$).

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None:

SALARIES EXPENSE

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) Watermaster salary expenses were \$10,217 or 6.4% below the (YTD) budgeted amount of \$158,701. The overall staffing budget was developed with a staffing level of ten Full-

Time Equivalentents (FTE's), and staffing is currently at eight Full-Time Equivalentents (FTE's) at the end of July 2018.

The Sr. Field Operations Specialist submitted his written resignation on July 3, 2018 and left employment of Watermaster on July 17, 2018. Watermaster staff met with the Personnel Committee on August 23, 2018 to discuss the plan to reclassify Position #10 from a Water Resources Associate to a Sr. Field Operations Specialist. The Personnel Committee unanimously approved and recommended moving forward with the new position reclassification and adjustment.

The positions of Field Operations Specialist (Position #9) and Sr. Field Operations Specialist (Position #10) are currently under recruitment. The final selection of the two top candidates, along with issuance of a conditional offer of employment will take place before September 10, 2018 with the final screening process being successful completion of a background investigation, passing a drug test, and passing a pre-employment physical. The two positions are anticipated to be onboard with Watermaster as early as October 1, 2018. Both candidates will be introduced to the Watermaster parties at the Pools, Advisory, and Board meetings scheduled for October 2018.

Watermaster utilizes an in-house database time and attendance system to track and record staff's actual hours worked and records those hours to a specific project or activity. This time and attendance database of captured staff hours and activities is the basis for the bi-weekly payrolls which are processed using an external payroll processing service. Watermaster staff can record time to a large number of activities but the five most used categories are as follows (1) General Administrative activities; (2) Paid Leaves of vacation, sick or holiday; (3) Pools, Advisory or Board Meeting attendance; (4) OBMP activities; and (5) OBMP Implementation Program Elements 1 through 9 activities.

When the FY 2018/19 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which of the projects or activities. The staffing dollars were then allocated into those specific areas and budgeted on a 1/12 monthly budget. When actual staffing activities vary from the budgeted assumptions, a positive or negative variance can be created. Currently, the allocations are tracking within budget.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of July 31, 2018. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	<u>Jul '18 - Jul '18</u> <u>Actual</u>	<u>Jul '18 - Jul '18</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2018/19</u> <u>Annual Budget</u>
WM Salary Expense					
6011 · WM Staff Salaries	70,859.87	84,037.00	-13,177.13	84.32%	993,161.00
6011.1 · WM Staff Salaries - Overtime	238.72	0.00	238.72	100.0%	0.00
6011.4 · 457(f) NQDC Plan	3,378.63	2,470.00	908.63	136.79%	37,034.00
6015 · Miscellaneous Payments	0.00	0.00	0.00	0.0%	0.00
6017 · Temporary Services	0.00	1,750.00	-1,750.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	2,218.92	2,137.00	81.92	103.83%	25,259.00
6301 · Watermaster Board - WM Staff Salaries	3,482.36	3,420.00	62.36	101.82%	40,422.00
8301 · Appropriative Pool - WM Staff Salaries	3,403.21	3,180.00	223.21	107.02%	37,577.00
8401 · Agricultural Pool - WM Staff Salaries	1,834.87	2,693.00	-858.13	68.14%	31,829.00
8501 · Non-Agricultural Pool - WM Staff Salaries	1,498.33	1,837.00	-338.67	81.56%	21,712.00
6901 · OBMP - WM Staff Salaries	3,401.84	11,924.00	-8,522.16	28.53%	140,931.00
7101.1 · Production Monitor - WM Staff Salaries	4,923.34	5,424.00	-500.66	90.77%	64,095.00
7102.1 · In-line Meter - WM Staff Salaries	0.00	1,579.00	-1,579.00	0.0%	18,657.00
7103.1 · Grdwater Quality - WM Staff Salaries	4,384.08	6,076.00	-1,691.92	72.15%	71,806.00
7104.1 · Grdwater Level - WM Staff Salaries	6,225.69	5,371.00	854.69	115.91%	63,475.00
7106.1 · Wtr Level Sensor - WM Staff Salaries	0.00	0.00	0.00	0.0%	0.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	0.00	448.00	-448.00	0.0%	5,290.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	340.00	-340.00	0.0%	4,015.00
7108.11 · Prado Basin - WM Staff Salaries	0.00	463.00	-463.00	0.0%	5,466.00
7201 · Comp Recharge - WM Staff Salaries	3,619.98	4,949.00	-1,329.02	73.15%	58,482.00
7301 · PE3&5 - WM Staff Salaries	1,474.40	1,368.00	106.40	107.78%	16,174.00
7401 · PE4 - WM Staff Salaries	1,179.52	839.00	340.52	140.59%	9,919.00
7501 · PE6&7 - WM Staff Salaries	0.00	473.00	-473.00	0.0%	5,588.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	417.00	-417.00	0.0%	4,925.00
7601 · PE8&9 - WM Staff Salaries	423.89	1,806.00	-1,382.11	23.47%	21,350.00
Subtotal WM Staff Costs	112,547.65	143,001.00	-30,453.35	78.7%	1,698,167.00
60185 · Vacation	27,445.86	6,521.00	20,924.86	420.88%	77,067.00
60186 · Sick Leave	3,992.50	4,624.00	-631.50	86.34%	54,656.00
60187 · Holidays	4,497.64	4,555.00	-57.36	98.74%	68,319.00
Subtotal WM Paid Leaves	35,936.00	15,700.00	20,236.00	228.89%	200,042.00
Total WM Salary Costs	148,483.65	158,701.00	-10,217.35	93.56%	1,898,209.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

LEGAL SERVICES
BROWNSTEIN HYATT FARBEN SCHRECK EXPENSES

CURRENT MONTH – JULY 2018

The Watermaster Legal Services budget was developed jointly by the Watermaster staff and Brownstein Hyatt Farber Schreck staff with specific assumptions regarding the tasks and legal activities that would occur during FY 2018/19. The total legal services budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. The “Approved” budget was adopted for the original amount of \$963,028.

As of July 31, 2018, the total (YTD) Watermaster Legal Services expenses (consolidating the three categories of Watermaster Administrative Legal Services, Pool/Advisory/Board Meeting legal expenses, and OBMP legal expenses) were \$26,017 or 32.3% above the (YTD) budgeted amount of \$80,614.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of July 31, 2018, was \$46,466 or 357.4% above the budgeted amount of \$13,002. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$28,463 or 781.7%; Personnel Matters (6073) which were over budget by \$2,908 or 352.5%; Party Status Maintenance (6077) which were over budget by \$1,680 or 111.0%; and the Miscellaneous

Category (6078) which were over budget by \$17,288 or 548.8%. Please see Note 1 on the following page for a more detailed explanation of the miscellaneous types of expenses (6078).

The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Rules and Regulations (6072) under budget by \$903 or 100.0%; and Interagency Issues (6074) under budget by \$2,970 or 100.0%.

WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of July 31, 2018 was \$1,038 or 6.3% above the budgeted amount of \$16,425. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2018. With regards to the Board Meeting expenses (6375), an additional Special Board Meeting was held during the month of July 2018 which increased the legal services for this category.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of July 31, 2018 the category of OBMP legal expenses were \$21,487 or 42.0% below the budgeted amount of \$51,187. The majority of expenses within this OBMP category were under budget (YTD), however, the Safe Yield Redetermination and Reset legal expenses (6907.42) were over budget by \$11,782 or 124.0%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of July 31, 2018 compared to the Year-To-Date (YTD) budget. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	<u>Jul '18 - Jul '18</u> <u>Actual</u>	<u>Jul '18 - Jul '18</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2018/19</u> <u>Annual Budget</u>
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	32,104.11	3,641.00	28,463.11	881.74%	43,700.00
6072 · BHFS Legal - Rules & Regulations	0.00	903.00	-903.00	0.0%	10,825.00
6073 · BHFS Legal - Personnel Matters	3,732.75	825.00	2,907.75	452.46%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	2,970.00	-2,970.00	0.0%	35,640.00
6076 · BHFS Legal - Storage Issues	0.00	0.00	0.00	0.0%	0.00
6077 · BHFS Legal - Party Status Maintenance	3,192.75	1,513.00	1,679.75	211.02%	18,150.00
6078 · BHFS Legal - Miscellaneous (Note 1)	20,438.30	3,150.00	17,288.30	648.84%	37,800.00
Total 6070 · Watermaster Legal Services	59,467.91	13,002.00	46,465.91	457.38%	156,015.00
6275 · BHFS Legal - Advisory Committee	2,434.60	1,980.00	454.60	122.96%	21,780.00
6375 · BHFS Legal - Board Meeting	9,512.12	7,020.00	2,492.12	135.5%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	0.00	0.00	0.00	0.0%	12,038.00
8375 · BHFS Legal - Appropriative Pool	1,838.81	2,475.00	-636.19	74.3%	27,225.00
8475 · BHFS Legal - Agricultural Pool	1,838.81	2,475.00	-636.19	74.3%	27,225.00
8575 · BHFS Legal - Non-Ag Pool	1,838.81	2,475.00	-636.19	74.3%	27,225.00
Total BHFS Legal Services	17,463.15	16,425.00	1,038.15	106.32%	192,713.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	1,091.00	-1,091.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	0.00	1,091.00	-1,091.00	0.0%	13,125.00
6907.33 · Desalter/Hydraulic Control	0.00	1,966.00	-1,966.00	0.0%	23,625.00
6907.34 · Santa Ana River Water Rights	278.10	1,359.00	-1,080.90	20.46%	16,275.00
6907.36 · Santa Ana River Habitat	141.75	3,612.00	-3,470.25	3.92%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	1,312.00	-1,312.00	0.0%	15,750.00
6907.39 · Recharge Master Plan	2,442.28	3,950.00	-1,507.72	61.83%	47,400.00
6907.40 · Storage Agreements	603.45	7,700.00	-7,096.55	7.84%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	0.00	1,356.00	-1,356.00	0.0%	16,250.00
6907.42 · Safe Yield Recalculation	21,282.49	9,500.00	11,782.49	224.03%	114,000.00
6907.44 · SGMA Compliance	4,952.13	6,575.00	-1,622.87	75.32%	78,900.00
6907.45 · OBMP Update	0.00	9,013.00	-9,013.00	0.0%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	2,662.00	-2,662.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	29,700.20	51,187.00	-21,486.80	58.02%	614,300.00
Total Brownstein, Hyatt, Farber, Schreck Costs	106,631.26	80,614.00	26,017.26	132.27%	963,028.00

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows: (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, replenishment obligations, annual report, audit report, business plan, etc.); (3) Brownstein's status review of ongoing Watermaster projects and issues; (4) Brownstein's update of the outstanding issues list; (5) Coordination of ongoing Watermaster projects; (6) Review of draft documents and contracts; (7) Review transfer documents; (8) Ground-Level Monitoring Committee reports/meetings; (9) Review process and criteria for SGMA reporting; (10) MVWD SCADA Agreement and installation; (11) Angelica Corporation Bankruptcy matter; (12) NRG/GENON Bankruptcy matter; (13) Pomona extensometer project, CEQA review and compliance; (14) Desalter Replenishment obligations, assessment methodologies, and ongoing issues; (15) Master Cost Sharing Agreement with IEUA; (16) Estimation and adoption of an evaporative loss policy for Recharge; (17) CalMat intervention; (18) Angelica's water rights transfer; (19) Exhibit "G" rate issues; (20) Blomquist outline review; (21) Right of Entry Agreements for various locations; and (22) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – JULY 2018

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the four categories of OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, and OBMP Other Expenses) for the one month ending July 31, 2018, the actual expenses of \$103,953 were below the budgeted amount of \$185,743 by \$81,790 or 44.0%. For a detailed discussion, the following is provided.

For July 31, 2018, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$8,843 or 47.4%. Watermaster utilizes an in-house database time and attendance system to record and document staff's actual hours worked and also allocates those hours to a specific project or activity. Watermaster staff time could be charged to Administrative, OBMP, or Implementation Project categories. Recently, Watermaster staff spent less time on specific OBMP related areas as budgeted. As a result, Watermaster staff allocated less actual time to the OBMP project as budgeted, which resulted in an under budget variance of \$8,522 or 71.5%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2018/19 Basin Monitoring Program Task Force Contribution which was budgeted at \$6,742 and actual expenses were \$321 or 4.8% below budget as of July 31, 2018.

For July 31, 2018, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$51,003 or 44.3%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the Water Rights Compliance Reporting expenses (6906.22) which were over budget by \$5,436 or 254.4%; the OBMP-Data Requests-CBWM Staff Engineering Services expenses (6906.71) which were over budget by \$8,144 or 97.7%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$22,451 or 495.3%.

Within the category 6907 (Optimum Basin Mgmt. Program Legal Fees) are the remaining Brownstein Hyatt Farber Schreck (BHFS) Watermaster's legal expenses. Within the legal expense category, some individual line item activities were above the budget by \$11,782 while some other line item activities were below the budget by \$33,269. Above the budget line item was the Safe Yield Redetermination and Reset expenses of \$11,782. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$1,091; the Chino Airport Plume of \$1,091; the Desalter/Hydraulic Control of \$1,966; the Santa Ana River Habitat expenses of \$3,470; the Regional Water Quality Control Board of \$1,312; the Recharge Master Plan of \$1,508; Storage Agreements of \$7,097; the Prado Basin Habitat Sustainability of \$1,356; SGMA Compliance of \$1,623; OBMP Update of \$9,013; and the WM Unanticipated legal expenses of \$2,662. For the one month ended July 31, 2018, the overall cumulative (YTD) budget was \$51,187 and the actual (BHFS) legal expenses totaled \$29,700 which resulted in an under budget variance of \$21,487 or 42.0%.

The OBMP Other Expenses (6909's) were below the budget for the month. These expenses are typically conference calls, meeting expenses, supplies, annual inspection fees, and other miscellaneous type expenses. As of July 31, 2018 this category of expenses was \$457 or 65.2% below the budgeted amount of \$701.

The WEI Support for IEUA expenses are categorized within the category (6910's). The individual general ledger accounts are as follows: IRP Groundwater Modeling-WEI expenses (6910.10); As Needed Support for Obtaining Grant Funding of RMPU Projects expenses (6910.11); Preparation of a Compliance Demonstration for Stormwater Recharge expenses (6910.12); Ground Water Velocity Field for the San Sevaine Improvement Project expenses (6910.13); Truing-Up the 2013 RMPU Estimates expenses (6910.14); WEI Support-HCP Modeling expenses (6910.15); and RMPU-MPI Analysis expenses (6910.20). These expenses are billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the agreement. As of July 31, 2018 this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$103,953 compared to a (YTD) budget of \$185,743 for an under budget of \$81,790 or 44.0% as of July 31, 2018.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of July 31, 2018 compared to the Year-To-Date (YTD) budget. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	Jul '18 - Jul '18 Actual	Jul '18 - Jul '18 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	3,401.84	11,924.00	-8,522.16	28.53%	140,931.00
6903 · OBMP SAWPA Group	6,421.00	6,742.00	-321.00	95.24%	6,742.00
Total 6901-6903 · OBMP WM Staff/SAWPA	9,822.84	18,666.00	-8,843.16	52.62%	147,673.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	0.00	4,875.00	-4,875.00	0.0%	58,544.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	1,180.00	1,667.00	-487.00	70.79%	19,960.00
6906.21 · State of the Basin Report	0.00	13,200.00	-13,200.00	0.0%	158,422.00
6906.22 · Water Rights Compliance Reporting	7,572.65	2,137.00	5,435.65	354.36%	25,650.00
6906.23 · SGMA Reporting Requirements	0.00	1,125.00	-1,125.00	0.0%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	0.00	678.00	-678.00	0.0%	8,092.00
6906.26 · 2019 OBMP Update	0.00	13,239.00	-13,239.00	0.0%	158,872.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	0.00	1,486.00	-1,486.00	0.0%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	1,871.00	-1,871.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	6,853.55	8,163.00	-1,309.45	83.96%	97,962.00
6906.32 · OBMP - Other General Meetings	1,737.25	6,755.00	-5,017.75	25.72%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	16,480.98	8,337.00	8,143.98	197.69%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	1,381.70	2,692.00	-1,310.30	51.33%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	0.00	33,907.00	-33,907.00	0.0%	406,884.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	513.30	6,000.00	-5,486.70	8.56%	71,967.00
6906.81 · Prepare Annual Reports	707.60	1,623.00	-915.40	43.6%	19,498.00
6906.9 · OBMP - 2018 RMPU Master Update	26,983.90	4,533.00	22,450.90	595.28%	54,396.00
6906 · OBMP Engineering Services - Other	774.80	2,901.00	-2,126.20	26.71%	34,768.00
Total 6906 · OBMP Engineering Services	64,185.73	115,189.00	-51,003.27	55.72%	1,382,262.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	1,091.00	-1,091.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	0.00	1,091.00	-1,091.00	0.0%	13,125.00
6907.33 · Desalter/Hydraulic Control	0.00	1,966.00	-1,966.00	0.0%	23,625.00
6907.34 · Santa Ana River Water Rights	278.10	1,359.00	-1,080.90	20.46%	16,275.00
6907.36 · Santa Ana River Habitat	141.75	3,612.00	-3,470.25	3.92%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	1,312.00	-1,312.00	0.0%	15,750.00
6907.39 · Recharge Master Plan	2,442.28	3,950.00	-1,507.72	61.83%	47,400.00
6907.40 · Storage Agreements	603.45	7,700.00	-7,096.55	7.84%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	0.00	1,356.00	-1,356.00	0.0%	16,250.00
6907.42 · Safe Yield Recalculation	21,282.49	9,500.00	11,782.49	224.03%	114,000.00
6907.44 · SGMA Compliance	4,952.13	6,575.00	-1,622.87	75.32%	78,900.00
6907.45 · OBMP Update	0.00	9,013.00	-9,013.00	0.0%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	2,662.00	-2,662.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	29,700.20	51,187.00	-21,486.80	58.02%	614,300.00
Total 6907 · OBMP Legal Fees	29,700.20	51,187.00	-21,486.80	58.02%	614,300.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	243.73	125.00	118.73	194.98%	1,500.00
6909.3 · Other OBMP Expenses	0.00	163.00	-163.00	0.0%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	413.00	-413.00	0.0%	5,000.00
Total 6909 · OBMP Other Expenses	243.73	701.00	-457.27	34.77%	8,500.00
6910 · WEI Support for IEUA					
6910.10 · IRP Groundwater Modeling - WEI	0.00	0.00	0.00	0.0%	0.00
6910.11 · WEI Support-Grant Funding-RMPU	0.00	0.00	0.00	0.0%	0.00
6910.12 · WEI Support-Stormwater Recharge	0.00	0.00	0.00	0.0%	0.00
6910.13 · IEUA-San Sevaine Improvement Project	0.00	0.00	0.00	0.0%	0.00
6910.14 · Truing-Up 2013 RMPU Estimates	0.00	0.00	0.00	0.0%	0.00
6910.15 · WEI Support-HCP Modeling	0.00	0.00	0.00	0.0%	0.00
6910.20 · RMPU-MPI Analysis	0.00	0.00	0.00	0.0%	0.00
6910.50 · WEI Support for IEUA-Billings	0.00	0.00	0.00	0.0%	0.00
Total 6910 · WEI Support for IEUA	0.00	0.00	0.00	0.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	103,952.50	185,743.00	-81,790.50	55.97%	2,152,735.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

ENGINEERING SERVICES - OBMP IMPLEMENTATION PROJECTS COSTS
WILDERMUTH ENVIRONMENTAL, INC.

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) Engineering Services expenses were \$1,689,392 or 89.3% below the (YTD) budget amount of \$1,891,440. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of July 31, 2018, with the exception of the Groundwater Quality-Engineering expenses (7103.3) which were over budget by \$2,673 or 16.1%; and PE4-Engineering expenses (7402) which were over budget by \$16,083 or 184.0%.

The breakdown of the total Task Order amount of \$2,929,798 includes direct labor costs for Wildermuth Environmental, Inc. (87.2%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (12.8%).

The approved "Original" Engineering Services budget of \$2,929,798 was increased by "Carry Over" funding in the amount of \$1,594,653 to the "Amended" amount of \$4,524,451 for FY 2018/19 as provided in the Engineering Services Task Order. All of the "Carry Over" funding is for projects or activities that have bridged previous fiscal years and are expected to be completed in the FY 2018/19 timeframe or future years. The Carry-Over amount of \$1,594,653 from FY 2017/18 to the FY 2018/19 budget are provided in detail as follows:

1. 7107.2 Ground-Level - Engineering Services of \$24,822. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
2. 7107.6 Ground-Level - Contract Services of \$20,727. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
3. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$1,530,279. The installation of the Pomona Extensometer has been delayed until FY 2018/19 and the monitoring program in Northwest MZ-1 has not yet been fully implemented. The carryover request will support the efforts to drill, construct, equip, test, and document the installation of the Pomona Extensometer, and complete the installation of the monitoring network in Northwest MZ-1.
4. 7510 IEUA - Update Recycled Water Permit-Salinity for \$18,825. The Salinity Management effort is a 2.5-year project and is being cost shared with IEUA. FY 2017/18 was the first year of implementation. The unspent budget in FY 2017/18 is necessary to complete the total project.

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding. The first quarter ECAC report (for the months July 2018 - September 2018) is scheduled to be produced by Wildermuth Environmental, Inc. and distributed to Watermaster during the month of October 2018.

The table listed below summarized the Year-To-Date (YTD) Actual Wildermuth Environmental, Inc., (WEI) and other Engineering costs compared to the Year-To-Date (YTD) Budget as of July 31, 2018. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	Jul '18 - Jul '18 Actual	Jul '18 - Jul '18 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6906 · OBMP Engineering Services - Other	774.80	2,901.00	-2,126.20	26.71%	34,768.00
6906.1 · OBMP - Watermaster Model Update	0.00	4,875.00	-4,875.00	0.0%	58,544.00
6906.15 · Integrated Model Mtgs-IEUA Cost	1,180.00	1,667.00	-487.00	70.79%	19,960.00
6906.21 · State of the Basin Report	0.00	13,200.00	-13,200.00	0.0%	158,422.00
6906.22 · Water Rights Compliance Reporting	7,572.65	2,137.00	5,435.65	354.36%	25,650.00
6906.23 · SGMA Reporting Requirements	0.00	1,125.00	-1,125.00	0.0%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	0.00	678.00	-678.00	0.0%	8,092.00
6906.26 · 2019 obmp Update	0.00	13,239.00	-13,239.00	0.0%	158,872.00
6906.27 · HCP Meetings/Technical Review-IEUA Cost	0.00	1,486.00	-1,486.00	0.0%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	1,871.00	-1,871.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	6,853.55	8,163.00	-1,309.45	83.96%	97,962.00
6906.32 · OBMP - Other General Meetings	1,737.25	6,755.00	-5,017.75	25.72%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	16,480.98	8,337.00	8,143.98	197.69%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	1,381.70	2,692.00	-1,310.30	51.33%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	0.00	33,907.00	-33,907.00	0.0%	406,884.00
6906.74 · OBMP - Mat'l Physical Injury Requests	513.30	6,000.00	-5,486.70	8.56%	71,967.00
6906.81 · Prepare Annual Reports	707.60	1,623.00	-915.40	43.6%	19,498.00
6906.90 · OBMP - 2018 RMPU Master Update	26,983.90	4,533.00	22,450.90	595.28%	54,396.00
7103.3 · Grdwtr Qual-Engineering	19,276.72	16,604.00	2,672.72	116.1%	199,243.00
7103.5 · Grdwtr Qual-Lab Svcs	0.00	6,470.00	-6,470.00	0.0%	38,820.00
7104.3 · Grdwtr Level-Engineering	8,398.87	20,027.00	-11,628.13	41.94%	240,328.00
7104.8 · Grdwtr Level-Contracted Services	0.00	837.00	-837.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	663.00	-663.00	0.0%	8,000.00
7107.2 · Grd Level-Engineering	4,488.18	30,940.00	-26,451.82	14.51%	98,243.00
7107.3 · Grd Level-SAR Imagery	12,000.00	15,000.00	-3,000.00	80.0%	85,000.00
7107.6 · Grd Level-Contract Svcs	9,370.71	26,689.00	-17,318.29	35.11%	92,227.00
7107.8 · Grd Level-Capital Equipment	0.00	1,054.00	-1,054.00	0.0%	12,692.00
7108.31 · Hydraulic Control-PBHSP	0.00	6,429.00	-6,429.00	0.0%	77,159.00
7108.4 · Hydraulic Control-Lab Svcs	1,634.00	2,260.00	-626.00	72.3%	9,038.00
7108.41 · Hydraulic Control-PBHSP	0.00	0.00	0.00	0.0%	15,026.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	837.00	-837.00	0.0%	10,000.00
7109.3 · Recharge & Well - Engineering	0.00	2,104.00	-2,104.00	0.0%	25,248.00
7202.2 · Comp Recharge-Engineering Services	2,010.90	7,633.00	-5,622.10	26.35%	91,640.00
7303 · PE3&5-Engineering - Other	0.00	817.00	-817.00	0.0%	9,760.00
7402 · PE4-Engineering	24,826.40	8,743.00	16,083.40	283.96%	104,910.00
7402.10 · PE4-MZ1 Pomona Project	1,619.64	1,544,709.00	-1,543,089.36	0.11%	1,703,417.00
7403 · PE4-Contract Svcs	0.00	837.00	-837.00	0.0%	10,000.00
7502 · PE6&7-Engineering	4,356.00	7,326.00	-2,970.00	59.46%	87,912.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	0.00	26,272.00	-26,272.00	0.0%	108,178.00
7602 · PE8&9-Engineering	49,880.50	50,000.00	-119.50	99.76%	105,348.00
Total Engineering Services Costs	202,047.65	1,891,440.00	-1,689,392.35	10.68%	4,524,451.00 *

* Wildermuth and Subcontractor Engineering Budget of \$2,929,798 plus Carryover Funds from FY 2017/18 of \$1,594,653
Carryover Funds from FY 2017/18 of \$1,594,653 = \$24,822 (7107.2); \$20,727 (7107.6); \$1,530,279 (7402.10); and \$18,825 (7510)

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None:

PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

Ongoing Costs

Program costs that are ongoing (Ongoing Costs) will be cost-shared between Watermaster and IEUA, split on a 50/50 basis, subject to the following limitation: in each fiscal year, neither Watermaster nor IEUA shall be obligated to reimburse the other for Ongoing Costs that exceed the amount that the reimbursing party has budgeted for Ongoing Costs in that fiscal year, except as agreed upon by both parties in writing or as amended during the fiscal year. The first year expenses (FY 2016/17) to be cost shared were approximately \$300,000, with projected future years (FY 2017/18 and forward) estimated at

approximately \$150,000. For the purposes of the agreement, Ongoing Costs are defined as the costs associated with the following Program activities:

1. A Riparian Habitat Monitoring Program, including, but not limited to, the following sub-tasks:
 - a. Design and implement a site-specific vegetation monitoring program with the United States Bureau of Reclamation (USBR) and Orange County Water District, pursuant to which USBR will perform site-specific vegetation surveys.
 - b. Manage and perform custom flight to collect a high resolution air photo of the Prado Basin Region.
 - c. Collect, check, and upload historical air photos and vegetation survey data in the Prado Basin region.
 - d. Collect, check, and upload historical Landsat data in the Prado Basin region.
2. A Climate Monitoring Program, including, but not limited to, the following sub-task:
 - a. Collect, check, and upload climatic data on an annual basis
3. Preparation of the AMP Annual Report (Annual Report), including, but not limited to, the following sub-tasks:
 - a. Water level monitoring, vegetation survey, photo monitoring, landsat data, climate data and analysis of the components.
 - b. Analyze data and prepare an administrative draft of the Annual Report for Watermaster/IEUA.
 - c. Incorporate the Watermaster and IEUA comments and prepare a draft Annual Report for review by the PBHSC.
 - d. Meet with PBHSC to review draft Annual Report.
 - e. Incorporate PBHSC comments and finalize the Annual Report.
4. Annual license fees for monitoring wells.
5. Project management and administration activities associated with the Program undertaken by a Party's consultant, including, but not limited to, the following sub-tasks:
 - a. Ad-Hoc Meetings
 - b. Preparation of scope and budget for the Program
 - c. Project administration and financial reporting
6. Other costs required to fulfill the requirements of Peace II Subsequent EIR mitigation measure 4.4-3.

Watermaster shall be responsible for the costs associated with the Groundwater Level Monitoring Program, Groundwater Quality Monitoring Program, and Surface Water Monitoring Program.

Watermaster and IEUA shall each have responsibility for its own administrative costs, excluding the tasks and expenses included under Set-Up Costs and Ongoing Costs.

Watermaster and IEUA will meet to review the cost-sharing structure under this agreement and negotiate necessary adjustments in good faith on at least an annual basis.

The Peace II SEIR does not explicitly state a duration for the monitoring and mitigation program. It is logical to assume that the program will last until the drawdown impacts, if any, on the riparian habitat from Peace II activities are fully manifested and not predicated to worsen, and that mitigation measures, if any are required, are fully implemented. This is not a perpetual agreement. Upon termination of the monitoring and any necessary mitigation obligations, the parties may elect to terminate the cost share agreement.

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster
Jul. 2018 - Jul. 2018	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ -	\$ -
	7108.31	7108.31	7108.31	
Maximum Costs	\$ 174,318.00	\$ 87,159.00	\$ 87,159.00	\$ 87,159.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)
 None:

OTHER INCOME AND EXPENSE

Per section VI.D.3 of the Groundwater Storage Program Funding Agreement No. 49960 in the Chino Basin with The Metropolitan Water District of Southern California, the FY 2018/19 annual administrative fee invoice was issued on July 6, 2018 in the amount of \$167,712.36 under invoice number 2018-DYY. Payment in the amount of \$167,712.36 was received and deposited on August 7, 2018.

There were no other significant items to report within the category of Other Income and Expenses for the month ending July 31, 2018.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
 None:

"CARRY OVER" FUNDING
 BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2017/18 period as of June 30, 2018 was closed, the amount of unfinished capital projects and related engineering costs was calculated and the "Carry Over" funding amount was added to the current FY 2018/19 budget. The Total "Carry Over" funding amount of \$4,728,140.07 was posted to the accounts as of July 1, 2018. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services (\$3,068,940.82 + \$1,594,653.00 + \$64,546.25 = \$4,728,140.07).

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) amount remaining of the "Carried Over" funding is \$4,712,661.54 (\$4,728,140.07 - \$15,478.53 = \$4,712,661.54).

The following details are provided:

"Carried Over" Expenses At June 30, 2018

			GL Account		
Blomquist Report - Update	\$ 7,500.00	A	6061.6	FY 2017/18	ADMIN
Grd Level - MWWD SCADA Reimbursement	\$ 57,046.25	B	7107.63	FY 2017/18	ADMIN
Ground Level - Engineering Services	\$ 24,822.00	C	7107.2 ²	FY 2017/18	ENG
Ground Level - Contract Services	\$ 20,727.00	D	7107.6 ³	FY 2017/18	ENG
PE4 - Northwest MZ-1 Area Project	\$ 1,530,279.00	E	7402.1 ⁴	FY 2017/18	ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$ 18,825.00	F	7510 ⁵	FY 2017/18	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	G	7209.1 ¹	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	H	7209.2 ¹	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$ 589,923.18	I	7690.15	FY 2016/17	PROJ
East Declaz Basin (TO #1)	\$ 1,171.33	J	7690.16 ¹	FY 2016/17	PROJ
Hickory Basin Recharge Improvement Project	\$ 3,877.00	K	7690.3 ¹	FY 2013/14	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 106,590.18	L	7690.4	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 1,126,900.00	L	7690.4	FY 2015/16	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 1,065,600.00	L	7690.4	FY 2016/17	PROJ
CB20 Turnout Noise Abatement Project	\$ 859.80	M	7690.5 ¹	FY 2013/14	PROJ
GWR SCADA Upgrades (TO #4)	\$ 36,615.05	N	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	N	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 15,062.88	O	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	O	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 5,287.54	P	7690.8	FY 2016/17	PROJ
Total Balance, June 30, 2017	\$ 4,728,140.07				

"Carried Over" Balance, July 1, 2018 \$ 4,728,140.07

Less: (Invoices Received To Date FY 2018/19)

Ground Level - Engineering Services	\$ (4,488.18)	C	7107.2 ²		
Ground Level - Contract Services	\$ (9,370.71)	D	7107.6 ³		
PE4 - Northwest MZ-1 Area Project	\$ (1,619.64)	E	7402.1 ⁴		
Updated Balance as of July 31, 2018	\$ 4,712,661.54				

¹ Project completed with funds available for (1) reallocation to another project, (2) paydown debt service, (3) maintain as extra funding, or (4) distribution to Appropriative Pool.

² Engineering work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

³ Outside professionals work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

⁴ Work not completed in FY 2017/18 for installation of the Pomona extensometer and monitoring program for the Northwest MZ-1 area

⁵ Watermaster's portion of the unused FY 2017/18 budget to finalize the 2.5 year project to Update Recycled Water Permit with IEUA.

ADMINISTRATION SERVICES:

Unspent funds related to ongoing projects and associated activities from the Administration Services budget from FY 2017/18 in several accounts totaling \$64,546.25 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Blomquist Report-Update [A] in the amount of \$7,500 in account (6061.6); and Ground Level – MWWD SCADA Reimbursement [B] in the amount of \$57,046.25 in account (7107.63).

ENGINEERING SERVICES:

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2017/18 in several accounts totaling \$1,594,653 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Ground Level - Engineering Services [C] in the amount of \$24,822 in account (7107.2); Ground Level - Contract Services [D] in the amount of \$20,727 in account (7107.6);

PE4 – Northwest MZ-1 Area Project [E] in the amount of \$1,530,279 in account (7402.1); and PE6&7-IEUA Salinity Management Plan [F] in the amount of \$18,825 in account (7510).

COMPLETED PROJECTS WITH FUNDING AVAILABLE:

Several projects were completed during FY 2017/18 or in prior years and have remaining funds available to be either (1) reallocated to other project(s) that need additional funding, (2) keep amounts on reserve for future Capital Improvement Projects, (3) pay down the debt service; or (4) refunded back to the Appropriative Pool when the Assessment package is invoiced. The funding amounts available are as follows: Jurupa Pumping Station [G] in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept [H] in the amount of \$35,397.53 (account 7209.2); East Declez Basin [J] in the amount of \$1,171.33 (account 7690.16); Hickory Basin Recharge Improvement Project [K] in the amount of \$3,877.00 (account 7690.3); and CB20 Turnout Noise Abatement Project [M] in the amount of \$859.80 (account 7690.5). The total amount available is \$79,286.99 (\$37,981.33 + \$35,397.53 + \$1,171.33 + \$3,877.00 + \$859.80 = \$79,286.99).

ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [I] has a remaining budget from FY 2016/17 of \$589,923.18 in account (7690.15); the San Sevaine Recharge Improvement Project-Task Order #8 [L] has a remaining funded budget balance of \$2,299,090.18 in account (7690.4); the GWR SCADA Upgrades-Task Order #4 [N] has a remaining funded budget balance of \$75,290.05 in account (7690.61); the Upper Santa Ana River HCP-Task Order #7 [O] has a remaining funded balance of \$20,062.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [P] has a remaining funded budget balance of \$5,287.54 in account (7690.8). The total funded budget for these combined projects is \$2,989,653.83.

As invoices are received from the vendors and booked against these items listed above, the "Carried Over" balance will be reduced throughout the current fiscal year. At July 31, 2019, any remaining balances of the FY 2018/19 and prior years funding (if any), along with any new FY 2018/19 expenses, will then be "Carried Over" into the FY 2019/20 budget.

AUDIT FIELD WORK

FY 2017/18:

The auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on April 17, 2018. This was the start of the interim field work for the period of July 1, 2017 through February 28, 2018. The final field work for the period of March 1, 2018 through June 30, 2018 was completed during August 7, 2018 through August 8, 2018. The Annual Financial and Audit Reports are scheduled to be presented to the Watermaster Board by Fedak & Brown LLP at the October 25, 2018 Board meeting. The Annual Financial and Audit Reports for FY 2017/18 are anticipated to be posted to the Watermaster website no later than October 31, 2018.

ASSESSMENT INVOICING

CURRENT MONTH – JULY 2018

To date, all assessment invoice payments have been received. No Assessment activity for the month to report.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None:

ATTACHMENTS

1. Financial Report - B5

	1/12th (8.33%) of the Total Budget				1/12th (8.34%) of the Total Budget				100% of the Total Budget			
	For The Month of July 2018				Year-To-Date as of July 31, 2018				Fiscal Year End as of June 30, 2019			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
Income												
4010 · Local Agency Subsidies	167,712.36	167,712.00	0.36	100.0%	167,712.36	167,712.00	0.36	100.0%	167,712.00	167,712.00	0.00	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	8,301,750.00	8,301,750.00	0.00	100.0%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	353,795.00	353,795.00	0.00	100.0%
4700 · Non Operating Revenues	10.42	0.00	10.42	100.0%	10.42	0.00	10.42	100.0%	63,968.00	63,968.00	0.00	100.0%
4900 · Miscellaneous Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Income	167,722.78	167,712.00	10.78	100.01%	167,722.78	167,712.00	10.78	100.01%	8,887,225.00	8,887,225.00	0.00	100.0%
Gross Profit	167,722.78	167,712.00	10.78	100.01%	167,722.78	167,712.00	10.78	100.01%	8,887,225.00	8,887,225.00	0.00	100.0%
Expense												
6010 · Admin. Salary/Benefit Costs	99,108.64	89,132.00	9,976.64	111.19%	99,108.64	89,132.00	9,976.64	111.19%	1,062,695.00	1,062,695.00	0.00	100.0%
6020 · Office Building Expense	8,352.68	8,784.00	-431.32	95.09%	8,352.68	8,784.00	-431.32	95.09%	112,399.00	112,399.00	0.00	100.0%
6030 · Office Supplies & Equip.	1,477.13	1,750.00	-272.87	84.41%	1,477.13	1,750.00	-272.87	84.41%	50,500.00	50,500.00	0.00	100.0%
6040 · Postage & Printing Costs	2,596.70	2,952.00	-355.30	87.96%	2,596.70	2,952.00	-355.30	87.96%	47,142.00	47,142.00	0.00	100.0%
6050 · Information Services	15,893.54	15,928.00	-34.46	99.78%	15,893.54	15,928.00	-34.46	99.78%	151,656.00	151,656.00	0.00	100.0%
6060 · Contract Services	1,979.30	11,100.00	-9,120.70	17.83%	1,979.30	11,100.00	-9,120.70	17.83%	45,125.00	45,125.00	0.00	100.0%
6070 · Watermaster Legal Services	59,467.91	13,002.00	46,465.91	457.38%	59,467.91	13,002.00	46,465.91	457.38%	156,015.00	156,015.00	0.00	100.0%
6080 · Insurance	26,116.48	28,815.00	-2,698.52	90.64%	26,116.48	28,815.00	-2,698.52	90.64%	30,315.00	30,315.00	0.00	100.0%
6110 · Dues and Subscriptions	14,132.50	14,848.00	-715.50	95.18%	14,132.50	14,848.00	-715.50	95.18%	34,590.00	34,590.00	0.00	100.0%
P43 6140 · WM Admin Expenses	184.12	200.00	-15.88	92.06%	184.12	200.00	-15.88	92.06%	2,350.00	2,350.00	0.00	100.0%
6150 · Field Supplies	21.29	50.00	-28.71	42.58%	21.29	50.00	-28.71	42.58%	1,550.00	1,550.00	0.00	100.0%
6170 · Travel & Transportation	1,841.73	1,875.00	-33.27	98.23%	1,841.73	1,875.00	-33.27	98.23%	24,170.00	24,170.00	0.00	100.0%
6190 · Training, Conferences, Seminars	3,145.24	4,324.00	-1,178.76	72.74%	3,145.24	4,324.00	-1,178.76	72.74%	37,857.00	37,857.00	0.00	100.0%
6200 · Advisory Comm - WM Board	4,665.88	4,159.00	506.88	112.19%	4,665.88	4,159.00	506.88	112.19%	47,539.00	47,539.00	0.00	100.0%
6300 · Watermaster Board Expenses	16,596.24	13,415.00	3,181.24	123.71%	16,596.24	13,415.00	3,181.24	123.71%	178,980.00	178,980.00	0.00	100.0%
8300 · Appr PI-WM & Pool Admin	13,223.09	11,968.00	1,255.09	110.49%	13,223.09	11,968.00	1,255.09	110.49%	140,552.00	140,552.00	0.00	100.0%
8400 · Agri Pool-WM & Pool Admin	3,818.43	5,418.00	-1,599.57	70.48%	3,818.43	5,418.00	-1,599.57	70.48%	62,054.00	62,054.00	0.00	100.0%
8467 · Ag Legal & Technical Services	35,400.00	17,084.00	18,316.00	207.21%	35,400.00	17,084.00	18,316.00	207.21%	205,000.00	205,000.00	0.00	100.0%
8470 · Ag Meeting Attend -Special	1,025.00	1,850.00	-825.00	55.41%	1,025.00	1,850.00	-825.00	55.41%	22,200.00	22,200.00	0.00	100.0%
8471 · Ag Pool Expense	14,018.00	15,000.00	-982.00	93.45%	14,018.00	15,000.00	-982.00	93.45%	85,000.00	85,000.00	0.00	100.0%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	400.00	400.00	0.00	100.0%
8500 · Non-Ag PI-WM & Pool Admin	15,327.85	9,387.00	5,940.85	163.29%	15,327.85	9,387.00	5,940.85	163.29%	109,837.00	109,837.00	0.00	100.0%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-19,418.14	-34,936.00	15,517.86	55.58%	-19,418.14	-34,936.00	15,517.86	55.58%	-419,223.00	-419,223.00	0.00	100.0%
6900 · Optimum Basin Mgmt Plan	103,952.50	185,743.00	-81,790.50	55.97%	103,952.50	185,743.00	-81,790.50	55.97%	2,152,735.00	2,152,735.00	0.00	100.0%
9501 · G&A Expenses Allocated-OBMP	2,267.47	10,048.00	-7,780.53	22.57%	2,267.47	10,048.00	-7,780.53	22.57%	120,532.00	120,532.00	0.00	100.0%
7101 · Production Monitoring	4,985.84	5,489.00	-503.16	90.83%	4,985.84	5,489.00	-503.16	90.83%	64,875.00	64,875.00	0.00	100.0%
7102 · In-line Meter Installation	0.00	31,693.00	-31,693.00	0.0%	0.00	31,693.00	-31,693.00	0.0%	380,107.00	380,107.00	0.00	100.0%
7103 · Grdwtr Quality Monitoring	23,823.34	30,355.00	-6,531.66	78.48%	23,823.34	30,355.00	-6,531.66	78.48%	324,329.00	324,329.00	0.00	100.0%
7104 · Gdwtr Level Monitoring	14,624.56	27,877.00	-13,252.44	52.46%	14,624.56	27,877.00	-13,252.44	52.46%	333,553.00	333,553.00	0.00	100.0%
7105 · Sur Wtr Qual Monitoring	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7106 · Wtr Level Sensors Installation	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7107 · Ground Level Monitoring	25,858.89	137,310.25	-111,451.36	18.83%	25,858.89	137,310.25	-111,451.36	18.83%	424,094.25	424,094.25	0.00	100.0%

	1/12th (8.33%) of the Total Budget				1/12th (8.34%) of the Total Budget				100% of the Total Budget			
	For The Month of July 2018				Year-To-Date as of July 31, 2018				Fiscal Year End as of June 30, 2019			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	1,634.00	10,329.00	-8,695.00	15.82%	1,634.00	10,329.00	-8,695.00	15.82%	120,704.00	120,704.00	0.00	100.0%
7109 · Recharge & Well Monitoring Prog	0.00	2,104.00	-2,104.00	0.0%	0.00	2,104.00	-2,104.00	0.0%	25,248.00	25,248.00	0.00	100.0%
7200 · PE2- Comp Recharge Pgm	299,209.61	380,364.86	-81,155.25	78.66%	299,209.61	380,364.86	-81,155.25	78.66%	1,407,815.86	1,407,815.86	0.00	100.0%
7300 · PE3&5-Water Supply/Desalte	1,474.40	2,772.00	-1,297.60	53.19%	1,474.40	2,772.00	-1,297.60	53.19%	32,934.00	32,934.00	0.00	100.0%
7400 · PE4- Mgmt Plan	27,625.56	1,555,336.00	-1,527,710.44	1.78%	27,625.56	1,555,336.00	-1,527,710.44	1.78%	1,830,746.00	1,830,746.00	0.00	100.0%
7500 · PE6&7-CoopEfforts/SaltMgmt	4,356.00	34,488.00	-30,132.00	12.63%	4,356.00	34,488.00	-30,132.00	12.63%	206,603.00	206,603.00	0.00	100.0%
7600 · PE8&9-StorageMgmt/Conj Use	50,304.39	51,837.00	-1,532.61	97.04%	50,304.39	51,837.00	-1,532.61	97.04%	127,048.00	127,048.00	0.00	100.0%
7690 · Recharge Improvement Debt Pymt	580,585.00	3,576,146.96	-2,995,561.96	16.24%	580,585.00	3,576,146.96	-2,995,561.96	16.24%	3,576,146.96	3,576,146.96	0.00	100.0%
7700 · Inactive Well Protection Prgm	0.00	42.00	-42.00	0.0%	0.00	42.00	-42.00	0.0%	500.00	500.00	0.00	100.0%
9502 · G&A Expenses Allocated-Projects	17,150.67	24,890.00	-7,739.33	68.91%	17,150.67	24,890.00	-7,739.33	68.91%	298,691.00	298,691.00	0.00	100.0%
Total Expense	1,476,825.84	6,302,930.07	-4,826,104.23	23.43%	1,476,825.84	6,302,930.07	-4,826,104.23	23.43%	13,615,365.07	13,615,365.07	0.00	100.0%
Net Ordinary Income	-1,309,103.06	-6,135,218.07	4,826,115.01	21.34%	-1,309,103.06	-6,135,218.07	4,826,115.01	21.34%	-4,728,140.07	-4,728,140.07	0.00	100.0%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4226 · LAIF Fair Market Value	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4600 · Groundwater Sales	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4715 · Gain on Sale of Assets	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Other Expense												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
5100 · Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9200 · Interest Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9251 · Other Post Employment Benefits	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9996 · Refund-Excess Reserves-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9997 · Refund-Excess Reserves-NonAg	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9998 · Refund-Recharge Debt-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Net Other Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Net Income	-1,309,103.06	-6,135,218.07	4,826,115.01	21.34%	-1,309,103.06	-6,135,218.07	4,826,115.01	21.34%	-4,728,140.07	-4,728,140.07	0.00	100.0%

P44

Note: Please see the staff report (Financial Report-B5) for additional detailed information on the account categories.

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

C. OBMP SEMI-ANNUAL STATUS REPORT 2018-1



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Semi-Annual Optimum Basin Management Program Status Report 2018-1
(Consent Calendar Item I.C.)

SUMMARY

Issue: Watermaster produces the Semi-Annual Optimum Basin Management Program (OBMP) Status Reports. The report for the period January to June 2018 has been drafted.

Recommendation: Adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Financial Impact: The costs of preparing the Semi-Annual OBMP Status Report and filing it with the Court are included in the Watermaster budget.

Future Consideration

Watermaster Board – September 27, 2018: Approval [Discretionary Function].

ACTIONS:

Appropriative Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and file with the Court

Non-Agricultural Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and file with the Court, subject to changes which they deem appropriate

Agricultural Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and file with the Court

Advisory Committee – September 20, 2018: Unanimously Recommended Watermaster Board to approve and file with the Court
Watermaster Board – September 27, 2018:

BACKGROUND

Semi-Annual OBMP Status Report 2018-1 covers the period from January to June 2018. The report describes work conducted, and the current status of the nine Program Elements of the Optimum Basin Management Program during the six-month period.

DISCUSSION

Semi-Annual OBMP Status Report 2018-1 has been drafted. Once adopted by the Board, the Semi-Annual OBMP Status Report will be filed with the Court.

The item was presented to the three Pools and a change was made on Page 6 substituting the word "Implemented...", to read "Prepared to implement..." The item was unanimously recommended to Advisory Committee for approval. The Advisory Committee at its September 2018 meeting unanimously recommended Board adoption.

ATTACHMENT

1. Semi-Annual Optimum Basin Management Program Status Report 2018-1

Optimum Basin Management Program

Staff Status Report 2018-1: January to June 2018



CHINO BASIN WATERMASTER

Optimum Basin Management Program

Highlighted Activities

- During this reporting period, Watermaster manually measured 400 water levels at about 70 private wells throughout the Chino Basin, conducted two quarterly download events at about 125 wells containing pressure transducers, collected 44 groundwater-quality samples from dedicated monitoring wells, and collected four surface-water quality samples.
- Pursuant to a monitoring and mitigation requirement of the Peace II Subsequent Environmental Impact Report, 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 this reporting period, Watermaster collected two quarters of groundwater-quality samples, and conducted two quarterly downloads of pressure transducers that measure water levels at the 18 PBHSP monitoring wells. The Prado Basin Habitat Sustainability Committee (PBHSC) prepared the second annual report: *Annual Report of the Prado Basin Habitat Sustainability Committee for Water Year 2017*.
- Pursuant to the *Chino Basin Subsidence Management Plan*, Watermaster continued to implement the Ground-Level Monitoring Program and began drafting the *2017 Annual Report of the Ground-Level Monitoring Committee*, which analyzes and interprets data from the monitoring program and recommends future monitoring and testing activities. Watermaster also executed the “proof of concept” to test the sonar water-level measuring technique for the Ground-Level Monitoring Program.
- Watermaster and the IEUA are continuing to implement the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2013 Court Order authorizing its implementation. During the reporting period, the IEUA selected contractors to install monitoring wells and construct the San Sevaine Basin improvements. Construction of the San Sevaine Basin Improvements began in September 2017 and is expected to be completed in September 2018. The 85 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects from the 2013 RMPU.
- During this reporting period, Watermaster and the IEUA recharged a total of 15,378 acre-feet of water: 4,043 acre-feet of stormwater, 5,689 acre-feet of recycled water, and 5,646 acre-feet of imported water.
- Watermaster staff continued to investigate and assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential storage and recovery plans. Watermaster updated its modeling tools and planning projections, and completed an assessment of material physical injury (MPI) for the use of Managed Storage. During this reporting period Watermaster evaluated the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet.

Important Court Hearings and Orders

- JANUARY 12, 2018—HEARING RE REQUEST FOR COURT TO AMEND THE ANNUAL REPORTING SCHEDULE FOR THE GROUND-LEVEL MONITORING COMMITTEE.
- JANUARY 12, 2018—ORDER RE REQUEST FOR COURT TO AMEND THE ANNUAL REPORTING SCHEDULE FOR THE GROUND-LEVEL MONITORING COMMITTEE.



Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

Fundamental to the implementation of each of the OBMP Program Elements are the monitoring and data collection efforts performed in accordance with Program Element 1, which includes 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

The basin-wide groundwater-level monitoring program initiated by Watermaster supports many of the Watermaster functions, such as the periodic reassessment of Safe Yield, the monitoring and management of ground-level movement, the analysis of desalter pumping impacts at private wells, the analysis of the implementation of the Peace II Agreement on groundwater levels and riparian vegetation in Prado Basin, the triennial re-computation 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-simulation groundwater-flow model, to understand groundwater flow directions, to compute storage changes, to support interpretations of water quality data, and to identify areas of the basin where recharge and discharge are not in balance.

The current groundwater-level monitoring program is comprised of about 1,100 wells. At about 900 of these wells, water 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 water level data at least semi-annually. At the remaining 200 wells, water levels are measured by Watermaster staff using manual methods once per month or by using pressure transducers that record data once every 15 minutes. These wells are mainly Agricultural Pool wells or dedicated monitoring wells located south of the 60 freeway.



Setting a Transducer to Record Water Level Data

All groundwater-level data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm. During this reporting period, Watermaster measured about 400 manual water levels at about 70 wells throughout the Chino Basin and conducted two quarterly downloads of 125 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 October 2017 to March 2018 period.

Groundwater Quality Monitoring

Watermaster initiated a comprehensive groundwater-quality monitoring program in which the obtained data may be used by Watermaster for: the biennial State of the Basin report; the triennial ambient water quality update; the demonstration of Hydraulic Control, monitoring nonpoint-source groundwater contamination and plumes associated with point-source discharges, 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 2017/18 are described below.

Chino Basin Data Collection (CBDC). Watermaster routinely and proactively collects groundwater-quality data from well owners, such as municipal producers and government agencies. Groundwater-quality data are also obtained from special studies and monitoring that takes place under orders of the Santa Ana Regional Water Quality Control Board (Regional Board)—such as for landfills and other groundwater quality investigations, the Department of Toxic Substances Control (DTSC), the US Geological Survey (USGS), and others. These data are collected from well owners and monitoring entities at least twice per year. Data is collected for about 840 wells as part of the CBDC program. During this reporting period, Watermaster compiled data collected for the CBDC program for the July to December 2017 period.

Watermaster Field Groundwater Quality Monitoring Programs. Watermaster continues to sample privately owned wells and its own monitoring wells on a routine basis as follows:

1. *Private Wells.* About 95 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. 8 wells near contaminant plumes are sampled on an annual basis, and the remaining 86 wells are sampled on a triennial basis.

Optimum Basin Management Program

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

2. *Watermaster Monitoring Wells.* Watermaster collects groundwater quality samples from a total of 21 multi-nested monitoring wells located throughout the Chino Basin. These nested wells include nine HCMP monitoring well 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 and MZ-3 wells are sampled annually, and the PBHSP wells are sampled quarterly.
3. *Other wells.* Watermaster collects quarterly samples from four near-river wells to characterize the interaction of the Santa Ana River and groundwater. These shallow monitoring wells along the Santa Ana River consist of two former USGS National Water Quality Assessment Program wells (Archibald 1 and Archibald 2) and two Santa Ana River Water Company wells (well 9 and well 11).

During this reporting period, Watermaster collected 44 groundwater-quality samples from 22 dedicated monitoring wells. All groundwater-quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm.

Groundwater Production Monitoring

As of the end of this reporting period, there were a total of 501 producing wells, 292 of which were for agricultural uses. Many active agricultural production wells are metered. Watermaster reads the meters on a quarterly basis and enters the production data into Watermaster's relational database, which can be accessed online through HydroDaVEsm.

Surface Water Monitoring in the Santa Ana River

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. Along with data collected at four wells near the Santa Ana River, these data are used to characterize the interaction between the Santa Ana River and nearby groundwater. During this reporting period, Watermaster collected four surface-water quality samples.



Reading a Meter on an Agricultural Well

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 OCWD, form a committee, the PBHSC, and 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, 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 annual reporting on the results of the monitoring program. The monitoring program includes an assessment of the riparian habitat and all 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 the reporting period, Watermaster performed the following tasks:

- Conducted the groundwater monitoring program, which included the quarterly collection of groundwater-level and groundwater-quality data from the PHBSP monitoring wells.
- Prepared a memorandum titled: *Recommended Scope and Budget of the Prado Basin Habitat Sustainability Program for Fiscal year 2018/19*. This memorandum was used by Watermaster and the IEUA to develop and approve their respective fiscal year 2018/19 budgets.

Optimum Basin Management Program

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

- Prepared the second annual report: *Annual Report of the Prado Basin Habitat Sustainability Committee for Water Year 2017*. The main conclusion of the annual report was that, at this time, there was no observed degradation of riparian habitat that was contemporaneous with the implementation of the Peace II Agreement.
- Conducted two meetings of the PBHSC:
 - On March 12, 2018 to present the Recommended Scope and Budget of the PBHSP for fiscal year 2018/19.
 - On May 9, 2018 to present the draft Annual Report of the PBHSC for water year 2017.

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 Regional Board Order No. R8-2007-0039 and Monitoring and Reporting Program No. R8-2007-0039.

Watermaster and the IEUA measure the quantity of storm and supplemental water that enters recharge basins using pressure transducers or staff gauges. Staff also collect weekly water quality samples from recharge basins actively recharging recycled water and from lysimeters installed within those recharge basins. Imported water quality data for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC) and recycled water quality data for RP-1 and RP-4 treatment plant effluents are obtained from the IEUA. Combining measured flow data with respective water quality data enables the calculation of the blended water quality of the recharge sources in each recharge basin and the assessment of adequate dilution of recycled water, as required by the recycled water recharge permits held with the Department of Drinking Water (DDW). The recharge measurements are also used to estimate the New Yield to the Chino Basin due to recharge activities.

Monitoring Activities. During this reporting period, the IEUA performed its ongoing monitoring program to measure and record recharge volumes and to collect stormwater quality samples pursuant to its permit requirements. Also, during this reporting period, approximately 84 recharge basin and lysimeter samples were collected for water quality analysis, and 28 recycled water samples were collected for alternative water quality monitoring plans, including the application of a correction factor for soil-aquifer treatment, determined from each recharge basin's startup period. Monitoring wells located downgradient of the recharge basins were sampled, at a minimum, on a quarterly basis; that said, some monitoring wells were sampled more frequently during the reporting period for a total of 126 samples.



San Sevaine 5 Basin

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

- 4Q-2017 Quarterly Report, submitted to the RWQCB – February 2018
- 1Q-2018 Quarterly Report, submitted to the RWQCB – May 2018
- 2017 Annual Report, submitted to the RWQCB – May 2018

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 the 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.

Optimum Basin Management Program

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

- 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 within the MZ-1 Managed Area (Well 16).

Since the initial MZ-1 Plan was adopted in 2007, Watermaster has conducted the annual Ground-Level Monitoring Program (GLMP). The main results of the GLMP are: very little permanent land subsidence has occurred in the MZ-1 Managed Area, indicating that subsidence is being successfully managed in this area, and land subsidence has been occurring in the Northwest MZ-1 Area. One concern is that 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 the Northwest MZ-1 Area* with the long-term objective of minimizing or abating the occurrence of the differential land subsidence. Thus, Watermaster expanded the GLMP into the Northwest MZ-1 Area and prepared an updated *Chino Basin Subsidence Management Plan (SMP)*, which included the *Work Plan to Develop a Subsidence-Management Plan for the Northwest MZ-1 Area (Work Plan)* as an appendix.

During this reporting period, Watermaster undertook the following SMP activities:

- Continued high-resolution water-level monitoring at wells within the Managed Area and within the Areas of Subsidence Concern. All monitoring equipment is inspected at least quarterly and is 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 SMP.
- Performed monthly routine maintenance, data collection, and verification at the Ayala Park and Chino Creek extensometer facilities.
- Performed the ground level surveys for the benchmark network in the Managed Area and Areas of Subsidence Concern: Southeast, Northeast, Northwest Areas, and the San Jose Fault Zone.
- Continued implementation of the Work Plan:
 - Collected, processed, and checked groundwater-level data and production data from wells in the Northwest MZ-1 Study Area on monthly basis.
 - Continued to coordinate SCADA integration with MVWD to install water-level monitoring devices, connect the devices to MVWD's SCADA system, and execute the "proof of concept" to test the sonar water-level measuring technique in MVWD well 33.
 - Executed the "proof of concept" to test the sonar water-level measuring technique in City of Pomona well 27 (P-27). The sonar method was unsuccessful in well P-27. Subsequent correspondence and an in-person meeting was conducted with the City of Pomona staff to identify inactive and active production wells that can be safely equipped with pressure transducers in-lieu of using sonar.

Optimum Basin Management Program

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

- Corresponded and conducted an in-person meeting with City of Pomona and Tom Dodson & Associates staff to discuss ensuring CEQA compliance for the Pomona Extensometer facility's two dual-nested piezometers.
- Conducted bi-weekly to weekly conference calls with City of Pomona to discuss the technical specifications, permitting, right of entry, and the bidding package for the Pomona Extensometer facility's two dual-nested piezometers.
- Prepared to implement the Long-Term Pumping Test, described in the SMP, to test and refine the Guidance Level for the Managed Area. The test requires the City of Chino Hills to pump wells CH-15B and CH-17 such that they cause water levels at PA-7 to decline below the Guidance Level. The recovery phase of the test includes groundwater injection cycles at City of Chino Hills well CH-16. The groundwater production data, as of July, from the City of Chino Hills wells CH-15B, CH-16, and CH-17 is only available through the end of fiscal year 2017/18's third quarter. Based on the available data, these wells were not operational between January 1, 2018 and June 30, 2018.

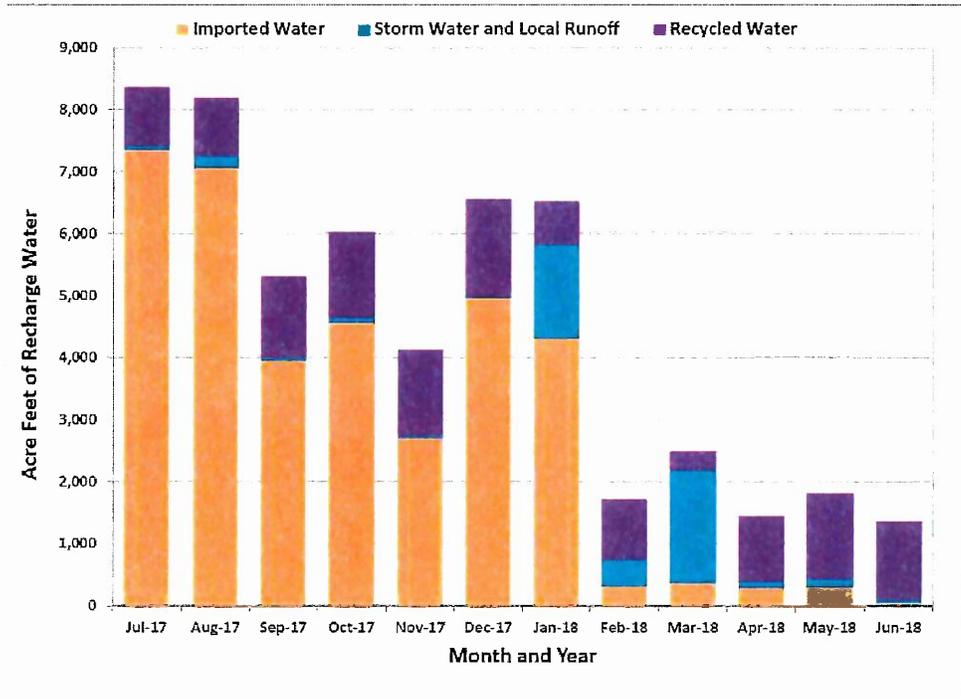
Program Element 2: Develop and Implement a Comprehensive Recharge Program

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; to ensure a balance of recharge and discharge in the Chino Basin management zones; and to ensure 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 PE2 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 eighteen 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 ranges is about 70,200 acre-feet per year, and the in-lieu supplemental water recharge capacity ranges from 17,700 to 49,900 acre-feet per year. In addition to the CBFIP facilities, the Monte Vista Water District has five ASR wells with a demonstrated well injection capacity of 5,500 acre-feet per year. The current total supplemental water recharge capacity ranges from 93,380 to 116,580 acre-feet per year, which is greater than the projected supplemental water recharge capacity required by Watermaster.

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



¹The 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.

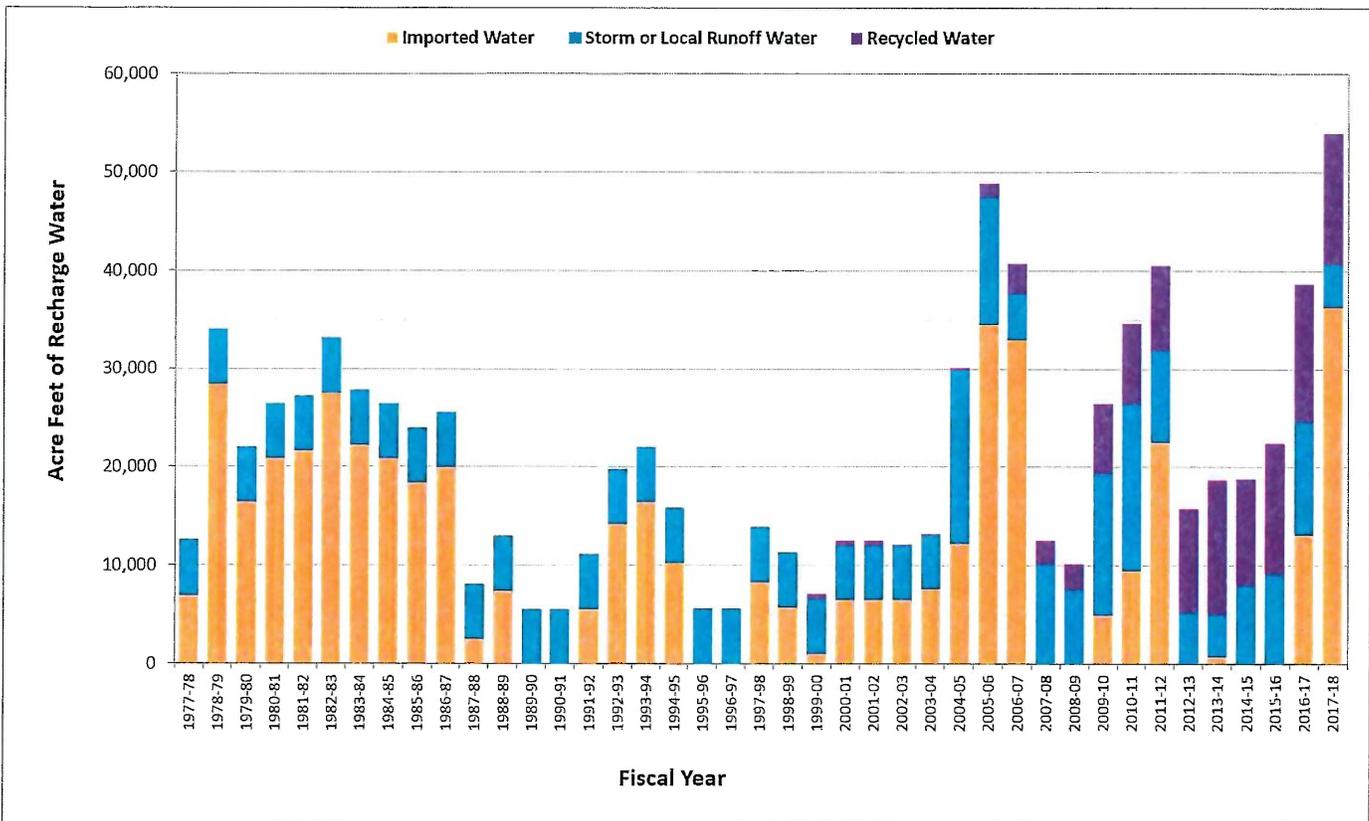
Optimum Basin Management Program

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

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.



During this reporting period, Watermaster staff began drafting the 2018 Recharge Master Plan Update (2018 RMPU), which is due to the Court by October 2018.

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. During the reporting period, the IEUA selected contractors to install monitoring wells and construct the San Sevaine Basin improvements. Construction of the San Sevaine Basin Improvements began in September 2017 and is expected to be completed in September 2018. In June 2017, a design consultant was chosen to design five of the chosen 2013 RMPU projects: CSI Basin, Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin. Watermaster stakeholders chose to defer the CSI Basin project and the remaining 2013 RMPU projects for consideration in a future RMPU. During this reporting period, the 85 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects.

Optimum Basin Management Program

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

Additionally, Watermaster and the IEUA continued to develop a series 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. Watermaster's share of the cost of these projects was included in the budget adopted by Watermaster for fiscal year 2017/18.

The Recharge Improvements Project Committee met monthly 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 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 DDW. Based on the latest Annual Report (May 2017), the IEUA projects that dilution requirements will be met through 2028 even if no imported water is available for dilution.

Recharge Activities. During this reporting period, ongoing recycled water recharge occurred in the Brooks, 7th Street, 8th Street, Turner, Ely, RP-3, Decluz, Victoria, Hickory, and Banana Basins; stormwater was recharged at 18 recharge basins across all management zones of the Chino Basin; and imported water was recharged in 17 recharge basins, primarily in MZ-1. Watermaster and the IEUA recharged a total of 15,378 acre-feet of water: 4,043 acre-feet of stormwater, 5,689 acre-feet of recycled water, and 5,646 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 June 30, 2018 was approximately 88,711 acre-feet, which is about 17,211 acre-feet more than the 71,500 acre-feet required by that date (annual requirement of 6,500 acre-feet). The amount of supplemental water recharged into MZ-1 during the reporting period was approximately 3,902 acre-feet.

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 the development of a way to replace the decline in groundwater production to prevent significant amounts of degraded groundwater from discharging to the Santa Ana River and violating the Basin Plan. Replacing the decline in agricultural groundwater production will 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 that are designed to replace the decline in production of the agricultural groundwater producers and to 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. As currently configured, the Chino I Desalter produces about 13,500 acre-feet of groundwater per year (12.1 million gallons per day [MGD]) at 15 wells (I-1 through I-15). This water is treated through air stripping (volatile organic compound [VOC] removal), ion exchange (nitrate removal), and/or reverse osmosis (for nitrate and TDS removal). The Chino II Desalter produces about 15,800 acre-feet of groundwater per



Trenching for a Pipeline at San Seavaine Basin

Optimum Basin Management Program

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 (Continued)

year (14.1 MGD) at eight wells (II-1 through II-4 and II-6 through II-9). This water is treated through ion exchange and/or reverse osmosis. Development and planning continues between the CDA and Watermaster to expand the production and treatment capacity of the Chino Desalters by about 10,500 acre-feet per year (9.5 MGD). More than \$77 million in grant funds have been secured toward this expansion.

The most recently completed expansion project included the construction of five wells for the new Chino Creek Well Field (CCWF): wells I-16, I-17, I-18, I-20, and I-21. These wells were constructed to meet the Hydraulic Control commitment associated with the maximum benefit (see the Program Element 7 update in this status report) and provide additional raw water to the Chino I Desalter. Production began at wells I-16 and I-17 in mid-2014 and at wells I-20 and I-21 in early 2016. Well I-18 is not planned for operation by the CDA due to high concentrations of VOCs.

The current expansion project will add three additional desalter wells. Wells II-10, II-11, and II-12 will provide additional raw water to the Chino II Desalter and are required to meet the maximum-benefit commitment to produce a total of 40,000 acre-feet per year from the combined desalter well fields. These wells will also be 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 construction of wells II-10 and II-11 was completed in late-2015, equipping of the wells will be completed in July 2018, and production at the wells will commence soon after.

Property acquisition for well II-12 is anticipated to be completed by December 2018. Construction is expected to begin in mid-2019 and completed by 2020. The completion of a dedicated pipeline to convey groundwater from well II-12 along with wells II-10, II-11, and the existing I-11 is on hold until the land acquisition process is complete. The overall project is anticipated to be operational by early 2020 .

During this reporting period, the CDA continued with the equipping of wells II-10 and II-11 and the land acquisition process for Well II-12.

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. 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 listing 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 (GLMP) called for by the MZ-1 Plan (refer to the update in this report under Program Element 1).

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 (SMP)* and a *Work Plan to Develop the Subsidence Management Plan for the Northwest MZ-1 Area (Work Plan)* as an appendix. The SMP and the Work Plan were adopted through the Watermaster Pool process during July 2015.

Optimum Basin Management Program

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

The data, analysis, and reports generated through the implementation of the MZ-1 Plan, SMP, and Work Plan are reviewed and discussed by the Ground-Level Monitoring Committee (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:

- Prepared figures and tables for the *2017/18 Annual Report of the Ground-Level Monitoring Committee* report.
- For the *Work Plan to Develop a Subsidence Management Plan for the Northwest MZ-1 Area*:
 - Finalized the Detailed Technical Specifications for the Drilling and Construction of Two Dual-Nested Piezometers for the Pomona Extensometer Facility for the Pomona Extensometer Piezometers Construction Bid Package. The bid package was prepared by IEUA.
- Conducted one GLMC meeting on March 1, 2018 to review and discuss the Ground-Level Monitoring Program activities for fiscal year 2017/18 and the recommended scope and budget of the Ground-Level Monitoring Committee for fiscal year 2018/19.

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 that occur 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 are being adequately addressed, including the various contaminant plumes in the Chino Basin. With the Regional 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 Regional Board prepared draft Cleanup and Abatement Orders (CAOs) for six parties who were tenants on the Ontario Airport with regard to the South Archibald TCE Plume. 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 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, Regional Board staff 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 to be a potential source. The Regional 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 Regional Board jointly to the City of Ontario, City of Upland, and the 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 require 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 Regional 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 Regional Board’s oversight, the ABGL Parties and/or the RP-1 Parties conducted sampling at private residential wells and taps approximately every two years (2007-2008, 2009, 2011, 2013-2014) 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 since 2007. Alternative water systems (tanks) have been installed at residences in the area where well water contains TCE at or above 80% of the MCL for TCE. Residents who declined tank systems are being provided bottled water. Watermaster also routinely samples for water quality at private wells in the area and uses data obtained from this monitoring to delineate the spatial extent of the plume. The most

Optimum Basin Management 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 (Continued)

recent characterization of the plume completed by Watermaster was in June 2017 for the 2016 *State of the Basin* Report. During this reporting period Watermaster prepared a semi-annual status report on the South Archibald plume for Watermaster Parties in February.

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 evaluates alternatives to accomplish these objectives. In August 2015, a Draft Remedial Action Plan (RAP) was concurrently prepared by the RP-1 Parties to present the preferred plume remediation and domestic water supply alternatives. A public review period followed along with two community meetings to educate the public about the plume, the Feasibility Study, and the RAP, and to solicit comments on these reports. In November 2015, a revised Draft Feasibility Study, RAP, and Responses to Comments were completed to address input from the public, the ABGL, and others. In September 2016, the Regional 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 RAP. 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 existing and proposed 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 to remediate the South Archibald Plume. The proposed project includes the operation of three new CDA desalter wells (II-10, II-11, and II-12) and a dedicated pipeline to convey produced groundwater from the three new wells and existing CDA well I-11 to the Desalter II treatment facility. As noted previously in this status report, the CDA has completed construction of two of the three wells, which will be operational during the next reporting period for the second half of 2018. The RP-1 Parties and the CDA have faced ongoing complications in their efforts to acquire the property for the third well, which is affecting the advancement of the remaining project. During this reporting period the RP-1 Parties petitioned the Regional Board for extension of imposed project deadlines in the Final CAO R8-2016-0016. The requested deadline extensions include: well II-12 design report completed by September 2019 construction completed by July 2020; dedicated pipeline design report for the remaining portion of the pipeline submitted by December 2018 and construction completed by April 2020; and the decarbonator modification design report submitted by July 2019 and construction completed by February 2020.

The domestic water supply alternative for those 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 installation of a temporary pipeline to connect some residences to the City of Ontario potable water system. 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 Regional Board to outline the approach to provide water tank systems or connection to the City of Ontario municipal water supply system for affected residences currently receiving bottled water.

In December 2017, the Cities of Ontario and Upland submitted an Annual Groundwater Monitoring Report to the Regional Board summarizing monitoring conducted between September and November 2017. 42 samples were collected from 41 residential or agricultural locations located within or downgradient of the plume. Based on the results of this sampling event, no additional affected residences were identified for participation in the alternative water supply program. Currently, 37 residences are supplied water by tank systems. Multiple residences remain on bottled water supply and will be re-evaluated for the need for an alternative water supply offer in the next sampling event scheduled for Fall 2018.

Chino Airport Plume

In 1990, the Regional Board issued CAO No. 90-134 to the County of San Bernardino, Department of Airports (County) to address groundwater contamination originating from the 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 Regional 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 2012, Tetra Tech, the consultant to the County, conducted several off-site plume characterization studies to delineate the areal and vertical extent of the plume and constructed 33 offsite monitoring wells. From 2013 to early-2015, Tetra Tech conducted an extensive investigation of several areas identified for additional characterization of soil and groundwater contamination; and at the conclusion of the work, they constructed

Optimum Basin Management 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 (Continued)

an additional 33 groundwater monitoring wells on and adjacent to the Airport property. 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 Regional Board issued CAO R8-2017-0011, which requires the County to prepare a Final Feasibility Study that incorporates comments from the Regional Board and to prepare, submit, and implement a Remedial Action Plan. The County submitted a Final Feasibility Study for the Chino Airport on June 6, 2017, and it was approved by the Regional Board on June 7, 2017. The recommended remediation alternative is a groundwater pump-and-treat system to provide hydraulic containment and treatment of both the West Plume and the East Plume originating from the Chino Airport. The system consists of ten extraction wells that combined will produce approximately 900 gallons per minute of groundwater for onsite treatment using carbon adsorption. Included among the 10 wells is CDA well I-18, which is no longer planned for use by the CDA. Once treated, the preferred option is to discharge the treated groundwater to the CDA's Chino-I Desalter influent pipeline via a newly constructed pipeline. If this discharge option is not available at the time the system is constructed, the alternative options are to discharge the treated groundwater to either the local surface-water channels or wastewater treatment plants or to inject the treated groundwater back into the basin with six injection wells at the northeast corner of the Chino Airport.

On December 18, 2017 the County submitted the *Draft Interim Remedial Action Plan* for public review and comment. During this reporting period the County held a public workshop to receive public comments and answer questions on the proposed remediation alternative in January 2018. The public review period ended on February 18, 2018. In March 2018 the County published a *Chino Airport Community Involvement Plan* that describes the County's objectives, roles, and responsibilities for remediation, and the methods for public outreach. In April 2018 the following CEQA documents for the proposed Chino Airport remediation alternative were published: *Notice of Availability/Notice of Intent to Adopt a Mitigated Negative Declaration Chino Airport Groundwater Contamination Remedial Action Plan* and the *Initial Study Environmental Checklist Form*. The public review period for these documents ended on May 10, 2018.

The County conducts quarterly and/or annual monitoring events at all 75 of their monitoring wells constructed to date. The conclusions from this monitoring program can be found in reports posted on the Regional Board's GeoTracker website. Watermaster also routinely 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 plume. The most recent characterization of the plume completed by Watermaster was in June 2017 for the *2016 State of the Basin Report*. During this reporting period Watermaster prepared a semi-annual status report on the Chino Airport plume for Watermaster Parties in February. The County submitted to the Regional Board the *Semiannual Groundwater Monitoring Report Summer and Fall 2017 Chino Airport Groundwater Assessment, San Bernardino County, California*.

Other Water Quality Issues

Watermaster continues to track 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. In June 2017 Watermaster prepared updated delineations of the extent of the VOC plumes for GE Test Cell, GE Flatiron, Milliken Landfill, and the so-called Pomona VOC plume as part of the *2016 Chino Basin State of the Basin Report* published on June 30, 2017. In the next reporting period Watermaster will prepare the annual status reports for the GE Test Cell, GE Flatiron, Milliken Landfill, Chino Institution for Men, and Stringfellow plume, and the former Kaiser Steel Mill site.

Program Element 7: Develop and Implement a Salt Management Program

Maximum Benefit Salinity Management Plan

In January 2004, the Regional Board amended the Basin Plan to incorporate an updated total dissolved solids (TDS) and nitrogen (N) management plan. The Basin Plan amendment includes both "antidegradation" and "maximum benefit" objectives for TDS and nitrate-N for the Chino-North and Cucamonga groundwater management zones (GMZs). The maximum benefit objectives allow for the reuse and recharge of recycled water and the recharge of imported water without mitigation; these activities are an integral part of the OBMP. The application of the maximum-benefit objectives is contingent on Watermaster and the IEUA's implementation of specific projects and requirements termed the maximum-benefit commitments. There are a total of nine commitments, and Watermaster and the IEUA report the status of compliance with each commitment to the Regional Board annually in April. During this

Optimum Basin Management Program

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

reporting period, Watermaster prepared and submitted the *2017 Chino Basin Maximum Benefit Annual Report*. Specific details of the commitments and related activities are described below.

Monitoring Programs. Two of the maximum-benefit commitments are to implement surface and groundwater monitoring programs. On April 15, 2005, the Regional Board adopted resolution R8-2005-0064, approving Watermaster and the IEUA's surface and groundwater monitoring programs. These monitoring programs were conducted pursuant to the 2005 work plan until 2012, when the Basin Plan was amended to remove all references to the specific monitoring locations and sampling frequencies required for groundwater and surface water monitoring. The Basin Plan amendment allows for the monitoring programs to be modified over time on a go-forward basis, subject to the approval of the Executive Officer of the Regional Board. The Basin Plan amendment was approved by the Regional Board on February 12, 2012 and by the State Office of Administrative Law on December 6, 2012. This amendment was adopted based on demonstrations made by Watermaster and the IEUA, showing that the surface water monitoring program, as explicitly described in the Basin Plan, was not meaningfully adding to the body of evidence required to demonstrate Hydraulic Control. In the place of specific monitoring requirements, the Basin Plan required that Watermaster and the IEUA submit a new surface water monitoring program work plan by February 25, 2012 and a new groundwater monitoring program work plan by December 31, 2013. In February 2012, Watermaster and the IEUA submitted, and the Regional Board approved, a new surface water monitoring program that reduced the 2005 monitoring program from bi-weekly surface water quality measurements at 17 sites and direct discharge measurements at six sites to quarterly surface water quality sampling at two sites.

In December 2013, Watermaster and the IEUA submitted an updated *Maximum Benefit Monitoring Program Work Plan and Proposed Schedule for Achieving Hydraulic Control* to the Regional Board. The updated Work Plan states that Watermaster and the IEUA will recalibrate the Chino Basin groundwater model every five years and use the model to estimate groundwater discharge from the Chino-North GMZ to the Santa Ana River (i.e. annual underflow past the CCWF) and determine whether Hydraulic Control has been achieved. The new *Maximum Benefit Monitoring Program Work Plan* was adopted by the Regional Board in April 2014. Maximum benefit monitoring 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 implementing the monitoring programs (see Program Element 1 of this report for details).

Hydraulic Control and Chino Desalters. One of the main maximum-benefit commitments is to achieve and maintain "Hydraulic Control" of the Chino Basin through operation of the Chino Basin Desalters to protect downstream beneficial uses of the Santa Ana River. The Chino Basin Desalters are required to replace the diminishing agricultural production that previously prevented the outflow of high TDS and nitrate groundwater. Hydraulic Control is defined by the Basin Plan as the elimination of groundwater discharge from the Chino-North GMZ to the Santa Ana River or its reduction to a de minimus level. In October 2011, the Regional Board indicated that groundwater discharge from the Chino-North GMZ to the Prado Basin surface water management zone (Prado Basin) in an amount less than 1,000 acre-feet per year is considered de minimus. Watermaster and the IEUA have demonstrated, in Annual Reports to the Regional Board, that complete Hydraulic Control has been achieved at and east of Chino-I Desalter Well 5. The construction and operation of the CCWF (see Program Element 5), which began in 2010, is intended to achieve Hydraulic Control in the area west of Chino-I Desalter Well 5. In February 2016, the CCWF commenced full-scale operation with production at wells I-16, I-17, I-20, and I-21. The CCWF wells produced a total of about 1,665 acre-feet in 2016, which is more than the model-estimated production needed to achieve Hydraulic Control to the de minimus standard west of Chino-I Desalter Well 5. With this accomplishment, Watermaster has achieved full Hydraulic Control of the Chino Basin.



Santa Ana River

Optimum Basin Management Program

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

Although full Hydraulic Control has been achieved, 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 Regional Board required that by May 31, 2014, 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 the three new desalter wells. These wells are under construction. During this reporting period, Watermaster coordinated with the CDA to track the progress of construction of the desalter expansion facilities. A full status report on the desalter expansion facilities is described in this status report under Program Element 3.

Recycled Water Recharge. The maximum benefit commitments require Watermaster and the IEUA to construct and operate expanded facilities for the recharge of storm and recycled waters and to report on the quality of the individual and combined sources of water used for recharge. Commitment number 7 requires that the use of recycled water for artificial recharge be limited 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 no more than the maximum-benefit objectives (420 mg/L for TDS and 5 mg/L for nitrate-nitrogen). This data is compiled and analyzed each year for reporting to the Regional Board. During this reporting period, Watermaster and the IEUA continued their monitoring programs to collect the data required for analysis and reporting to the Regional Board.

Recycled Water Quality. Commitment number 6 requires that recycled water quality be managed to ensure that the agency-wide, 12-month running average wastewater effluent quality does not exceed 550 mg/L and 8 mg/L for TDS and total inorganic nitrogen (TIN), respectively. Watermaster and the IEUA must submit a plan and schedule to the Regional Board for the implementation of measures to ensure long-term compliances with these limits when either the 12-month running-average IEUA agency-wide effluent TDS concentration exceeds 545 mg/L for three consecutive months, or the TIN concentration exceeds 8 mg/L in any one month. During 2015, a historical-high 12-month running-average IEUA agency-wide effluent TDS concentration of 534 mg/L was calculated for three consecutive months: June, July and August. This 12-month running-average IEUA agency-wide effluent TDS concentration of 534 mg/L was only 11 mg/L below the trigger. In Winter 2015, the increasing trend reversed, and by December 2016, the 12-month running-average IEUA agency-wide effluent TDS concentration decreased to 504 mg/L. 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 the 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. For this reason, in October 2016, Watermaster and the IEUA petitioned the Regional Board to consider modifying the TDS compliance metric for recycled water to a longer-term averaging period. The Regional Board agreed that an evaluation of the compliance metric is warranted and directed Watermaster and the IEUA to develop a technical scope of work to support the adoption of a longer-term averaging period. The proposed technical scope of work to support a Basin Plan amendment to revise the recycled water compliance metric was submitted to the Regional Board for approval in May 2017, and after approval the work began in September 2017. During this reporting period, Watermaster and the IEUA continued implementing the scope of work, which included building a numerical fate-and-transport model to simulate future changes in TDS and nitrate concentrations in the Chino Basin under alternative salinity management plans. The technical work is scheduled to be completed in April 2019. The Basin Plan amendment is scheduled to be completed by December 2019.

Ambient Water Quality. Commitment number 9 requires that Watermaster and the IEUA recompute ambient TDS and nitrate concentrations for the Chino Basin and Cucamonga GMZs every three years. The recomputation 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 Basin Monitoring Program Task Force. Watermaster and the IEUA have participated in each triennial, watershed-wide ambient water quality determination as members of the Task Force. The most recent recomputation, covering the 20-year period from 1993 to 2015, was completed in September 2017.

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.

Optimum Basin Management Program

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

The existing Watermaster/IEUA/MWDSC/Three Valleys Municipal Water District Dry-Year Yield (DYY) program continues to be implemented. 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. During the reporting period 5,586 acre-feet of water was recharged 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 in 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 year 2010/11 and every ten years thereafter, Watermaster is to recalculate the Safe Yield. The 2011 Safe Yield recalculation was to be based in part on the information obtained in the prior ten-year period.

In 2011, Watermaster authorized its staff to compile the necessary data and update the model of the basin and to recalculate the Safe Yield. The model calibration was completed in 2012, and the evaluation of Safe Yield began in 2013. During fiscal year 2014/15, the Watermaster Parties, pursuant to the Watermaster Board’s direction, met intensively in a facilitated process, resulting in a majority consensus regarding the implementation of the recalculated Safe Yield, and drafted the 2015 Safe Yield Reset Agreement. At its September 24, 2015 meeting, the Board adopted Resolution 2015-06, endorsing the 2015 Safe Yield Reset Agreement, and directed Watermaster legal counsel to file the Agreement with the Court. Resolution 2015-06 was adopted by a majority vote with two of the nine Board members opposing the action. The agreement was filed with the Court on October 23, 2015 with a motion recommending that the Court reset the Safe Yield of the Chino Basin to 135,000 acre-feet per year. The hearing on this motion was originally scheduled for December 18, 2015. The Court continued the hearing and conducted it on September 23, 2016; the Court heard oral arguments from various parties and Watermaster legal counsel, requested further briefing from the interested parties, and scheduled a hearing in early 2017. On April 28, 2017, the Court issued a final order, resetting the Safe Yield to 135,000 acre-feet per year. By late June 2017, some parties had filed notices of appeal to the Court’s order. During the reporting period the parties have continued to work together to resolve their legal challenges in adapting to the change in Safe Yield.

Groundwater Storage Management

Addendum to PEIR. The OBMP storage management plan was temporarily revised in March 2017. The original OBMP storage management program consists of managing groundwater production, replenishment, recharge, and storage such that the total storage within the basin would range from a low of 5,300,000 acre-feet to a high of 5,800,000 acre-feet. The following storage-related definitions are included in the OBMP Implementation Plan:

- **Operational Storage Requirement** – The Operational Storage Requirement is the storage or volume in the Chino Basin that is necessary to maintain the Safe Yield. [Author’s note: 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.]
- **Safe Storage** – Safe Storage is an estimate of the maximum storage in the basin that will not cause significant water-quality and high-groundwater related problems. [Author’s note: Safe storage was estimated in the development of the OBMP to be about 5.8 million acre-feet.]
- **Safe Storage Capacity** – Safe Storage Capacity is the difference between the Safe Storage and the Operational Storage Requirement. The allocation and use of storage space in excess of the Safe Storage Capacity will preemptively require mitigation; mitigation must be defined, and resources committed to mitigation prior to allocation and use.

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

Subsequent to the OBMP PEIR, Watermaster and the parties developed revisions to 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

Optimum Basin Management Program

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

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 5,935,000 acre-feet.

The Peace II Agreement was negotiated by the parties to implement, among other things, the expansion of the desalters, the dedication of 400,000 acre-feet of groundwater in storage to desalter replenishment, and changes in the Judgment to implement the Peace II Agreement. However, there was no change to the storage management plan in the OBMP Implementation Plan even though the revised storage estimated for 2000 was greater than the Safe Storage and the implementation of the Peace II Agreement would result in 400,000 acre-feet of new controlled overdraft. The IEUA completed and subsequently adopted a supplemental environmental impact report (SEIR) for the Peace II Agreement in 2010.

There is a significant difference in what is known today regarding storage management and basin conditions compared to what was known in 2000 when the OBMP storage management plan was developed and evaluated in the PEIR. Watermaster and the IEUA proposed a temporary change in the Safe Storage Capacity, increasing it from 500,000 acre-feet to 600,000 acre-feet for the period July 1, 2017 through June 30, 2021. This temporary increase in Safe Storage Capacity was found to not cause MPI and/or loss of Hydraulic Control, and it will provide Watermaster and the IEUA time to develop a new storage management plan and agreements to implement it. The IEUA adopted an addendum to the 2000 PEIR, increasing the Safe Storage Capacity from 500,000 acre-feet to 600,000 acre-feet for the period July 1, 2017 through June 30, 2021. The addendum was approved by the IEUA Board of Directors on March 15, 2017.

Storage Framework Investigation. Watermaster staff, at the direction of the Watermaster Board, began an investigation to assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential storage and recovery plans. In the prior reporting period, Watermaster updated its modeling tools and planning projections, and subsequently completed an assessment of potential MPI for the parties use of Managed Storage. In that work, it was determined that the Watermaster Parties' water use/pumping projections showed that the Managed Storage would likely use up to 700,000 acre-feet of storage space for Managed Storage and the use of that storage space would not result in MPI through 2050. In the current reporting period, Watermaster evaluated the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet. The results of this assessment were presented in three workshops in January, March and May. In the next reporting period Watermaster will prepare draft and final reports to document this work and conduct a final workshop.



CHINO BASIN WATERMASTER

I. CONSENT CALENDAR **D. WATER TRANSACTIONS**



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Summary and Analysis of Application for Water Transaction (Consent Calendar Item I.D.)

SUMMARY

Issue: Notice of Sale or Transfer – The purchase of 500,000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District's Excess Carryover Account.

Recommendation: Approve the proposed transaction.

Financial Impact: None

Future Consideration

Watermaster Board – September 27, 2018: Approval (within Watermaster Powers and Duties).

ACTIONS:

Appropriative Pool – August 9, 2018: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

Non-Agricultural Pool – August 9, 2018: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve, subject to changes which they deem appropriate.

Agricultural Pool – August 9, 2018: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

Advisory Committee – September 20, 2018: Unanimously recommended to the Watermaster Board to approve.

Watermaster Board – September 27, 2018:

BACKGROUND

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge, or transfer water, as well as for applications for credits or reimbursements, and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The date of this application is July 11, 2018. Notice of the transaction was transmitted electronically and mailed on August 3, 2018, along with the materials submitted by the requestors.

DISCUSSION

Beyond confirmation of the source of the water to be transferred (Supplemental Water or Excess Carryover), Watermaster will evaluate the eventual disposition of the transferred water (e.g. production, storage, etc.) at the end of the production year and account for the same consistent with the Watermaster Guidance Documents.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

All three Pool Committees unanimously recommended Advisory Committee approval at their August 9, 2018 meetings. The Advisory Committee unanimously approved the transaction at its September 20, 2018 meeting.

ATTACHMENTS

1. Consolidated Forms 3, 4 & 5
2. Notice Forms

Consolidated Forms 3, 4 & 5

**CONSOLIDATED WATER TRANSFER FORMS:
 FORM 3: APPLICATION FOR SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE
 FORM 4: APPLICATION OR AMENDMENT TO APPLICATION TO RECAPTURE WATER IN STORAGE
 FORM 5: APPLICATION TO TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD**

FISCAL YEAR 2018 - 2019

DATE REQUESTED: July 11, 2018

AMOUNT REQUESTED: 500 Acre-Feet

TRANSFER FROM (SELLER / TRANSFEROR):	TRANSFER TO (BUYER / TRANSFEREE):
<u>West Valley Water District</u> Name of Party	<u>Cucamonga Valley Water District</u> Name of Party
<u>855 W Baseline Road</u> Street Address	<u>10440 Ashford Street</u> Street Address
<u>Railto</u> CA <u>92376</u> City State Zip Code	<u>Rancho Cucamonga</u> CA <u>91730</u> City State Zip Code
<u>(909)875-1804</u> Telephone	<u>(909)937-2591</u> Telephone
<u>(909)875-7284</u> Facsimile	<u>(909)476-8032</u> Facsimile

Have any other transfers been approved by Watermaster between these parties covering the same fiscal year? Yes No

PURPOSE OF TRANSFER:

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain _____

WATER IS TO BE TRANSFERRED FROM:

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
- Other, explain _____

WATER IS TO BE TRANSFERRED TO:

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain _____

Consolidated Forms 3, 4 & 5 cont.

IS THE 85/15 RULE EXPECTED TO APPLY? (If yes, all answers below must be "yes.") Yes No
Is the Buyer an 85/15 Party? Yes No
Is the purpose of the transfer to meet a current demand over and above production right? Yes No
Is the water being placed into the Buyer's Annual Account? Yes No

IF WATER IS TO BE TRANSFERRED FROM STORAGE:	
Varies	
Projected Rate of Recapture	Projected Duration of Recapture
METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):	
Pumping	
PLACE OF USE OF WATER TO BE RECAPTURED:	
Cucamonga Valley Water District Service Area within MZ2	
LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):	
N/A	

WATER QUALITY AND WATER LEVELS

Are the Parties aware of any water quality issues that exist in the area? Yes No

If yes, please explain:

What are the existing water levels in the areas that are likely to be affected?

Static water levels varies from 440' - 582'

MATERIAL PHYSICAL INJURY

Are any of the recapture wells located within Management Zone 1? Yes No

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes No

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

SAID TRANSFER SHALL BE CONDITIONED UPON:

- (1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment, the Peace Agreement, the Peace II Agreement, and the Management Zone 1 Subsidence Management Plan for the period described above. The first water produced in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
- (2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
- (3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
- (4) Any Transferee not already a party must Intervene and become a party to the Judgment.

ADDITIONAL INFORMATION ATTACHED

Yes No



Seller / Transferor Representative Signature

Greg Gage, Assistant General Manager
Seller / Transferor Representative Name (Printed)



Buyer / Transferee Representative Signature

Martin E. Zvirbulis, General Manager/CEO
Buyer / Transferee Representative Name (Printed)

TO BE COMPLETED BY WATERMASTER STAFF:

DATE OF WATERMASTER NOTICE: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

August 3, 2018

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

TRANSFER OF WATER

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is “no material physical injury” and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **July 11, 2018**

Date of this notice: **August 3, 2018**

Please take notice that the following Application has been received by Watermaster:

- Notice of Sale or Transfer – The purchase of 500.000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District's Excess Carryover Account.

This *Application* will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	August 9, 2018
Non-Agricultural Pool:	August 9, 2018
Agricultural Pool:	August 9, 2018

This *Application* will be scheduled for consideration by the Advisory Committee *no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days* after the last pool committee reviews it.

After consideration by the Advisory Committee, the *Application* will be considered by the Board.

Unless the *Application* is amended, parties to the Judgment may file *Contests* to the *Application* with Watermaster *within seven calendar days* of when the last pool committee considers it. Any *Contest* must be in writing and state the basis of the *Contest*.

Watermaster address:

Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Tel: (909) 484-3888
Fax: (909) 484-3890

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T-18-07-01)



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) (Business Item II.A.)

SUMMARY

Issue: Adopt Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01).

Recommendation: Adopt Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) as presented.

Financial Impact: No financial impact. The Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is a reallocation of approved budgeted funds and does not have any financial impact on the total FY 2018/19 "Amended" budget of \$13,615,365.07 which includes \$4,728,140.07 of Carry-Over funding.

Future Consideration

Watermaster Board – September 27, 2018: Adoption (Advisory Committee approval required)

ACTIONS:

Appropriative Pool – September 13, 2018: Unanimously recommended Advisory Committee approval

Non-Agricultural Pool – September 13, 2018: Unanimously approved recommendation as presented and directed the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate

Agricultural Pool – September 13, 2018: Unanimously recommended Advisory Committee approval

Advisory Committee – September 20, 2018: Unanimously approved

Watermaster Board – September 27, 2018:

BACKGROUND

Utilizing the Watermaster's accounting software (Intuit QuickBooks Enterprise Solutions 18.0), on a continuing basis the Watermaster staff reviews the budget vs. actual reports and ensures that adequate budget and funds are maintained. Watermaster also provides monthly financial reports to keep all members apprised of the actual and projected total expenses for the current fiscal year. Watermaster also provides a process for reallocating budget to other expense categories to provide continued funding, or amending the approved budget to ensure the categories are funded properly.

BUDGET TRANSFERS:

With regards to the process of budget transfers, the following information is provided:

The Chino Basin Watermaster budget has four main budget categories:

- General & Administrative Expenses
- Optimum Basin Management Program Expenses
- Project Expenditures
- Other Income/Expenses

The Watermaster General Manager has authority to transfer funds within the main budget categories up to \$25,000 without Board approval. However, to allow for full transparency in the process, the Pools, Advisory Committee, and the Board will be informed of all budget transfers less than \$25,000.

Budget transfers greater than \$25,000 *within the same categories* must be formally recommended for approval by the Pools, approved by the Advisory Committee, and approved by the Board. If there are insufficient funds within same category, the Watermaster General Manager may propose a transfer from one main category to another. All budget transfers from one main category to another, regardless of the amount, require recommended approval by the Pools, approval by the Advisory Committee, and approval by the Board.

All budget transfers are processed in and recorded in the accounting system.

DISCUSSION

Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

The attached Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is provided as documentation to clearly show which general ledger accounts are being reduced and which general ledger accounts are being increased. Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is reallocating existing approved budget dollars between Watermaster accounts as needed to pay the Recharge Improvement Project invoices received from IEUA. The Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is a "net zero" document, which means the budget reductions of \$2,377,205.84 and budget additions of \$2,377,205.84 within the general ledger accounts are equal. There is no change to the overall budget as a result of Fiscal year 2018/19 Budget Transfer (Form T-18-07-01) and no new funds or assessments are required. The effective date of the Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) will be August 31, 2018 and all adjustments will be recorded within the August 2018 accounting period.

The general ledger accounts increased by Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) are as follows:

Lower Day Basin (Task Order #2)	Account 7690.8	\$ 414,540.85
2013 RMPU Projects	Account 7690.15	\$ 690,258.97
Funds on Hold for Projects *	Account 7690.9	<u>\$ 1,272,406.02</u>
Grand Total		<u>\$ 2,377,205.84</u>

*Note the amount of \$1,272,406.02 cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

The general ledger accounts reduced by Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) are as follows:

CB20 Turnout Noise Abatement/Mitigation	Account 7690.5	\$ 859.80
Wineville Basin Proof of Concept (Task Order #6)	Account 7209.2	\$ 35,397.53
Jurupa Pumping Station (Task Order #5)	Account 7209.1	\$ 37,981.33
Hickory Basin Recharge Improvement Project	Account 7690.3	\$ 3,877.00
San Sevaine Recharge Project (Task Order #8)	Account 7690.4	<u>\$ 2,299,090.18</u>
Grand Total		<u>\$ 2,377,205.84</u>

The Approved "Amended" Budget for FY 2018/19 of \$13,615,365.07 (which includes the additional "Carry Over" funding of \$4,728,140.07) was NOT increased with the Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01).

SOURCES OF FUNDING:

CB20 Turnout Noise Abatement/Mitigation of \$859.80

The original budget for this project was \$80,000 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. After the project was completed, the amount of \$859.80 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$859.80 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Wineville Basin Proof of Concept (Task Order #6) of \$35,397.53

The original budget for this project was \$212,150 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. After the project was completed, the amount of \$35,397.53 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$35,397.53 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Jurupa Pumping Station (Task Order #5) of \$37,981.33

The original budget for this project was \$150,000 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. During the month of November 2014, Budget Transfer (Form T-14-10-01) was approved which allocated an amount of \$73,200 from the Jurupa Pumping Station (Task Order #5) to the Hickory Basin Recharge Improvement Project in the amount of \$27,500 and to the GWR SCADA Upgrades (Task Order #4) in the amount of \$45,700 (\$27,500 + \$45,700 = \$73,200). After Budget Transfer (Form T-14-10-01) the funding balance for this project was \$76,800 (\$150,000 - \$73,200 = \$76,800)

After the project was completed, the amount of \$37,981.33 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$37,981.33 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Hickory Basin Recharge Improvement Project of \$3,877.00

The original budget for this project was \$52,500 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. During the month of November 2014, Budget Transfer (Form T-14-10-01) was approved which allocated an amount of \$27,500 from the Jurupa Pumping Station (Task Order #5) to the Hickory Basin Recharge Improvement Project in the amount of \$27,500. After Budget Transfer (Form T-14-10-01), the funding balance for this project was \$80,000 ($\$52,500 + \$27,500 = \$80,000$)

After the project was completed, the amount of \$3,877.00 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$3,877.00 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

San Sevaine Recharge Project (Task Order #8) of \$2,299,090.18

The original budget for this project was \$2,667,500 and \$475,000 was included in the FY 2014/15 approved budget. The funding for this project was assessed and collected as part of the FY 2014/15 assessment invoicing process. Of the \$475,000 collected in FY 2014/15, the amount of \$368,409.82 was paid, leaving a carried-over balance of \$106,590.18.

As part of the FY 2015/16 budget, the amount of \$1,126,900 was included. This budgeted amount of \$1,126,900 was also assessed and collected as part of the FY 2015/16 assessment invoicing process.

As part of the FY 2016/17 budget, the amount of \$1,065,600 was included. This budgeted amount of \$1,065,600 was also assessed and collected as part of the FY 2016/17 assessment invoicing process.

Watermaster has recently been informed by IEUA that Grants and SRF loans will fund the remaining San Sevaine Project (Task Order #8) and the funding collected by Watermaster of \$2,299,090.18 will not be needed ($\$106,590.18 + \$1,126,900 + \$1,065,600 = \$2,299,090.18$).

The amount of \$2,299,090.18 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$336,425.19 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2), and the amount of \$690,258.97 will be allocated to account number 7690.15 which is the 2013 RMPU Projects. The balance remaining of \$1,272,406.02 ($\$2,299,090.18 - \$336,425.19 - \$690,258.97 = \$1,272,406.02$) will be allocated to account number 7690.9 which is Funds on Hold for Projects.

Please note that amount of \$1,272,406.02 cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

USES OF FUNDING:

Lower Day Basin Project (Task Order #2) of \$414,540.85

The Lower Day Basin Project (Task Order #2) currently has a Budget Carry-Over fund available of \$5,287.54. However, Watermaster has recently received an invoice from IEIUA in the amount of \$119,828.39 and Watermaster does not have the current funding to cover the entire invoice amount. IEUA has also informed Watermaster that approximately \$300,000 of additional billings will be forthcoming within the next few months. The transfer of funds between accounts will provide funding and authorization for Watermaster to pay the current and future invoicing for the Lower Day Basin Project (Task Order #2).

The use of funds will be as follows:

Current Funding:	\$ 5,287.54
Transfer Funding:	<u>\$ 414,540.85</u>
Total Funding Balance:	\$ 419,828.39
Less:	
Invoice from IEUA:	(\$ 119,828.39)
Projected Invoicing from IEUA:	<u>(\$ 300,000.00)</u>
Total Funding Balance:	\$ -0-

2013 RMPU Projects of \$690,258.97

The 2013 RMPU Projects currently has a Budget Carry-Over fund available of \$589,923.18. However, Watermaster has recently received an invoice from IEIUA in the amount of \$980,182.15 and Watermaster does not have the current funding to cover the entire invoice amount. IEUA has also informed Watermaster that approximately \$300,000 of additional billings will be forthcoming within the next few months. The transfer of funds between accounts will provide funding and authorization for Watermaster to pay the current and future invoicing for the 2013 RMPU Projects.

The use of funds will be as follows:

Current Funding:	\$ 589,923.18
Transfer Funding:	<u>\$ 690,258.97</u>
Total Funding Balance:	\$ 1,280,182.15
Less:	
Invoice from IEUA:	(\$ 980,182.15)
Projected Invoicing from IEUA:	<u>(\$ 300,000.00)</u>
Total Funding Balance:	\$ -0-

Funds on Hold for Projects of \$1,272,406.02

The total amount available for transfer is \$2,377,205.84 with \$414,540.85 being transferred to fund the Lower Day Basin Project (Task Order #2) and \$690,258.97 being transferred to fund the 2013 RMPU Projects, leaving an available balance of \$1,272,406.02 ($\$2,377,205.84 - \$414,540.85 - \$690,258.97 = \$1,272,406.02$).

This available amount of \$1,272,406.02 will be assigned to a special fund account and cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

ATTACHMENT

1. Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

**B. 2018 RECHARGE MASTER PLAN UPDATE AND RESOLUTION
NO. 2018-04**



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: 2018 Recharge Master Plan Update and Resolution No. 2018-04 (Business Item II.B.)

SUMMARY

Issue: The 2018 Recharge Master Plan Update (RMPU) is due to be filed with the Court by October 2018 as required by the Peace II Agreement.

Recommendation: Approve the 2018 RMPU as presented, adopt Resolution No. 2018-04, and authorize General Counsel to make the appropriate filing requesting the Court's approval.

Financial Impact: None

Future Consideration

Watermaster Board – September 27, 2018: Approve the 2018 RMPU, adopt Resolution No. 2018-04, and authorize General Counsel to make the appropriate filing requesting the Court's approval [Within WM Duties and Powers]

ACTIONS:

Appropriative Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and adopt

Non-Agricultural Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and adopt, subject to changes which they deem appropriate

Agricultural Pool – September 13, 2018: Unanimously Recommended Advisory Committee to recommend to the Watermaster Board to approve and adopt

Advisory Committee – September 20, 2018: Unanimously recommended to the Watermaster Board to approve and adopt
Watermaster Board – September 27, 2018:

BACKGROUND

Section 8.1 of the Peace II Agreement requires that the Recharge Master Plan will be updated and jointly approved by Watermaster and Inland Empire Utilities Agency (IEUA) as frequently as necessary, not less frequently than every five years, and that Court approval be obtained for such updates. The most recent Recharge Master Plan Update (RMPU) was undertaken in 2013. As such, per Section 8.1 of the Peace II Agreement, an update to the 2013 RMPU is due to be filed with the Court no later than 2018.

As described in Section 1 of the 2018 RMPU, the recharge projects identified in the 2013 RMPU were refined during initial planning and design. Once the projects that were found to be feasible have been constructed, the 2013 RMPU recharge projects are expected to provide a projected increase in stormwater recharge of 4,800 acre-feet per year ("AFY") and recycled water recharge capacity of 7,100 AFY. The projects are in the final design phase and are expected to be operational by 2020.

To satisfy this requirement, Watermaster, with the assistance of Wildermuth Environmental, Inc., began the process of updating the 2013 RMPU in February 2018. Specifically, on February 15, 2018, Watermaster held the first of six 2018 RMPU Steering Committee meetings to obtain input, review, and comment on the 2018 RMPU as it was being developed. The Steering Committee was open to all and met monthly until the last section was reviewed on July 26, 2018. On August 16, 2018, Watermaster hosted a 2018 RMPU Workshop to summarize the document in its entirety and address comments that were received.

Throughout the development of the 2018 RMPU, the Watermaster Board received periodic updates as to the progress made by the Steering Committee.

To meet the deadline to file the 2018 RMPU with the Court, Board approval from Watermaster and IEUA is necessary. Approval from both Boards will occur in September 2018.

DISCUSSION

The 2018 RMPU consists of seven sections, developed with input from the Steering Committee.

- Sections 1 and 2 summarize and describe the background and purpose of the RMPU, the changed conditions in the Basin since the 2013 RMPU, including an update on the implementation of the 2013 RMPU, and planning assumptions used in the 2018 RMPU.
- Section 3 contains technical analysis of the physical state of the basin and incorporates pumping projections from the Appropriators. The section aims to understand the future demands on the Chino Basin.
- Section 4 summarizes the existing and planned recharge facilities as compared to the Basin's recharge needs, including further describing the consideration and implementation of recharge facilities contemplated in the 2013 RMPU.
- Section 5 compares the findings in Section 3 (how much water will be used) with the findings in Section 4 (how much capacity the Basin will have for recharge) and documents the conclusion that the existing recharge strategy, as outlined in the 2013 RMPU, and the facilities on which it relies are sufficient until the next RMPU occurs in 2023.

In Section 6, conclusions and recommendations based on the previous section's analysis are described.

The conclusions are:

1. Watermaster has access to enough recharge capacity to meet its supplemental recharge obligations through 2050.
2. No changes are recommended for the 6,500 AFY supplemental water recharge obligation in MZ1 or in the prioritization of the recharge locations and amounts to meet the balance of recharge and discharge requirements.
3. The MS4 data collection from Section 5 of the 2013 RMPU Amendment will continue.
4. No new recharge projects will be considered at this time.

The recommendations are:

1. Continue implementation of 2013 RMPU yield enhancement projects.
2. Monitor Metropolitan Water District's IRP implementation progress and actions of others that could impact future imported water supply reliability for both direct use and replenishment.
3. Review the 6,500 AFY recharge obligation in MZ1 in the 2023 RMPU or sooner.
4. Review the development of the CBWCD's Confluence project and review potential new stormwater and supplemental water recharge projects in the 2023 RMPU.
5. Annually review the time and effort involved in the collection of information on MS4 project implementation and reassess the value of this effort.

There is no financial impact associated with the recommended actions.

The item was presented to the Advisory Committee at its September 2018 meeting and was unanimously recommended for the Watermaster Board to approve and adopt.

On September 19, 2018, The Inland Empire Utilities Agency's Board approved the 2018 RMPU.

Staff recommends the Watermaster Board adopt Resolution No 2018-04, approve the 2018 RMPU as presented, and authorize General Counsel to make the appropriate filing requesting the Court's approval (Attachment 4).

ATTACHMENTS

1. Final Draft of 2018 RMPU (Click on the link below to access):
<https://cbwm.syncedtool.com/shares/file/4c4e22bab7b8d6/>
2. Draft Resolution No. 2018-04 to Adopt 2018 RMPU with Exhibits A-C
3. Draft 2018 RMPU court filing package

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

DRAFT 2018 RMPU

Click on link below to access:

<https://cbwm.syncedtool.com/shares/file/5a6a9e2526cb65/>

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

**RESOLUTION 2018-04
OF THE
CHINO BASIN WATERMASTER
REGARDING THE ADOPTION OF THE 2018 RECHARGE MASTER PLAN UPDATE**

1. **WHEREAS**, in 2000, the Chino Basin Watermaster adopted a Recharge Master Plan which established the technical foundation for the development of the recharge facilities and practices in the Chino Basin; and
2. **WHEREAS**, in 2001, Watermaster, in cooperation with the Inland Empire Utilities Agency ("IEUA"), initiated the Chino Basin Facilities Improvement Project ("CBFIP") which implemented facilities recommendations in the Recharge Master Plan; and
3. **WHEREAS**, in 2006, Watermaster, in cooperation with IEUA, initiated Phase II of the CBFIP in order to implement additional facilities recommendations in the Recharge Master Plan; and
4. **WHEREAS**, on December 21, 2007, the Court approved the Peace II Measures which set forth a modified approach to management of the Chino Basin known as Basin Re-Operation, the ultimate goal of which is the achievement of Hydraulic Control; and
5. **WHEREAS**, Section 8.1 of the Peace II Agreement, the relevant portions for purposes of this Resolution are attached as Exhibit A hereto, included the requirement that the Recharge Master Plan be updated and that each of Watermaster and IEUA approve the updates to the Recharge Master Plan; and
6. **WHEREAS**, pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft; and
7. **WHEREAS**, pursuant to Section 8.1 of the Peace II Agreement, updates to the Recharge Master Plan must occur as frequently as necessary, but not less frequently than every five years, and must be approved by the Court; and
8. **WHEREAS**, updates to the Recharge Master Plan must account for the new Basin management regime and other changes that occurred since the creation or last update of the Recharge Master Plan; and
9. **WHEREAS**, on June 30, 2010, Watermaster submitted its updated Recharge Master Plan ("2010 RMPU") to the Court; and
10. **WHEREAS**, Watermaster submitted its 2013 Amendment to the 2010 Recharge Master Plan Update ("2013 RMPU") to the Court on November 4, 2013; and
11. **WHEREAS**, on December 13, 2013, the Court issued an order approving the 2013 RMPU, except Section 5 thereof, and on April 25, 2013, the Court issued an Order approving Section 5 of the 2013 RMPU; and
12. **WHEREAS**, at its November 16, 2017 regular meeting, the Board reviewed an opinion from Wildermuth Environmental, Inc. ("WEI") regarding the adequacy of replenishment capacity. The Board adopted the findings in the WEI report, a copy of which is attached hereto as Exhibit B, which found that, as there is sufficient recharge capacity to meet future replenishment obligations identified in the 2013 RMPU and that if Basin Re-Operation were terminated prior to 2030, that Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, and, accordingly, Watermaster was in substantial compliance with the Recharge Master Plan, as required; and

13. WHEREAS, in February 2018, a Recharge Master Plan Update Steering Committee (“Steering Committee”), composed of stakeholders in the Basin, including IEUA, was convened in order to develop the 2018 Recharge Master Plan Update (“2018 RMPU”), attached hereto as Exhibit C, through a collaborative process. The Steering Committee held seven meetings from February 2018 to August 2018 in order for stakeholders to participate in the development of the 2018 RMPU; and

14. WHEREAS, the 2018 RMPU addresses the elements required by the Court’s December 21, 2007 Order Concerning Motion for Approval of Peace II Documents and the Peace II Agreement; and

15. WHEREAS, the 2018 RMPU includes: (1) a description of changed conditions in the Basin from those detailed in the 2013 RMPU and planning assumptions for the 2018 RMPU; (2) a description of the Basin’s response to the updated conditions in the Basin; (3) an inventory of existing and planned recharge facilities in the Basin that can be compared to the Basin’s recharge needs; (4) identification of future needs for recharge capacity in the Basin and a comparison with available recharge capacity; and, (5) recommendations for future activities and an implementation plan for the 2018 RMPU; and

16. WHEREAS, IEUA has been an active participant in the 2018 RMPU process and, on September 19, 2018, IEUA’s Board of Directors approved the 2018 RMPU; and

17. WHEREAS, the Watermaster Board has received periodic updates as to the progress made by the Steering Committee in the development of the 2018 RMPU.

NOW, THEREFORE, on the basis of the staff reports, expert opinions and substantial evidence presented, Watermaster finds that:

1. There exists sufficient recharge capacity to meet future replenishment obligations identified in the 2013 RMPU. If Basin Re-Operation were terminated prior to 2030, Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, in compliance with the Recharge Master Plan.
2. Watermaster and interested parties, through the Steering Committee, thoroughly evaluated changed circumstances since the time of the 2013 RMPU and how these changes affect the Recharge Master Plan, and this evaluation is included in Sections 2 and 3 of the 2018 RMPU.
3. Watermaster and interested parties, through the Steering Committee, thoroughly evaluated the existing and planned recharge facilities in the Basin as compared to the Basin’s recharge needs, and this evaluation is included in Section 4 of the 2018 RMPU.
4. Watermaster and interested parties, through the Steering Committee, considered the need for future recharge capacity by comparing the projected future recharge requirements of the Basin and physical capacity to achieve that requirement and concluded that the existing recharge capacity and facilities on which it relies are sufficient until the next Recharge Master Plan update in 2023. This evaluation is included in Section 5 of the RMPU.
5. Using the information and analysis contained in Sections 1 through 5 of the 2018 RMPU, Watermaster and interested parties, through the Steering Committee, developed recommendations and an implementation plan for the 2018 RMPU, which are included in Section 6 of the 2018 RMPU.
6. The development of the 2018 RMPU complies with the requirements for an update to the Recharge Master Plan.

NOW, THEREFORE, BE IT RESOLVED that, on the basis of the staff reports, expert opinions and substantial evidence presented, Watermaster finds that:

1. The 2018 RMPU is based on sound technical analysis and adequately updates the 2013 RMPU in light of changed economic, legislative, and hydrologic conditions within the State of California and in satisfaction of the Peace II Agreement and the Court's Orders.
2. Based upon the 2018 RMPU, there exists sufficient recharge capacity to meet future replenishment obligations identified in the 2018 RMPU through 2050. If Basin Re-Operation were terminated prior to 2030, Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, in compliance with the Recharge Master Plan.
3. Watermaster adopts the 2018 RMPU as the guidance document for the further development of the recharge facilities within the Basin.
4. Pursuant to the Peace II Agreement Section 8.1, Watermaster and IEUA will update the Recharge Master Plan not less frequently than once every five years. The Plan will next be updated no later than 2023.

APPROVED by the Advisory Committee this 20th day of September 2018.
ADOPTED by the Watermaster Board on this 27th day of September 2018.

By: _____
Chairman, Watermaster Board

APPROVED:

Chairman, Advisory Committee

ATTEST:

Board Secretary
Chino Basin Watermaster

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN BERNARDINO)

I, Bob Kuhn, Secretary/Treasurer of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 2018-04, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES: 0
NOES: 0
ABSENT: 0
ABSTAIN: 0

CHINO BASIN WATERMASTER

Secretary

Date: September 27, 2018

DRAFT

October 25, 2007

**PEACE II AGREEMENT:
PARTY SUPPORT FOR WATERMASTER'S OBMP
IMPLEMENTATION PLAN, -
SETTLEMENT AND RELEASE OF CLAIMS
REGARDING FUTURE DESALTERS**

WHEREAS, paragraph 41 of the Judgment entered in *Chino Basin Municipal Water District v. City of Chino* (San Bernardino Superior Court Case No. 51010) grants Watermaster, with the advice of the Advisory and Pool Committees, "discretionary powers in order to implement an Optimum Basin Management Program ("OBMP") for the Chino Basin";

WHEREAS, the Parties to the Judgment executed an agreement resolving their differences and pledging their support for Watermaster actions in accordance with specific terms in June of 2000 ("Peace Agreement");

WHEREAS, Watermaster approved Resolution 00-05, and thereby adopted the goals and objectives of the OBMP, the OBMP Implementation Plan and committed to act in accordance with the terms of the Peace Agreement;

WHEREAS, pursuant to Article IV, paragraph 4.2, each of the parties to the Peace Agreement agreed not to oppose Watermaster's adoption and implementation of the OBMP Implementation Plan attached as Exhibit "B" to the Peace Agreement;

WHEREAS, the Peace Agreement, the OBMP Implementation Plan and the Chino Basin Watermaster Rules and Regulations contemplate further actions by Watermaster in furtherance of its responsibilities under paragraph 41 of the Judgment and in accordance with the Peace Agreement and the OBMP Implementation Plan;

WHEREAS, the Parties to the Peace Agreement made certain commitments regarding the funding, design, construction and operation of Future Desalters;

WHEREAS, after receiving input from its stakeholders in the form of the Stakeholder's Non-Binding Term Sheet, Watermaster has proposed to adopt Resolution 07-05 attached as Exhibit "1" hereto to further implement the OBMP through a suite of measures commonly referred to and herein defined as "Peace II Measures", including but not limited to the 2007 Supplement to the OBMP, the Second Amendment to the Peace Agreement, amendments to Watermaster's Rules and Regulations, the purchase and sale of water within the Overlying (Non-Agricultural) Pool and certain Judgment amendments; and

NOW, THEREFORE, in consideration of the mutual promises specified herein and by conditioning their performance under this Agreement upon the conditions precedent set forth in Article III herein, the Watermaster Approval, and Court Order, and for other good and valuable consideration, the Parties agree as follows:

October 25, 2007

- 7.5 Allocation of Losses. Any losses from storage assessed as a Leave Behind in excess of actual losses ("dedication quantity") will be dedicated by Watermaster towards groundwater Production by the Desalters to thereby avoid a Desalter replenishment obligation that may then exist *in the year* of recovery. Any dedication quantity which is not required to offset Desalter Production in the year in which the loss is assessed, will be made available to the members of the Appropriative Pool. The dedication quantity will be pro-rated among the members of the Appropriative Pool in accordance with each Producer's combined total share of Operating Safe Yield and the previous year's actual production. However, before any member of the Appropriative Pool may receive a distribution of any dedication quantity, they must be in full compliance with the 2007 Supplement to the OBMP Implementation Plan and current in all applicable Watermaster assessments.

ARTICLE VIII **RECHARGE**

- 8.1 Update to the Recharge Master Plan. Watermaster will update and obtain Court approval of its update to the Recharge Master Plan to address how the Basin will be contemporaneously managed to secure and maintain Hydraulic Control and subsequently operated at a new equilibrium at the conclusion of the period of Re-Operation. The Recharge Master Plan will be jointly approved by IEUA and Watermaster and shall contain recharge estimations and summaries of the projected water supply availability as well as the physical means to accomplish the recharge projections. Specifically, the Plan will reflect an appropriate schedule for planning, design, and physical improvements as may be required to provide reasonable assurance that following the full beneficial use of the groundwater withdrawn in accordance with the Basin Re-Operation and authorized controlled overdraft, that sufficient Replenishment capability exists to meet the reasonable projections of Desalter Replenishment obligations. With the concurrence of IEUA and Watermaster, the Recharge Master Plan will be updated and amended as frequently as necessary with Court approval and not less than every five (5) years. Costs incurred in the design, permitting, operation and maintenance of recharge improvements will be apportioned in accordance with the following principles.
- a. Operations and Maintenance. All future operations and maintenance costs attributable to all recharge facilities utilized for recharge of recycled water in whole or in part unfunded from third party sources, will be paid by the Inland Empire Utilities Agency ("IEUA") and Watermaster. The contribution by IEUA will be determined annually on the basis of the relative proportion of recycled water recharged bears to the total recharge from all sources in the prior year. For example, if 35 percent of total recharge in a single year is from recycled water, then IEUA will bear 35 percent of the operations and maintenance costs. All remaining unfunded costs attributable to the facilities used by Watermaster will be paid by Watermaster.
- i. IEUA reserves discretion as to how it assesses its share of costs.

October 25, 2007

ii. Watermaster will apportion its costs among the members of the stakeholders in accordance with Production, excluding Desalter Production.

iii. The operations and maintenance costs of water recharged by aquifer storage and recovery will not be considered in the calculation other than by express agreement.

b. Capital. Mutually approved capital improvements for recharge basins that do or can receive recycled water constructed pursuant to the Court approved Recharge Master Plan, if any, will be financed through the use of third party grants and contributions if available, with any unfunded balance being apportioned 50 percent each to IEUA and Watermaster. The Watermaster contribution shall be allocated according to shares of Operating Safe Yield. All remaining unfunded costs attributable to the facilities used by Watermaster will be paid by Watermaster.

8.2 Coordination. The members of the Appropriative Pool will coordinate the development of their respective Urban Water Management Plans and Water Supply Master Plans with Watermaster as follows.

- (a) Each Appropriator that prepares an Urban Water Management Plan and Water Supply Plans will provide Watermaster with copies of their existing and proposed plans.
- (b) Watermaster will use the Plans in evaluating the adequacy of the Recharge Master Plan and other OBMP Implementation Plan program elements.
- (c) Each Appropriator will provide Watermaster with a draft in advance of adopting any proposed changes to their Urban Water Management Plans and in advance of adopting any material changes to their Water Supply Master Plans respectively in accordance with the customary notification routinely provided to other third parties to offer Watermaster a reasonable opportunity to provide informal input and informal comment on the proposed changes.
- (d) Any party that experiences the loss or the imminent threatened loss of a material water supply source will provide reasonable notice to Watermaster of the condition and the expected impact, if any, on the projected groundwater use.

8.3 Continuing Covenant. To ameliorate any long-term risks attributable to reliance upon un-replenished groundwater production by the Desalters, the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft as a component of the Physical Solution, is expressly subject to Watermaster making an annual finding about whether it is in substantial compliance with the revised Watermaster Recharge Master Plan pursuant to Paragraphs 7.3 and 8.1 above.

October 25, 2007

8.4 Acknowledgment re 6,500 Acre-Foot Supplemental Recharge. The Parties make the following acknowledgments regarding the 6,500 Acre-Foot Supplemental Recharge:

- (a) A fundamental premise of the Physical Solution is that all water users dependent upon Chino Basin will be allowed to pump sufficient waters from the Basin to meet their requirements. To promote the goal of equal access to groundwater within all areas and sub-areas of the Chino Basin, Watermaster has committed to use its best efforts to direct recharge relative to production in each area and sub-area of the Basin and to achieve long-term balance between total recharge and discharge. The Parties acknowledge that to assist Watermaster in providing for recharge, the Peace Agreement sets forth a requirement for Appropriative Pool purchase of 6,500 acre-feet per year of Supplemental Water for recharge in Management Zone 1 (MZ1). The purchases have been credited as an addition to Appropriative Pool storage accounts. The water recharged under this program has not been accounted for as Replenishment water.
- (b) Watermaster was required to evaluate the continuance of this requirement in 2005 by taking into account provisions of the Judgment, Peace Agreement and OBMP, among all other relevant factors. It has been determined that other obligations in the Judgment and Peace Agreement, including the requirement of hydrologic balance and projected replenishment obligations, will provide for sufficient wet-water recharge to make the separate commitment of Appropriative Pool purchase of 6,500 acre-feet unnecessary. Therefore, because the recharge target as described in the Peace Agreement has been achieved, further purchases under the program will cease and Watermaster will proceed with operations in accordance with the provisions of paragraphs (c), (d) and (e) below.
- (c) The parties acknowledge that, regardless of Replenishment obligations, Watermaster will independently determine whether to require wet-water recharge within MZ1 to maintain hydrologic balance and to provide equal access to groundwater in accordance with the provisions of this Section 8.4 and in a manner consistent with the Peace Agreement, OBMP and the Long Term Plan for Subsidence. Watermaster will conduct its recharge in a manner to provide hydrologic balance within, and will emphasize recharge in MZ1. Accordingly, the Parties acknowledge and agree that each year Watermaster shall continue to be guided in the exercise of its discretion concerning recharge by the principles of hydrologic balance.
- (d) Consistent with its overall obligations to manage the Chino Basin to ensure hydrologic balance within each management zone, for the duration of the Peace Agreement (until June of 2030), Watermaster will ensure that a minimum of 6,500 acre-feet of wet water recharge occurs within MZ1 on an annual basis. However, to the extent that water is unavailable for recharge or there is no replenishment obligation in any year, the obligation to recharge 6,500 acre-feet will accrue and be satisfied in subsequent years.
 - (1) Watermaster will implement this measure in a coordinated manner so as to

facilitate compliance with other agreements among the parties, including but not limited to the Dry-Year Yield Agreements.

- (2) In preparation of the Recharge Master Plan, Watermaster will consider whether existing groundwater production facilities owned or controlled by producers within MZ1 may be used in connection with an aquifer storage and recovery ("ASR") project so as to further enhance recharge in specific locations and to otherwise meet the objectives of the Recharge Master Plan.
- (e) Five years from the effective date of the Peace II Measures, Watermaster will cause an evaluation of the minimum recharge quantity for MZ1. After consideration of the information developed in accordance with the studies conducted pursuant to paragraph 3 below, the observed experiences in complying with the Dry Year Yield Agreements as well as any other pertinent information, Watermaster may increase the minimum requirement for MZ1 to quantities greater than 6,500 acre-feet per year. In no circumstance will the commitment to recharge 6,500 acre-feet be reduced for the duration of the Peace Agreement.

ARTICLE IX

9.1 Basin Management Assistance. Three Valleys Municipal Water District ("TVMWD") shall assist in the management of the Basin through a financial contribution of \$300,000 to study the feasibility of developing a water supply program within Management Zone 1 of the Basin or in connection with the evaluation of Future Desalters. The study will emphasize assisting Watermaster in meeting its OBMP Implementation Plan objectives of concurrently securing Hydraulic Control through Re-Operation while attaining Management Zone 1 subsidence management goals. Further, TVMWD has expressed an interest in participating in future projects in the Basin that benefit TVMWD. If TVMWD wishes to construct or participate in such future projects, TVMWD shall negotiate with Watermaster in good faith concerning a possible "buy-in" payment.

9.2 Allocation of Non-Agricultural Pool OBMP Special Assessment

a. For a period of ten years from the effective date of the Peace II Measures, any water (or financial equivalent) that may be contributed from the Overlying (Non-Agricultural) Pool in accordance with paragraph 8(c) of Exhibit G to the Judgment (as amended) will be apportioned among the members of the Appropriate Pool in each year as follows:

(i)	City of Ontario.	80 af
(ii)	City of Upland	161 af
(iii)	Monte Vista Water District	213 af
(iv)	City of Pomona	220 af
(v)	Marygold Mutual Water Co	16 af
(vi)	West Valley Water District	15 af

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 16, 2017
TO: Advisory Committee and Board Members
SUBJECT: Annual Finding of Substantial Compliance with the Recharge Master Plan
(Consent Calendar Item I.C.)

SUMMARY

Issue: The Finding is required on an annual basis according to Section 8.3 of the Peace II Agreement

Recommendations:

Advisory Committee – Recommend to the Watermaster Board to adopt the finding that Watermaster is in substantial compliance with the Recharge Master Plan.

Watermaster Board – Adopt the finding that Watermaster is in substantial compliance with the Recharge Master Plan.

Financial Impact: There is no financial impact associated with this action.

Future Consideration

Agricultural Pool – November 13, 2017: Recommendation to the Advisory Committee
Advisory Committee – November 16, 2017: Recommendation to the Watermaster Board
Watermaster Board – November 16 2017: Adopt the Finding of Compliance [Discretionary Function]

ACTIONS:

November 9, 2017 – Appropriative Pool: Unanimously recommended Advisory Committee approval.
November 9, 2017 – Non-Agricultural Pool: Unanimously recommended their representatives to support at Advisory Committee and Watermaster Board meetings subject to changes they deem necessary.
November 13, 2017 – Agricultural Pool:
November 16, 2017 – Advisory Committee:
November 16, 2017 – Watermaster Board:

BACKGROUND

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 Recharge Master Plan Update (RMPU). The RMPU was submitted to the Court in June 2010, and the Court subsequently approved the 2010 RMPU in October 2010. Watermaster has completed the amendment of the 2010 RMPU, pursuant to the Court's order, which the Board adopted in September 2013. The 2013 RMPU Amendment includes a Funding and Implementation Plan for the further recharge projects recommended for construction.

Pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as it is revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft. Wildermuth Environmental, Inc. (WEI) has prepared the attached opinion regarding the adequacy of replenishment capacity, which includes the information that Watermaster needs to make this finding for Fiscal Year 2017-2018.

DISCUSSION

WEI's analysis finds that current projections indicate that Watermaster has sufficient recharge capacity to meet the future replenishment obligations identified in the 2010 RMPU. Current analysis indicates that if Re-Operation were terminated at any time through 2030, Watermaster would be able to immediately increase its replenishment activity and replenish any overproduction in the Basin as required by the Judgment.

ATTACHMENTS

1. Annual Finding of Substantial Compliance – Fiscal Year 2017/18 (10/31/17 WEI Letter to CBWM)



October 31, 2017

Chino Basin Watermaster
Attention: Mr. Peter Kavounas, General Manager
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Subject: *Annual Finding of Substantial Compliance – Fiscal 2017-18 (2018)*

Dear Mr. Kavounas:

At your direction and pursuant to the Peace II Agreement, Wildermuth Environmental, Inc. (WEI) has prepared this opinion regarding the adequacy of replenishment capacity in the Chino Basin.

In part, Section 7.3 of the Peace II Agreement reads:

“Re-Operation and Watermaster’s apportionment of controlled overdraft will not be suspended in the event that Hydraulic Control is achieved in any year *before* the full 400,000 acre-feet has been produced so long as: [...] Watermaster is in substantial compliance with a Court approved Recharge Master Plan as set forth in Paragraph 8.1 below.”

Review of Section 8.1 of the Peace II Agreement indicates that this compliance relates to the implementation of plans to ensure that Watermaster has enough supplemental water recharge capacity to meet its replenishment obligation after the re-operation water is completely exhausted. Section 8.3 of the Peace II Agreement states:

“To ameliorate any long-term risks attributable to reliance upon un-replenished groundwater production by the Desalters, the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft as a component of the Physical Solution, is expressly subject to Watermaster making an annual finding about whether it is in substantial compliance with the revised Watermaster Recharge Master Plan pursuant to Paragraphs 7.3 and 8.1 above.”

Pursuant to the Peace II Agreement, Watermaster is obligated, following the completion of the 2010 Recharge Master Plan Update (RMPU), to make an annual finding that there is enough supplemental water recharge capacity to meet replenishment obligations. This letter report includes the information required by Watermaster to make this finding for fiscal 2018.

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 RMPU, which was submitted to the Court in June 2010. The Court subsequently approved the 2010 RMPU in October 2010.

In approving the 2010 RMPU, the Court ordered the Watermaster to update groundwater pumping and replenishment projections. Watermaster and the IEUA updated the groundwater pumping projections and reported on them in the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2010 Court Order. The table below shows the projected replenishment obligations developed in the Safe Yield reset process completed in 2015 and reported in Table 7-5 of the 2013 *Chino Basin Groundwater Model Update and Recalculation of Safe Yield*¹ report, finalized in October 2015.

Table 1 Projected Replenishment Obligations
 (afy)

Fiscal Year	Wet-water Replenishment Projection from the October 2015 Chino Basin Groundwater Model Update and Recalculation of Safe Yield ²
2020	0
2025	3,400
2030	14,000
2035	31,800
2040	31,800

The projected replenishment obligation is based on the groundwater pumping projections developed in the 2013 RMPU and projections of future safe yield. The 2018 projected supplemental water recharge capacity in the Chino Basin is listed in the table below along with prior estimate for fiscal year 2017 as estimated in the 2017 *Annual Findings of Substantial Compliance*.

Table 2 Projected Supplemental Water Recharge Capacity Estimates by Fiscal Year
 (afy)

Recharge Facility	2017	2018
Spreading Basins ³	74,700	56,600 to 70,200
ASR Wells ⁴	5,600	5,500
In-Lieu ⁵	25,000 to 40,000	25,000 to 40,000
Total	105,300 to 120,300	87,100 to 115,700

¹ The following links to the report: http://www.cbwm.org/rep_engineering.htm

² See column 10 in Table 7-5 of “2013 Chino Basin Groundwater Model Update and Recalculation of Safe Yield” http://www.cbwm.org/rep_engineering.htm.

³ Aggregate spreading basin recharge capacity revised since 2017, based on an update to the infiltration rates by WEI and IEUA.

⁴ ASR recharge capacity will be reevaluated in 2018

⁵ In-lieu recharge capacity will be reevaluated in 2018

Figure 1 shows the locations of spreading basins utilized by Watermaster and the IEUA for recharge in the Chino Basin. Table 3 lists the spreading basins available to Watermaster and their respective supplemental water recharge capacities⁶. The projected range in supplemental recharge capacity of 56,600 to 70,200 afy is less than reported in last year's Annual Finding of Substantial Compliance. This decrease in supplemental water recharge capacity is attributed to IEUA field observations of recharge performance and the application of a new method of estimating the time history of infiltration capacity under various recharge loading rates and periods between maintenance.

The Metropolitan Water District of Southern California (Metropolitan) provides imported water to the Chino Basin area through the IEUA. In its 2015 Integrated Regional Plan (IRP) Update,⁷ Metropolitan indicated that it will have enough water to meet all the supplemental water requirements within its service area through 2040, provided that it and member agencies implement the programs described in the 2015 IRP Update. The Watermaster parties can also import non-State Water Project (SWP) water into the Chino Basin area through Metropolitan's system. Watermaster uses SWP water served by Metropolitan for replenishment. In October 2017, Quagga mussels were discovered in the East Branch of the SWP. The full impact on the delivery of SWP water for recharge in the Chino basin due occurrence of Quagga mussels is unknown. The occurrence of Quagga mussels may limit the availability of recharge facilities during parts of the year to enable their eradication. The impact of Quagga mussels on the Watermaster's ability to recharge supplemental and storm waters will be evaluated prior to the 2019 Annual Finding of Substantial Compliance and will be included in that report.

Based on the best available information and excluding consideration of Quagga mussel impacts, the supplemental water recharge capacity available to Watermaster is about three to four times the projected replenishment obligation.

Based on our knowledge of the conditions in fiscal year 2018 and future water management projections, Watermaster's ability to recharge the basin with supplemental water to mitigate future overproduction is sufficient to meet expected future replenishment obligations. If re-operation were discontinued at any time through 2030, Watermaster would be able to increase its replenishment activity and maintain the hydrologic balance in the basin required by the Judgment.

Moreover, in November 2011, Watermaster committed to engage in a process to develop a preemptive replenishment program that would involve the acquisition and recharge of supplemental water in advance of incurring replenishment obligations and storing that water until future replenishment obligations occur. Preemptive replenishment is a complementary management tool that further enhances Watermaster's ability to meet its future replenishment requirements. In fiscal years 2011 and 2012, about 32,000 af of imported water was preemptively recharged. The IEUA has been recharging significant amounts of recycled water in the Chino Basin since 2006 and recharged about 13,900 af in fiscal 2017. And, the Peace II requirement to recharge 6,500 afy of supplemental water in Management Zone 1 is another example of preemptive replenishment that is currently active and will be so through 2030.

⁶ Infiltration rates were based either on an exponential decay function if data were available to develop such a function and its R² value was greater than 0.5 or the average long-term infiltration rate; both based on IEUA data and reported infiltration rates. This work will be documented in the 2018 Recharge Master Plan Update.

⁷ This report is located here: <http://mwdh2o.com/>

Please contact Garrett Rapp or me if you have any questions or concerns regarding this opinion.

Very truly yours,

Wildermuth Environmental, Inc.



Mark Wildermuth, PE
President



Garrett Rapp, PE
Staff Engineer

Encl: Figure 1, Table 3

**Table 3
Supplemental Water Recharge Capacity Estimates**

Recharge Facility	Average Operational Availability for Supplemental Water Recharge												Recharge Capacity Limitations for Supplemental Water Recharge Facilities					Theoretical Maximum Supplemental Water Recharge Capacity									
	Quarter 3			Quarter 4			Quarter 1			Quarter 2			Spillway, Outlet, Cons. Berm or Inlet Controlled		Freeboard	Maximum Operating Level	Wetted Area at Maximum Operating Level	Assumed Number of Years Between Maintenance ²	Parameter Values for Estimating Infiltration Rate ³				Maximum Theoretical One-Month Recharge Total ⁴	Maximum Theoretical Three-Month Recharge Total ⁵	Maximum Theoretical Annual Recharge Total ⁶	Maximum Average Theoretical Annual Recharge Between Maintenance Periods ⁷	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Elevation	Control Structure ¹					Alpha	Maximum Infiltration Rate	R-Squared Goodness of Fit	Long-Term Average Infiltration Rate					
	(ft-amsl)												(ft)	(ft-amsl)	(acres)		(ft/day)		(ft/day)	(af)							
Brooks Street Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	889.5	a	1.5	888.0	9.6	3	0.0003	1.8	0.674	-	385	1,031	2,401	1,658	
College Heights Basin - East	0.74	0.74	0.75	0.83	0.92	1.00	0.90	0.90	0.96	0.91	0.84	0.78	1242.0	a	1	1241.0	6.2	10	-	-	-	3.0	558	1,552	5,816	5,816	
College Heights Basin - West	0.74	0.74	0.75	0.83	0.92	1.00	0.90	0.90	0.96	0.91	0.84	0.78	1242.0	a	16	1226.0	3.3	10	-	-	-	2.0	198	551	2,064	2,064	
Montclair Basin 1	0.74	0.74	0.75	0.83	0.92	1.00	0.75	0.75	0.96	0.91	0.84	0.78	1128.2	b	1	1127.2	7.4	4	0.002	3.8	0.879	-	302	608	994	409	
Montclair Basin 2	0.74	0.74	0.75	0.83	0.92	1.00	0.75	0.75	0.96	0.91	0.84	0.78	1097.0	b	0	1097.0	11.6	4	0.0002	4.4	0.622	-	1,188	2,923	5,960	2,940	
Montclair Basin 3	0.74	0.74	0.75	0.83	0.92	1.00	0.75	0.75	0.96	0.91	0.84	0.78	1057.0	b	0	1057.0	4.3	4	0.002	3.2	0.625	-	280	572	964	400	
Montclair Basin 4	0.74	0.74	0.75	0.83	0.92	1.00	0.75	0.75	0.96	0.91	0.84	0.78	1037.0	b	2	1035.0	5.5	4	0.0005	1.4	0.720	-	270	702	1,609	915	
Eighth Street Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.50	0.50	0.96	0.91	0.84	0.78	1144.5	b	0	1144.5	17.0	2	-	-	-	0.7	357	993	3,426	3,426	
Seventh Street Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1130.0	c	0	1130.0	5.6	3	-	-	-	0.7	118	327	1,170	1,170	
Upland Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.90	0.90	0.96	0.91	0.84	0.78	1210.0	f	30	1180.0	13.2	10	0.00022	1.3	0.986	-	283	801	2,027	891	
Subtotal Management Zone 1																							3,939	10,058	26,429	19,689	
Ely	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	838.0	b	3	835.0	33.0	3	0.0001	1.2	0.511	-	948	2,578	6,274	4,501	
Etiwanda Debris Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.90	0.90	0.96	0.91	0.84	0.78	1605.0	d	0	1605.0	15.5	10	-	-	-	0.6	279	776	2,908	2,908	
Hickory Basin East	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1117.0	d	3	1114.0	4.1	3	-	-	-	0.7	86	239	856	856	
Hickory Basin West	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1115.0	d	1	1114.0	6.8	3	-	-	-	0.7	143	397	1,420	1,420	
Lower Day Basin Cell 1	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1379.8	e	1	1377.0	3.6	5	-	-	-	-	-	-	-	-	-
Lower Day Basin Cell 2	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1379.8	e	1	1372.0	4.9	5	0.0005	1.8	0.909	-	438	1,088	2,244	983	
Lower Day Basin Cell 3	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1379.8	e	1	1373.0	6.3	5	-	-	-	-	-	-	-	-	-
San Sevaine No. 1	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1488.7	d	0	1488.7	9.7	5	0.01	3.4	0.732	-	231	324	418	114	
San Sevaine No. 2	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1472.5	f	0	1472.5	8.5	5	0.0001	2.8	1.000	-	647	1,774	4,626	2,869	
San Sevaine No. 3	0.74	0.74	0.75	0.83	0.92	1.00	0.80	0.80	0.96	0.91	0.84	0.78	1458.0	f	0	1458.0	5.3	5	0.0001	2.8	1.000	-	403	1,132	3,126	2,226	
Turner Basin No. 1	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1000.0	b	2	998.0	12.7	3	0.002	2.0	0.698	-	424	785	1,172	577	
Turner Basin No. 2	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	990.5	b	1	989.5	3.9	3	0.0045	1.8	0.505	-	139	276	453	227	
Turner Basin No. 3	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	980.5	a	2	978.5	2.8	3	-	-	-	0.5	42	117	418	418	
Turner Basin No. 4A	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	980.5	a	2	978.5	6.6	3	-	-	-	-	99	274	981	981	
Turner Basin No. 4B	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	980.5	a	2	978.5	1.1	3	-	-	-	0.5	17	46	164	164	
Turner Basin No. 4C	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	980.5	a	2	978.5	1.3	3	-	-	-	-	19	53	191	191	
Victoria Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1323.9	b	1	1322.9	19.1	3	-	-	-	0.4	229	637	2,279	2,279	
Subtotal Management Zone 2																							4,144	10,497	27,528	20,713	
Banana Basin	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	1143.0	b	0	1143.0	7.5	3	-	-	-	0.8	180	501	1,790	1,790	
Declez Basin Cell 1	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	833.2	d	0	833.2	6.9	3	-	-	-	0.6	124	345	1,235	1,235	
Declez Basin Cell 2	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	831.0	d	1	830.0	4.6	3	-	-	-	-	83	230	823	823	
Declez Basin Cell 3	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	831.0	d	1	830.0	4.3	3	-	-	-	0.6	77	215	770	770	
IEUA RP3 Basin Cell 1	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	961.0	d	3	958.0	10.4	3	-	-	-	1.5	468	1,301	4,653	4,653	
IEUA RP3 Basin Cell 3	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	950.0	d	0	950.0	7.3	3	-	-	-	1.5	329	913	3,266	3,266	
IEUA RP3 Basin Cell 4	0.74	0.74	0.75	0.83	0.92	1.00	0.67	0.67	0.96	0.91	0.84	0.78	945.0	d	1	944.0	8.2	3	-	-	-	1.5	369	1,026	3,669	3,669	
Subtotal Management Zone 3																							1,630	4,532	16,204	16,204	
Totals																							9,713	25,088	70,162	56,606	

1 - Limiting control structure types are the following: a = inlet, b = spillway, c = flood control restriction, d = conservation berm, e = outlet, f = other restriction
2 - The term Maintenance as used in the table means maintenance activities that restore infiltration rates (removal of clogging layers followed by ripping or functionally equivalent activities).
3 - Infiltration rates were based either on an exponential decay function if data were available to develop such a function and its R² value was greater than 0.5 or the average long-term infiltration rate; both based on IEUA data and reported infiltration rates. This work will be documented in the 2018 Recharge Master Plan Update.
4 - Assumes recharge facility has been cleaned over the period of July to August, and is filled to operating level on September 1st. Average September operational availability factor applied.
5 - Maximum Theoretical Three-Month Recharge Total is the total recharge from the three-month period directly after a cleaning (September through November). Average operational availability factors applied.
6 - Maximum Theoretical Annual Recharge Total is the total recharge from the 10-month period directly after a cleaning (September through June). Average operational availability factors applied.
7 - Average annual recharge over span between maintenance. When recharge facilities are not being cleaned, operational availability is 1.0 for July and August. Average cleaning frequency of each recharge facility was provided by IEUA.



THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

DRAFT 2018 RMPU

Click on link below to access:

<https://cbwm.syncedtool.com/shares/file/4c4e22bab7b8d6/>

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

1 SCOTT S. SLATER (State Bar No. 117317)
BRADLEY J. HERREMA (State Bar No. 228976)
2 CHRISTOPHER R. GUILLEN (State Bar No. 299132)
BROWNSTEIN HYATT FARBER SCHRECK, LLP
3 1020 State Street
Santa Barbara, CA 93101-2711
4 Telephone: 805.963.7000
Facsimile: 805.965.4333
5 Attorneys for
CHINO BASIN WATERMASTER

7 JEAN CIHIGOYENETCHE (State Bar No. 105227)
JC LAW FIRM
8 5871 Pine Avenue, Suite 200
Chino Hills, CA 91709
9 Telephone: 909.214.6012
Attorneys for
10 **INLAND EMPIRE UTILITIES AGENCY**

11 SUPERIOR COURT OF THE STATE OF CALIFORNIA
12 FOR THE COUNTY OF SAN BERNARDINO

14 CHINO BASIN MUNICIPAL WATER
15 DISTRICT,

16 Plaintiff,

17 v.

18 CITY OF CHINO, et al.,

19 Defendant.

Case No. RCV RS51010

[Assigned for All Purposes to the Honorable
Stanford E. Reichert]

**NOTICE OF MOTION AND MOTION
FOR COURT APPROVAL OF 2018
RECHARGE MASTER PLAN UPDATE**

Date:
Time: 1:30 p.m.
Dept.: S35

[Filed concurrently herewith: Declaration of
Bradley J. Herrema; Declaration of Jean
Cihigoyenetcche; [Proposed] Order]

BROWNSTEIN HYATT FARBER SCHRECK, LLP
1020 State Street
Santa Barbara, CA 93101-2711

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

TO ALL PARTIES AND THEIR ATTORNEYS OF RECORD:

PLEASE TAKE NOTICE that on [DATE] at 1:30 p.m., or as soon thereafter as the matter may be heard, in Department S35 of the above entitled Court located at 247 West Third Street, San Bernardino, California 92415, the Chino Basin Watermaster and the Inland Empire Utilities Agency will and hereby do move the Court for an order approving the 2018 Recharge Master Plan Update (“2018 RMPU”). Approval of the 2018 RMPU is warranted as it conforms to and satisfies the requirements of the Peace Agreements, prior orders of this Court and the Restated Judgment.

This Motion is based on the Memorandum of Points and Authorities attached hereto, the Declarations of Bradley J. Herrema and Jean Cihigoyenetcche and the exhibits attached thereto filed concurrently herewith, the pleadings and papers on file in this case, and any oral argument the Court entertains on this matter.

Dated: September ____, 2018

BROWNSTEIN HYATT FARBER SCHRECK, LLP

By: _____
SCOTT S. SLATER
BRADLEY J. HERREMA
CHRISTOPHER R. GUILLEN
Attorneys for CHINO BASIN WATERMASTER

Dated: September ____, 2018

JC LAW FIRM

By: _____
JEAN CIHIGOYENETCHE
Attorneys for INLAND EMPIRE UTILITIES
AGENCY

1 **MEMORANDUM OF POINTS AND AUTHORITIES**

2 **I. INTRODUCTION**

3 The Chino Basin Watermaster (“Watermaster”) and the Inland Empire Utilities Agency
4 (“IEUA”) hereby jointly request the Court’s approval of the 2018 Recharge Master Plan Update
5 (“2018 RMPU”).¹ The 2018 RMPU complies with and satisfies the requirements in the Peace
6 Agreements, prior orders of this Court and the Restated Judgment. As such, the Court should
7 approve the 2018 RMPU.

8 **II. BACKGROUND**

9 **A. The Recharge Master Plan**

10 In its December 21, 2007 Order approving the Peace II Measures, the Court required
11 Watermaster to satisfy a number of conditions subsequent. Condition subsequent number eight
12 required Watermaster to update its Recharge Master Plan. The Restated Judgment operates on
13 the fundamental premise that, through the Physical Solution, overproduction can be replenished
14 with the recharge of supplemental water. Consequently, under the Restated Judgment, no party is
15 limited in the amount of groundwater that it may pump from the Basin, provided that sufficient
16 funds are provided by the parties to purchase available replenishment water to offset any pumping
17 above the Safe Yield of the Basin. (See Plaintiff’s Post Trial Memorandum, July 12, 1978, 5:5-
18 12.)

19 In broad terms, the purpose of the Recharge Master Plan is to articulate the manner in
20 which Watermaster will fulfill its responsibilities under the Restated Judgment to ensure that
21 groundwater production from the Chino Basin in excess of the Safe Yield is off-set, bucket for
22 bucket, by replenishment in accordance with the Physical Solution. Success is dependent upon
23 making projections in the Recharge Master Plan concerning anticipated production of
24 groundwater from the Basin, the availability of imported water supplies, and the facilities
25 necessary to make use of those imported supplies. (See Peace II Agreement, Article VIII.)

26 _____
27 ¹ A copy of the 2018 RMPU is attached to Exhibit C to the Declaration of Bradley J. Herrema,
28 filed concurrently with this Motion (“Herrema Decl.”), as Exhibit C to Watermaster’s Resolution
No. 2018-04, Resolution of the Chino Basin Watermaster Regarding the Adoption of the 2018
Recharge Master Plan Update.

1 In addition, Watermaster's discretion with regard to the manner in which recharge
2 activities are conducted is constrained by commitments made in the Peace I and Peace II
3 Agreements. Implementation of the Recharge Master Plan recommendations must satisfy these
4 commitments. (See, e.g., Peace II Agreement, ¶ 8.4.) Fundamentally, the purpose of the
5 Recharge Master Plan Update is to ensure that: (i) if at any time during the period when the
6 400,000 acre-feet of Basin Re-Operation water is being produced that water were to become
7 unavailable; and, (ii) when the 400,000 acre-feet has been exhausted under the Court authorized
8 schedule, then, Watermaster and the parties will have the ability to offset all overproduction.

9 B. Update Requirements for Recharge Master Plan

10 Section 8.1 of the Peace II Agreement requires that Watermaster and IEUA update the
11 Recharge Master Plan "to address how the Basin will be contemporaneously managed to secure
12 and maintain Hydraulic Control and subsequently operated at a new equilibrium at the conclusion
13 of the period of Re-Operation." (Peace II Agreement, § 8.1.)² The Recharge Master Plan must
14 contain recharge estimations and summaries of the projected water supply availability, as well as
15 the physical means to accomplish the projected recharge quantities. (*Id.*) Specifically, the Peace
16 II Agreement envisions that updates to the Recharge Master Plan will:

17 . . . reflect an appropriate schedule for planning, design, and
18 physical improvements as may be required to provide reasonable
19 assurance that following the full beneficial use of the groundwater
20 withdrawn in accordance with the Basin Re-Operation and
authorized controlled overdraft, that sufficient Replenishment
capability exists to meet the reasonable projections of Desalter
Replenishment obligations.

21 (*Id.*) The Peace II Agreement requires that Watermaster and IEUA update and amend the
22 Recharge Master Plan as frequently as necessary, and not less frequently than every five years.

23 (*Id.*)

24 C. Past Recharge Master Plan Updates

25 In the Court's December 21, 2007 order approving the Peace II Agreement, the Court

26 _____
27 ² A copy of Article VIII of the Peace II Agreement is attached to Exhibit C of the Declaration of
28 Bradley J. Herrema filed concurrently with this Motion, as Exhibit A to Watermaster's Resolution
No. 2018-04, Resolution of the Chino Basin Watermaster Regarding the Adoption of the 2018
Recharge Master Plan Update.

1 directed Watermaster to prepare and submit the first update to the Recharge Master Plan by July
2 1, 2010. Accordingly, on June 30, 2010, Watermaster submitted its 2010 Recharge Master Plan
3 Update (“2010 RMPU”). And, on October 8, 2010, the Court issued an order finding that the
4 2010 RMPU was responsive to the Court’s order approving the Peace II Agreement. (October 8,
5 2010 Order Approving Watermaster Compliance with Condition Subsequent Number Eight and
6 Approving Procedures to be Used to Allocate Surplus Agricultural Pool Water in the Event of a
7 Decline in Safe Yield (“October 8, 2010 Order”), 4:3-4.)

8 To address certain state legislation and in response to the recommendations in the 2010
9 RMPU and the October 8, 2010 Order, Watermaster submitted the 2013 Amendment to the 2010
10 Recharge Master Plan Update (“2013 RMPU”) to the Court on November 4, 2013.³ On
11 December 13, 2013, the Court issued an order approving the 2013 RMPU, except section 5
12 thereof, which was approved by the Court on April 25, 2014. (December 13, 2013 Order
13 Approving Watermaster’s 2013 Amendment to 2010 Update to Recharge Master Plan and
14 Intervention of TAMCO – Amended; April 25, 2014 Ruling and Order.)

15 Since the Court’s approval of the 2013 RMPU, the 2013 RMPU’s identified recharge
16 projects were refined during initial planning and design. (2018 RMPU, § 1.1.3, Table 1-1.) The
17 projects found to be feasible, once constructed, will provide a projected increase in stormwater
18 recharge of 4,800 acre-feet per year (“AFY”) and recycled water recharge capacity of 7,100 AFY.
19 (*Id.*) These projects are in the final design phase and are expected to be operational by 2021. (*Id.*
20 at §§ 1.1.3, 4.6, 4.7.)

21 **D. Development of the 2018 RMPU**

22 In compliance with the Peace II Agreement and the Court’s orders, Watermaster, with the
23 assistance of its consultant, Wildermuth Environmental, Inc. (“WEI”), began the process of
24 updating the Recharge Master Plan in February 2018. Specifically, Watermaster convened the
25 Recharge Master Plan Update Steering Committee (“Steering Committee”) in February 2018 and
26 held seven meetings for the Steering Committee from February to August to develop the 2018

27 ³ See the October 8, 2010 Order and Watermaster and IEUA’s Motion for Court Approval of
28 2013 Amendment to 2010 Recharge Master Plan Update; Request for Intervention by TAMCO
and the 2013 RMPU for further detail as to the need for and development of the 2013 RMPU.

1 RMPU. (Herrema Decl. at ¶ 3.) These meetings included discussions of: (1) changed conditions
2 in the Basin since the 2013 RMPU, (2) replenishment needs and capacity in the Basin, (3)
3 groundwater response to projected pumping, recharge and replenishment, (4) existing and
4 planned recharge facilities, (5) future recharge requirements, and (6) conclusions and
5 recommendations arising from the 2018 RMPU process. (*Id.* at ¶ 4.) The Steering Committee
6 also reviewed drafts of each section to the 2018 RMPU and provided comments thereon. (*Id.*)
7 IEUA participated in this process. (*Id.*)

8 While new recharge projects were considered during the development of the 2018 RMPU,
9 none were selected for implementation. (2018 RMPU, § 4.6, Table 4-7.) Rather, the 2018
10 RMPU concludes that the existing and planned recharge facilities, as identified in the 2013
11 RMPU and elsewhere, are sufficient to satisfy Watermaster’s obligations until the next Recharge
12 Master Plan Update in 2023. (*Id.* at §§ 1.4, 4.7, 6.) As such, the 2018 RMPU’s implementation
13 plan includes a recommendation that in fiscal year 2021/22, Watermaster “initiate a ‘call for
14 projects’ for the 2023 RMPU,” but that no new recharge projects be implemented as a result of
15 the 2018 RMPU. (*Id.* at § 6.3.)

16 **E. Watermaster and IEUA Approval of the 2018 RMPU**

17 The 2018 RMPU has been unanimously approved by both the Watermaster and IEUA
18 Boards. On September 13, 2018, the Watermaster Pool Committees reviewed the 2018 RMPU
19 and unanimously recommended that the Advisory Committee recommend the Watermaster Board
20 adopt the 2018 RMPU. (Herrema Decl. at ¶ 5.) On September 20, 2018, the Watermaster
21 Advisory Committee reviewed the 2018 RMPU and recommended that the Watermaster Board
22 adopt the 2018 RMPU. (*Id.* at ¶ 6.) And, at its regular meeting on September 27, 2018, the
23 Watermaster Board received a presentation on the 2018 RMPU, reviewed the Staff Report
24 regarding the 2018 RMPU and unanimously adopted Resolution 2018-04 Regarding the Adoption
25 of the 2018 Recharge Master Plan Update. (*Id.* at ¶¶ 7-10, Exs. A-C.) Watermaster further
26 authorized Watermaster legal counsel to move this Court for approval of the 2018 RMPU. (*Id.* at
27 ¶ 9.)

28 The Resolution included findings that:

- 1 • There exists sufficient recharge capacity to meet future replenishment obligations
2 identified in the 2013 RMPU. If Basin Re-Operation were terminated prior to
3 2030, Watermaster would be able to increase its replenishment activity in order to
4 maintain hydrologic balance within the Basin, in compliance with the Recharge
5 Master Plan.
- 6 • Watermaster and interested parties, through the Steering Committee, thoroughly
7 evaluated changed circumstances since the time of the 2013 RMPU and how these
8 changes affect the Recharge Master Plan, and this evaluation is included in
9 Sections 2 and 3 of the 2018 RMPU.
- 10 • Watermaster and interested parties, through the Steering Committee, thoroughly
11 evaluated the existing and planned recharge facilities in the Basin as compared to
12 the Basin's recharge needs, and this evaluation is included in Section 4 of the 2018
13 RMPU.
- 14 • Watermaster and interested parties, through the Steering Committee, considered
15 the need for future recharge capacity by comparing the projected future recharge
16 requirements of the Basin and physical capacity to achieve that requirement and
17 concluded that the existing recharge capacity and facilities on which it relies are
18 sufficient until the next Recharge Master Plan update in 2023. This evaluation is
19 included in Section 5 of the RMPU.
- 20 • Using the information and analysis contained in Sections 1 through 5 of the 2018
21 RMPU, Watermaster and interested parties, through the Steering Committee,
22 developed recommendations and an implementation plan for the 2018 RMPU,
23 which are included in Section 6 of the 2018 RMPU.
- 24 • The development of the 2018 RMPU complies with the requirements for an update
25 to the Recharge Master Plan.

26 (Herrema Decl. at ¶ 9, Ex. C.)

27 On the basis of these findings, the Board resolved that:

- 28 • The 2018 RMPU is based on sound technical analysis and adequately updates the

1 2013 RMPU in light of changed economic, legislative, and hydrologic conditions
2 within the State of California and in satisfaction of the Peace II Agreement and the
3 Court's Orders.

- 4 • Based upon the 2018 RMPU, there exists sufficient recharge capacity to meet
5 future replenishment obligations identified in the 2018 RMPU through 2050. If
6 Basin Re-Operation were terminated prior to 2030, Watermaster would be able to
7 increase its replenishment activity in order to maintain hydrologic balance within
8 the Basin, in compliance with the Recharge Master Plan.
- 9 • Watermaster adopts the 2018 RMPU as the guidance document for the further
10 development of the recharge facilities within the Basin.
- 11 • Pursuant to the Peace II Agreement Section 8.1, Watermaster and IEUA will
12 update the Recharge Master Plan not less frequently than once every five years.
13 The Plan will next be updated no later than 2023.

14 (Herrema Decl. at ¶ 9, Ex. C.)

15 At its September 19, 2018 regular Board meeting, the IEUA Board of Directors adopted
16 Resolution 2018-9-2, Resolution of the Board of Directors of the Inland Empire Utilities Agency,
17 San Bernardino County, California, Adopting the 2018 Update to the Recharge Master Plan,
18 approving the 2018 RMPU. (Declaration of Jean Cihigoyenette at ¶ 4, Ex. A.)

19 **III. THE COURT SHOULD APPROVE THE 2018 RMPU**

20 As described above, the 2018 RMPU satisfies the requirements of the Peace Agreements,
21 the prior orders of this Court and the Restated Judgment. The 2018 RMPU evaluates: (1)
22 changed circumstances in the Basin since the 2013 RMPU (2018 RMPU, §§ 2-3), (2) existing and
23 planned recharge facilities in the Basin as compared to recharge requirements (*Id.* at § 4), (3) the
24 need for future recharge capacity (*Id.* at § 5), and (4) recommendations and an implementation
25 plan for the 2018 RMPU (*Id.* at § 6). And, based on the 2018 RMPU, Watermaster found that
26 there exists sufficient recharge capacity to meet future replenishment obligations. In other words,
27 as required by the Peace II Agreement, the 2018 RMPU addresses “how the Basin will be
28 contemporaneously managed to secure and maintain Hydraulic Control and subsequently

1 operated at a new equilibrium at the conclusion of the period of Re-Operation.” (Peace II
2 Agreement, § 8.1.)

3 Furthermore, on the basis of the evidence before them – and which is before the Court
4 through this Motion – both the Watermaster and IEUA Boards made the specific findings set
5 forth in Resolutions 2018-04 and 2018-9-2 and reasonably concluded that the 2018 RMPU
6 satisfies the requirements of an amendment to the Recharge Master Plan. No party has objected
7 to and Watermaster is unaware of any party that opposes the Court’s approval of the 2018 RMPU.
8 (Herrema Decl., ¶ 11.)

9 **IV. CONCLUSION**

10 For the reasons stated above, Watermaster requests that the Court approve the 2018
11 RMPU and Watermaster’s use of the 2018 RMPU as its Recharge Master Plan.

12 Dated: September ____, 2018

BROWNSTEIN HYATT FARBER SCHRECK, LLP

13
14 By: _____

15 SCOTT S. SLATER
16 BRADLEY J. HERREMA
17 CHRISTOPHER R. GUILLEN
Attorneys for CHINO BASIN WATERMASTER

18 Dated: September ____, 2018

JC LAW FIRM

19
20 By: _____

21 JEAN CIHIGOYENETCHE
22 Attorneys for INLAND EMPIRE UTILITIES
23 AGENCY

24
25
26
27 17393929

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

1 SCOTT S. SLATER (State Bar No. 117317)
BRADLEY J. HERREMA (State Bar No. 228976)
2 CHRISTOPHER R. GUILLEN (State Bar No. 299132)
BROWNSTEIN HYATT FARBER SCHRECK, LLP
3 1020 State Street
Santa Barbara, CA 93101-2711
4 Telephone: 805.963.7000
Facsimile: 805.965.4333
5

6 Attorneys for
CHINO BASIN WATERMASTER

8 SUPERIOR COURT OF THE STATE OF CALIFORNIA
9 FOR THE COUNTY OF SAN BERNARDINO
10

11 CHINO BASIN MUNICIPAL WATER
12 DISTRICT,

13 Plaintiff,

14 v.

15 CITY OF CHINO, et al.,

16 Defendant.

Case No. RCV 51010

[Assigned for All Purposes to the Honorable
Stanford E. Reichert]

**DECLARATION OF BRADLEY J.
HERREMA IN SUPPORT OF MOTION
FOR COURT APPROVAL OF 2018
RECHARGE MASTER PLAN UPDATE**

Date:
Time: 1:30 p.m.
Dept.: S35

17
18
19 I, Bradley J. Herrema, declare as follows:

20 1. I am an attorney duly admitted to practice before all of the courts of this State, and
21 am a shareholder in the law firm of Brownstein Hyatt Farber Schreck, LLP, counsel of record for
22 Chino Basin Watermaster ("Watermaster"). I have personal knowledge of the facts stated in this
23 declaration, except where stated on information and belief, and if called as a witness, I could and
24 would competently testify to them under oath. I make this declaration in support of the above-
25 referenced motion.

26 2. As legal counsel for Watermaster, I am familiar with Watermaster's practices and
27 procedures, as well as actions taken by the Pool Committees, Advisory Committee and the
28 Watermaster Board of Directors ("Board").

1 3. Watermaster, with the assistance of its consultant, Wildermuth Environmental, Inc.
2 (“WEI”), began the process of updating the Recharge Master Plan in February 2018.

3 Watermaster convened the Recharge Master Plan Update Steering Committee in February 2018
4 and the Steering Committee held seven meetings, including one workshop, between February and
5 August 2018 to develop the 2018 Recharge Master Plan Update (“2018 RMPU”). I was in
6 attendance for portions of each of these meetings.

7 4. These Steering Committee meetings included discussions of: (1) changed
8 conditions in the Basin since the 2013 Amendment to the 2010 Recharge Master Plan Update, (2)
9 replenishment needs and capacity in the Basin, (3) groundwater response to projected pumping,
10 recharge and replenishment, (4) existing and planned recharge facilities, (5) future recharge
11 requirements, and (6) conclusions and recommendations arising from the 2018 RMPU process.
12 The Steering Committee also reviewed drafts of each section to the 2018 RMPU and provided
13 comments thereto. A representative of Inland Empire Utilities Agency participated in the
14 Steering Committee’s development and review of the 2018 RMPU.

15 5. At their September 13, 2018 regular meetings, the Watermaster Overlying
16 (Agricultural) Pool Committee, the Overlying (Non-Agricultural) Pool Committee, and the
17 Appropriative Pool Committee reviewed the 2018 RMPU and the members of each Committee
18 unanimously recommended that the Advisory Committee recommend that the Watermaster Board
19 adopt the 2018 RMPU and Resolution No. 2018-04.

20 6. At its September 20, 2018 regular meeting, the Watermaster Advisory Committee
21 reviewed the 2018 RMPU and recommended that the Watermaster Board adopt the 2018 RMPU
22 and Resolution No. 2018-04.

23 7. At its September 27, 2018 regular meeting, the Watermaster Board considered
24 approval and adoption of the 2018 RMPU pursuant to Resolution 2018-04, Resolution of the
25 Chino Basin Watermaster Regarding the Adoption of the 2018 Recharge Master Plan Update.

26 8. As part of its consideration of the adoption of Resolution 2018-04, the
27 Watermaster Board reviewed a Staff Report, prepared by Watermaster staff and consultants,
28 included in the agenda packet for the meeting. The Watermaster Board was also presented a

1 PowerPoint presentation by Watermaster staff and Watermaster’s hydrologic consultant from
2 WEI. Attached hereto as **Exhibit A** is a true and correct copy of the Staff Report included in the
3 September 27, 2018 Watermaster Board meeting agenda package. Attached hereto as **Exhibit B**
4 is a true and correct copy of the PowerPoint presentation presented to the Watermaster Board at
5 its September 27, 2018 meeting.

6 9. After receiving the presentation, reviewing the pertinent documents and hearing
7 any other comments, the Watermaster Board approved and adopted Resolution 2018-04,
8 Resolution of the Chino Basin Watermaster Regarding the Adoption of the 2018 Recharge Master
9 Plan Update. The Watermaster Board also directed Watermaster legal counsel to move this Court
10 for approval of the 2018 RMPU. Attached hereto as **Exhibit C** is a true and correct copy of
11 Watermaster Resolution 2018-04.

12 10. Watermaster Resolution 2018-04 includes a series of Exhibits thereto. Exhibit A
13 to Watermaster Resolution 2018-04 includes excerpts of Article VIII of the Peace II Agreement.
14 Exhibit B to Watermaster Resolution 2018-04 is a copy of the WEI opinion regarding adequacy
15 of replenishment capacity in the Basin, which the Watermaster Board adopted on November 16,
16 2017. Exhibit C to Watermaster Resolution 2018-04 is a copy of the 2018 RMPU.

17 11. I am unaware that any party has any objection to the Court’s approval of the 2018
18 RMPU.

19 I declare under penalty of perjury under the laws of the State of California that the
20 foregoing is true and correct.

21 Dated this ____ day of September, 2018, at Los Angeles, California.

22
23 _____
24 Bradley J. Herrema

25 17394197

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

1 SCOTT S. SLATER (State Bar No. 117317)
2 BRADLEY J. HERREMA (State Bar No. 228976)
3 CHRISTOPHER R. GUILLEN (State Bar No. 299132)
4 **BROWNSTEIN HYATT FARBER SCHRECK, LLP**
5 1020 State Street
6 Santa Barbara, CA 93101-2711
7 Telephone: 805.963.7000
8 Facsimile: 805.965.4333

9 Attorneys for
10 **CHINO BASIN WATERMASTER**

11 SUPERIOR COURT OF THE STATE OF CALIFORNIA
12 FOR THE COUNTY OF SAN BERNARDINO

13 CHINO BASIN MUNICIPAL WATER
14 DISTRICT,

15 Plaintiff,

16 v.

17 CITY OF CHINO, et al.,

18 Defendant.

Case No. RCV 51010

[Assigned for All Purposes to the Honorable
Stanford E. Reichert]

**DECLARATION OF JEAN
CIHIGOYENETCHE IN SUPPORT OF
MOTION FOR COURT APPROVAL OF
2018 RECHARGE MASTER PLAN
UPDATE**

Date:
Time: 1:30 p.m.
Dept.: S35

19 I, Jean Cihigoyenette, declare as follows:

20 1. I am an attorney duly admitted to practice before all of the courts of this State, and
21 am a partner in the law firm of JC Law Firm, counsel of record for the Inland Empire Utilities
22 Agency ("IEUA"). I have personal knowledge of the facts stated in this declaration, except where
23 stated on information and belief, and if called as a witness, I could and would competently testify
24 to them under oath. I make this declaration in support of the above-referenced motion.

25 2. As legal counsel for IEUA, I am familiar with IEUA's practices and procedures, as
26 well as actions taken by the IEUA Board of Directors ("Board").

27 3. On September 19, 2018, during its regularly scheduled meeting, the IEUA Board
28 considered approval and adoption of the 2018 Recharge Master Plan Update.

1 4. At its September 19, 2018 meeting, the IEUA Board adopted Resolution No.
2 2018-9-2, Resolution of the Board of Directors of the Inland Empire Utilities Agency, San
3 Bernardino County, California , Adopting the 2018 Update to the Recharge Master Plan,
4 approving the 2018 Recharge master Plan Update. Attached hereto as **Exhibit A** is a true and
5 correct copy of IEUA Resolution No. 2018-9-2.

6 I declare under penalty of perjury under the laws of the State of California that the
7 foregoing is true and correct.

8 Dated this _____ day of September, 2018, at Chino Hills, California.

9
10 _____
11 Jean Cihigoyenette

12
13
14
15 17394077

DRAFT

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

SUPERIOR COURT OF THE STATE OF CALIFORNIA
FOR THE COUNTY OF SAN BERNARDINO

CHINO BASIN MUNICIPAL WATER
DISTRICT,

Plaintiff,

v.

CITY OF CHINO, et al.,

Defendant.

Case No. RCV 51010

[Assigned for All Purposes to the Honorable
Stanford E. Reichert]

**[PROPOSED] ORDER APPROVING
WATERMASTER'S 2018 RECHARGE
MASTER PLAN UPDATE**

Date:
Time: 1:30 p.m.
Dept.: S35

1 On [DATE], Chino Basin Watermaster (“Watermaster”) and Inland Empire Utilities
2 Agency’s (“IEUA”) Motion for Court Approval of the 2018 Recharge Master Plan Update came
3 on regularly for hearing in the above-captioned matter. Having read, reviewed, and considered all
4 pleadings filed in support and in response, if any, including the testimony presented at the
5 [DATE] hearing, and good cause appearing therefore, the Motion is **GRANTED** and the Court
6 Orders as follows:

7 (1) The Court finds that the 2018 Recharge Master Plan Update (“2018 RMPU”)
8 satisfies the requirements of the Peace II Agreement, prior orders of this Court, and the Restated
9 Judgment; and,

10 (2) The Court approves Watermaster proceeding with the 2018 RMPU as the effective
11 Recharge Master Plan, as updated.

12
13
14 Dated: _____

_____ The Hon. Stanford E. Reichert

15
16 17394237
17
18
19
20
21
22
23
24
25
26
27
28

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

**C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR
COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE
ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM (CBEWP)
EVALUATION AND CONCEPTUAL DESIGN SUPPORT**



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 27, 2018
TO: Board Members
SUBJECT: Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (CBEWP) Evaluation and Conceptual Design Support. (Business Item II.C.)

SUMMARY

Issue: IEUA is requesting assistance from Watermaster on the CBEWP Proposition 1 evaluation and conceptual design.

Recommendation: Approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support and authorize the General Manager to execute the agreement on behalf of Watermaster.

Financial Impact: None

Future Consideration

Watermaster Board – September 27, 2018: Approve and authorize GM to execute (Advisory Committee approval required)

ACTIONS:

Appropriative Pool – September 13, 2018: Unanimously recommended Advisory Committee approval

Non-Agricultural Pool – September 13, 2018: Unanimously approved recommendation as presented and directed the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate

Agricultural Pool – September 13, 2018: Unanimously recommended Advisory Committee approval

Advisory Committee – September 20, 2018: Unanimously approved

Watermaster Board – September 27, 2018:

BACKGROUND

The Inland Empire Utilities Agency is analyzing the feasibility of a Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (CBEWP). The proposed operation of the CBEWP is as follows:

- The advanced water treatment facility will recharge (“put”) up to 15,000 AFY of treated water into the groundwater basin and store under the Chino Basin Water Bank (CBWB). The maximum storage capacity reserved for the CBEWP is 100,000 AF.
- During a pump back (“take”) provision, the project would pump up to 50,000 AFY from the CBWB. The water would be delivered to the partnering State Water Project Contractor (SWPC), potentially MWD, and pumped into their existing distribution system for use within Southern California. An equivalent amount of water would then be exchanged with the SWPC. The exchange would leave behind water in Lake Oroville storage. The project can pump up to 50,000 AF of water for up to three consecutive dry year.

IEUA requests assistance from CBWM and its Engineer, WEI, to study the feasibility and acquire the technical knowledge to support the conceptual design and development of the CBEWP.

On September 28, 2017 Watermaster and IEUA entered into a Master Agreement for Collaborative Projects. New Task Orders are issued when a new project is identified.

DISCUSSION

The purpose of Task Order No. 4 (Attachment 1) is for IEUA to acquire technical information to enable it to assess feasibility and conceptual development of the Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (“CBEWP”). IEUA is in the process of developing a Feasibility Study for the CBEWP to determine optimized “Pump Back” facilities (advanced water treatment, recharge and/or injection facilities, production wells, and associated transmission systems) from the Chino groundwater basin to the Metropolitan Water District of Southern California (MWD). This task order will provide information to help IEUA identify the most feasible and optimized siting of an advanced water treatment facility, corresponding recharge facilities (surface spreading, injection or a combination) and groundwater extraction wells in the Chino groundwater basin.

The estimated expenses for this Task Order are \$190,568.00 and will be reimbursed in its totality to Watermaster by IEUA.

On September 13, 2018 the item was presented to the three Pools and it was approved unanimously with a change requested by the Appropriative Pool to reflect that the CBWEP storage is “proposed” not “reserved”.

On September 20, 2018 the item was presented to the Advisory Committee and it was unanimously approved.

ATTACHMENTS

1. Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.
2. Exhibit A: Scope of Work

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

TASK ORDER NO. 4

**CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM
EVALUATION AND CONCEPTUAL DESIGN SUPPORT**

This Task Order is made and entered into as of the ____ day of September, 2018 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 between Chino Basin Watermaster and Inland Empire Utilities Agency Regarding Management of Collaborative Projects dated September 28, 2017 ("Master Agreement") 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 manner in which Watermaster's consultant will perform work allowing IEUA to acquire technical information to enable it to assess feasibility and conceptual development of the Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program ("CBEWP"). IEUA is in the process of developing a Feasibility Study for the CBEWP to determine optimized "Pump Back" facilities (advanced water treatment, recharge and/or injection facilities, production wells, and associated transmission systems) from the Chino groundwater basin to the Metropolitan Water District of Southern California (MWD). The work performed pursuant to this Task Order will provide information to help IEUA identify the most feasible and optimized siting of an advanced water treatment facility, corresponding recharge facilities (surface spreading, injection or a combination) and groundwater extraction wells in the Chino groundwater basin.

The proposed CBEWP operation is as follows:

- The advanced water treatment facility will recharge ("put") up to 15,000 AFY of treated water into the groundwater basin and store under the Chino Basin Water Bank (CBWB). The maximum storage capacity reserved for the CBEWP is 100,000 AF.
- During a pump back ("take") provision, the project would pump up to 50,000 AFY from the CBWB. The water would be delivered to the partnering State Water Project Contractor (SWPC), potentially MWD, and pumped into their existing distribution system for use within Southern California. An equivalent amount of

water would then be exchanged with the SWPC. The exchange would leave behind water in Lake Oroville storage. The project can pump up to 50,000 AF of water for up to three consecutive dry years.

2. SCOPE

As related to this Task Order, the CBEWP evaluation and conceptual design support is attached hereto as **Exhibit A**.

The evaluation and conceptual design support scope of work will include, but is not limited to the following activities:

- Coordination and meetings with IEUA and its consultants;
- Review of associated information (memoranda, modeling, etc.);
- Application of the 2017 Watermaster Model to evaluate the basin response to CBEWP project alternatives; and
- Other associated effort.

The product of the work described in Exhibit A is a “snapshot” evaluation as of the time the evaluation is conducted, based on the assumptions made at the time of the evaluation. Such work is not a guarantee of any future result or any future finding by Watermaster, WEI, or any other Watermaster staff, agent, or consultant, and IEUA acknowledges that the result of a similar analysis could be different in the future, based on changes occurring between the time of the two analyses, or based on updated assumptions at the time of a later analysis.

3. IEUA RESPONSIBILITIES

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

- Engagement and management of consulting services as needed;
- Coordination and communication with the project team;
- Providing access to associated available information and data; and,
- Payment of consultant invoices.

4. WATERMASTER RESPONSIBILITIES

Watermaster, with the assistance of WEI, agrees that it and its employees and consultants will cooperate with IEUA and the project consultants in the performance of services under this Task Order and, to the extent possible, 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 total projected cost for the activities to be undertaken pursuant to this Task Order is One hundred ninety-eight thousand five hundred sixty-eight dollars (\$190,568) ("Budget"). The Parties agree that the Budget is carried in its entirety by IEUA, and that Watermaster will bear no costs related to the project.

Entity	Total
Watermaster	\$0
IEUA	\$190,568
Total	\$190,568

6. TOTAL BUDGETED COST

The Parties agree to pay their respective portion of the total costs. The Parties shall not be required to pay more than \$190,568 ("Total Budgeted Cost").

7. MAXIMUM COSTS TO WATERMASTER

The costs to be required of Watermaster under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$0.

8. MAXIMUM COSTS TO IEUA

The costs to be required of IEUA under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$190,568.

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 Watermaster's receipt of IEUA's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

IEUA's reimbursement of Watermaster's work performed under this Task Order shall be as provided in Article 3 of the September 2017 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 4 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, PE
General Manager

INLAND EMPIRE UTILITIES AGENCY

By _____
HALLA RAZAK, PE
General Manager

DRAFT



September 6, 2018

Chino Basin Watermaster
 Attention: Mr. Peter Kavounas
 9641 San Bernardino Road
 Rancho Cucamonga, CA 91730

Subject: Proposal to provide engineering services to develop and provide information to IEUA to help them develop a refined set of project alternatives for the proposed the Chino Basin Conjunctive-Use Environmental Water Storage/Exchange Project (CBEWP).

Dear Mr. Kavounas:

There was a meeting on August 29, 2018, with Watermaster and IEUA staffs to discuss IEUA's request for technical information to assist them in the evaluation of the proposed CBEWP. After some discussion, you directed Edgar Tellez-Forster to work with IEUA staff and Watermaster legal counsel to develop a task order that would contain a technical scope of work and cost to provide that assistance. This letter is the technical scope of work and cost estimate for that task order.

IEUA issued an RFP in March 2018 for hydrogeologic services for the CBEWP project and subsequently awarded the work to a team consisting of Thomas Harder and Company and Michael Baker (hereafter TH). TH proposed three tasks that included:

- Task 1 Data Review and Preliminary Evaluation
- Task 2 Project Alternative Development and Evaluation
- Task 3 (Optional) Siting Study and Preliminary Design

On August 30, 2018, Watermaster staff attended a meeting at IEUA to review the Task 1 work completed by TH. Task 1 has been completed and the work was documented in the TM 1 report and the associated August 30, 2018 PowerPoint presentation. TH is about to start work in Task 2. TH's scope of work for Task 2 includes three subtasks that include:

- Task 2.1 Alternatives analysis (assumes ten project alternatives)
- Task 2.2 Preparation of Technical Memorandum No. 2
- Task 2.3 Progress meetings (assumes two progress meetings and one workshop in Chino)

Task 2.1, as described by TH at August 30, 2018 meeting, involves: the construction of an analytical model(s) of the Chino Basin¹; the detailed formulation of ten alternatives (detailed

¹ The exact text of the proposed modeling work reads as follows: "In order to evaluate potential regulatory compliance for injection wells, impacts on existing plumes, and pumping interference, TH&Co will use an analytical model for the area specific to each alternative." Page 7 of the TH April 2018 proposal.

enough to conduct simulations of them with the analytical model); application of the analytical model to assess basin response; post-processing of the model results to estimate basin responses; and the development an application of a ranking process to score and prioritize the alternatives. TH has estimated this task to cost about \$149,000.

TH proposed that the analytical model be created from scratch using information from the 2011 version of the Chino Basin groundwater model. Based on discussion at the August 30, 2018 meeting, TH was unaware of the updated 2017 Watermaster model, updated planning information, and the Storage and Recovery scenarios analysis completed for the Storage Framework investigation.

The Storage Framework investigation produced an updated planning model (2017 Watermaster mode) that can be used to efficiently evaluate the proposed CBEWP alternatives and provide information that can be used in a Storage and Recovery Agreement application. The Storage Framework investigation developed planning information and related tools that can be used to efficiently develop the CBEWP alternatives consistent with the information used in the development of the SF scenarios; reduce the number of CBEWP alternatives that need to be evaluated; and accelerate the rate of learning and project development.

At our follow up call on August 31, 2018, you suggested that WEI create a table that compares the work proposed by TH that can be done by WEI with the updated Chino Basin model; and, based on that table create a scope and cost proposal that could be included in a Task Order where WEI would conduct the modeling work and provide other as needed support to enable TH to complete their work for IEUA. Table 1: lists the proposed TH Task 2 subtasks; indicates a specific subtask where Watermaster can employ its updated planning data and the 2017 Watermaster model to improve the reliability and usefulness of the Task 2 products; and it provides a set of comments for each TH Task 2 subtasks where the work done in the Storage Framework investigation could be leveraged to improve the efficiency of TH's Task 2 effort.

Proposed Scope of Work

Table 2 contains a work breakdown structure and cost estimate for Watermaster to provide the modeling support to IEUA as indicated in Table 1. The scope of work includes three tasks:

- Task 1 - Project management. This task involves WEI project management activities and includes up to three ad hoc meetings.
- Task 2 - As-requested services. This task involves WEI responding to ad hoc requests for information or assistance.
- Task 3 - Application of the 2017 Watermaster Model and updated planning information to evaluate the basin response to CBEWP project alternatives. This task involves the following:
 - Assisting IEUA and TH in converting a conceptual alternative description into a detailed description that can modeled
 - Development of recharge and pumping schedules for specific facilities to implement the CBEWP alternative

- Developing model input files, getting the model to run and debugging the model to ensure that the alternative has been correctly modeled. Conducting iterative simulations to converge on net recharge and replenishment.
- Post processing final simulation results to develop a final water budget table, assess state of hydraulic control, preparation of groundwater elevation and groundwater elevation change maps
- Reviewing the simulation results with IEUA and TH staffs

For budgeting purposes, we have assumed that seven alternatives would be simulated with the 2017 Watermaster groundwater flow model. After all the CBEWP alternatives have been simulated with the 2017 Watermaster groundwater flow model, IEUA, Watermaster, TH and WEI will select up to three of the CBEWP alternatives for which WEI will use the MT3D model to estimate impact of CBWEP alternatives on the transport of the major plumes in the Chino Basin. WEI will post process the MT3D model results and prepare map graphics identical that those prepare for the Storage Framework investigation report (plume positions in 2030 and 2050 for the three CBEWP alternatives and the for the Storage Framework scenario 1A (baseline)).

The deliverable for Task 3 will be: model output files; and tables, charts and maps comparable to those produced in Section 6 of the Storage Framework final report and Appendix B from that report.

The cost to complete the work as proposed is about \$170,000. We recommend that you budget an additional \$20,000 for contingencies. If you have any questions regarding this proposal, please call me at 949-600-7500 or send them to me at mwildermuth@weewater.com.

Very truly yours,

Wildermuth Environmental, Inc.



Mark Wildermuth, PE
President

Encl.: Tables 1 and 2

Summary of TH Task 2 Subtasks and Where Watermaster Staff Could Assist IEUA and TH

TH proposed task	Watermaster WEI proposed task	Comment
Develop general facility sizing, quantities, and issues impacting construction costs for either a centrally located treatment plant or a satellite plant, depending on the alternative.		
Identification of a sufficient number of injection well sites to meet the injection capacity requirements of the CBEWP taking into account anticipated maintenance and rehabilitation down time.		The Storage Framework investigation evaluated the location of injection well areas based on an integrated assessment of the recovery of recharged, reductions in net recharge, impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of spreading basin alternatives.. TH could use this work to fine tune its work and reduce the number of alternatives.
Identification of existing and/or new recharge basins for PUT operations. Issues to be evaluated will include environmental restrictions, capacity limits with respect to storm flow obligations, recharge infiltration rates, and location with respect to existing downgradient production wells.		The Storage Framework investigation evaluated the use of existing recharge basins based on recent estimates of surplus recharge capacity (consistent with the 2018 RMPU), it considered conflicts with other spreading basins uses, and it conducted an integrated assessment of the recovery of recharged, reductions in net recharge impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of spreading basin alternatives.
Evaluation of the relative cost of using injection wells versus surface spreading basins.		There are other issues that need to be considered regarding the trade offs of using recharge basins and injection wells. These were evaluated in the Storage Framework investigation (see above) and could be used by TH to fine tune their alternatives and reduce the number of alternatives investigated.
Identification of a sufficient number of production well sites to meet the TAKE capacity requirements of the CBEWP.		The Storage Framework investigation evaluated the location of recovery well areas based on an integrated assessment of the recovery of recharged, reductions in net recharge, impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of alternatives.
Evaluation of the feasibility of reducing baseline imported water deliveries and increasing groundwater pumping from existing and/or new production wells (Alternative No. 7).		The Storage Framework investigation evaluated the existing under used capacity of Appropriator party wells that could be used to offset the use of imported water as a means to recover stored supplemental water. TH could use this work to fine tune its work and reduce the number of alternatives.
In order to evaluate potential regulatory compliance for injection wells, impacts on existing plumes, and pumping interference, TH&Co will use an analytical model for the area specific to each alternative. The analytical model will provide the requisite level of analysis for the feasibility study and can be conducted within the 20-week schedule described in the RFP.	The existing Watermaster model (hereafter the 2017 Watermaster model) has been recently been updated with the latest groundwater production and recharge projections and used in the Storage Framework investigation. WEI could use the 2017 Watermaster model to evaluate the alternatives developed by TH in lieu of TH developing and applying analytical models for each alternative. The resulting analysis will more accurately predict the basin response, ensure its consistency with the Storage Framework planning scenarios and maximize confidence in the Task 2	TH proposal provides no description of scope of work to develop his analytical model nor do they describe the scope of work to evaluate basin response and impacts. The TH scope of work is described in bullet form in their August 30, 2018 PowerPoint presentation. The scope as presented is based on outdated WATERmaster model assumptions and ignores: the updated 2017 Watermaster model, updated planning information and Storage and Recovery scenarios analysis completed for the Storage Framework investigation.

Table 2
Work Breakdown Structure and Fee Estimate
Provide Modeling Support and As-Needed Services for the CBEWP

Description	Notes	Labor (person days)								Other Direct Charges				Total Project Costs				
		Principal III	Principal I	Supervising I	Senior II	Senior I	Staff I	Tech Editor	Task Rep Multiplier	Person Days	Total Labor		Travel	Reproduction	Total ODCs		Task	Project
											Cost	Project			Task	Project		
Task 1 Project management and meetings											\$10,116				\$600		\$10,716	
1.1 Project management and scheduling								3.00	1.50	\$2,124						\$2,124		
1.2 Ad hoc meetings with Watermaster staff		0.25	0.25					6.00	4.50	\$7,992	\$600		\$600		\$8,592			
Task 2 Provide as-needed assistance to TH, IEUA and Watermaster staffs		5						5	1	\$17,200	\$17,200			\$0	\$17,200	\$17,200		
Task 3 Application of the 2017 Watermaster Model to evaluate the basin response to CBEWP project											\$142,552			\$100	\$142,652			
3.1 Define and evaluate a CBEWP project alternative																		
3.1.1 Review CBEWP project alternative with TH, IEUA and Watermaster staffs		0.50						7.00	7.00	\$12,040	\$100		\$100		\$12,140			
3.1.2 Update list of wells and pumping and injection schedule			0.50					7.00	5.25	\$9,086					\$9,086			
3.1.3 Update recharge at spreading basins			0.50					7.00	5.25	\$9,086					\$9,086			
3.1.4 Prepare input files			1.50					7.00	10.50	\$19,824					\$19,824			
3.1.5 Get the model to run			0.50					7.00	3.50	\$6,608					\$6,608			
3.1.6 Construct water budget table(s) and estimate net recharge		0.25	1.00					7.00	10.50	\$19,236					\$19,236			
3.1.7 Evaluate state of hydraulic control		0.13	0.50					7.00	4.38	\$8,379					\$8,379			
3.1.8 Prepare head raster files, GWE and GWE change maps, GWE time history charts		0.13	0.50					7.00	5.25	\$9,618					\$9,618			
3.1.9 Review results with TH, IEUA and Watermaster staffs		1.00	1.00					7.00	21.00	\$37,296					\$37,296			
3.2 Evaluate CBEWP project alternative impacts on major plumes																		
Prepare MT3D input files			0.50					3.00	1.50	\$2,832					\$2,832			
Get the model to run			0.50					3.00	1.50	\$2,832					\$2,832			
Prepare concentration raster files		0.13	0.50					3.00	3.38	\$5,715					\$5,715			
Total Tasks 1 through 3		20.88	48.00	0.00	0.00	26.13	0.00	0.00	85.00	\$169,868	\$700	\$0	\$700		\$170,568			

THIS PAGE
HAS
INTENTIONALLY
BEEN LEFT
BLANK
FOR PAGINATION

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for August 2018

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	08/01/2018	20924	ACCENT COMPUTER SOLUTIONS, INC.	122798	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	122798		Monthly Service- August 2018	6052.4 · IT Managed Services	4,226.00
				Overwatch - August 2018	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud- August 2018	6052.5 · IT Data Backup/Storage	96.00
				Office 365 subscriptions- August 2018	6054 · Computer Software	49.80
TOTAL						5,070.80
Bill Pmt -Check	08/01/2018	20925	CENTURYLINK	71851276	1012 · Bank of America Gen'l Ckg	
Bill	07/24/2018	71851278		7/17/18-8/16/18	6053 · Internet Expense	1,050.47
TOTAL						1,050.47
Bill Pmt -Check	08/01/2018	20926	COMPUTER NETWORK	103861	1012 · Bank of America Gen'l Ckg	
Bill	07/24/2018	103861		Hard drive repair for 2 laptops	6055 · Computer Hardware	528.00
TOTAL						528.00
Bill Pmt -Check	08/01/2018	20927	EUROFINS EATON ANALYTICAL	L0401772	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	L0401772		L0401772	7108.4 · Hydraulic Control-Lab Svcs	1,240.00
TOTAL						1,240.00
Bill Pmt -Check	08/01/2018	20928	LOEB & LOEB LLP	1778682	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	1778682		Non-Ag Pool Legal Services - June 2018	8567 · Non-Ag Legal Service	8,413.20
TOTAL						8,413.20
Bill Pmt -Check	08/01/2018	20929	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	07/24/2018	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	776.96
TOTAL						776.96
Bill Pmt -Check	08/01/2018	20930	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	1970970-17		Final premium statement for 2017	60183 · Worker's Comp Insurance	550.99
TOTAL						550.99
Bill Pmt -Check	08/01/2018	20931	THE HOWARD E. NYHART COMPANY, INC.	0141317	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	0141317		FYE 6/30/2018 GASB 75 Report	6062.5 · Audit Support Services	4,250.00
TOTAL						4,250.00
Bill Pmt -Check	08/01/2018	20932	ULLOA, EUNICE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/14/2018	6/14 Appro Pool Mtg		6/14/18 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	06/21/2018	6/21 Advisory Comm		6/21/18 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board meeting	6311 · Board Member Compensation	125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						375.00
Bill Pmt -Check	08/01/2018	20933	UNITED HEALTHCARE	052515168889	1012 · Bank of America Gen'l Ckg	
Bill	07/24/2018	052515168889		Dental Insurance Premium - August 2018	60182.2 · Dental & Vision Ins	688.74
TOTAL						688.74
Bill Pmt -Check	08/01/2018	20934	VERIZON WIRELESS	9810841828	1012 · Bank of America Gen'l Ckg	
Bill	07/24/2018	9810841828		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
Bill Pmt -Check	08/01/2018	20935	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	06/28/2018	6/28 Board Mtg		6/28/18 Board Meeting - Galleano attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	08/02/2018	20936	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	06/30/2018	2018177		2018177	6906.31 · OBMP-Pool, Adv. Board Mtgs	11,843.96
Bill	06/30/2018	2018178		2018178	6906.32 · OBMP-Other General Meetings	2,247.65
Bill	06/30/2018	2018179		2018179	6906.74 · OBMP-Mat'l Phy. Injury Requests	2,086.60
Bill	06/30/2018	2018180		2018180	6906.71 · OBMP-Data Req.-CBWM Staff	2,949.60
Bill	06/30/2018	2018181		2018181	6906 · OBMP Engineering Services	1,986.10
Bill	06/30/2018	2018182		2018182	6906.81 · Prepare Annual Reports	120.50
Bill	06/30/2018	2018183		2018183	7103.3 · Grdwtr Qual-Engineering	12,953.00
Bill	06/30/2018	2018184		2018184	7104.3 · Grdwtr Level-Engineering	27,629.33
Bill	06/30/2018	2018185		2018185	7107.2 · Grd Level-Engineering	12,427.50
Bill	06/30/2018	2018186		2018186	7107.2 · Grd Level-Engineering	1,558.84
Bill	06/30/2018	2018187		2018187	7108.31 · Hydraulic Control - PBHSP	984.80
Bill	06/30/2018	2018188		2018188	7202.2 · Engineering Svc	587.06
Bill	06/30/2018	2018189		2018189	7402 · PE4-Engineering	12,579.25
Bill	06/30/2018	2018190		2018190	7402.10 · PE4 - Northwest MZ1 Area Proj.	4,839.65
Bill	06/30/2018	2018191		2018191	7510 · PE6&7-IEUA Salinity Mgmt. Plan	26,240.90
Bill	06/30/2018	2018192		2018192	7602 · PE8&9-Engineering	22,748.40
Bill	06/30/2018	2018193		2018193	6906.27 · HCP Mtgs/Tech. Review-IEUA Cost	2,579.50
TOTAL						146,362.64
Bill Pmt -Check	08/03/2018	ACH 080318	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	07/28/2018	07/28/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 07/15/18-07/28/18	2000 · Accounts Payable	6,886.20
TOTAL						6,886.20
Bill Pmt -Check	08/07/2018	ACH 080718	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	07/16/2018	1394905143		1394905143	60182.1 · Medical Insurance	7,827.63

P 136

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						7,827.63
Bill Pmt -Check	08/07/2018	20937	ACCENT COMPUTER SOLUTIONS, INC.	122920	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	122920		Workstation-Gregory-Balance Due	6055 · Computer Hardware	899.20
TOTAL						899.20
Bill Pmt -Check	08/07/2018	20938	CHEF DAVE'S CAFE & CATERING	8361	1012 · Bank of America Gen'l Ckg	
Bill	07/26/2018	8361		Lunch for 7/26/18 Watermaster Board meeting	6312 · Meeting Expenses	681.50
TOTAL						681.50
Bill Pmt -Check	08/07/2018	20939	CHINO CHAMPION NEWSPAPER	8043	1012 · Bank of America Gen'l Ckg	
Bill	07/16/2018	8043		Subscription-Chino Champion newspaper-1 year	6112 · Subscriptions/Publications	35.00
TOTAL						35.00
Bill Pmt -Check	08/07/2018	20940	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
P137						
Bill Pmt -Check	08/07/2018	20941	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board Meeting	6311 · Board Member Compensation	125.00
Bill	07/26/2018	7/26 Board Mtg		7/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	08/07/2018	20942	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/05/2018	7/05 Exec Committee		7/05/18 Pool Chair & Executive Committee Mtg.	6311 · Board Member Compensation	125.00
Bill	07/12/2018	7/12 Admin Mtg		7/12/18 Administrative & Check Signing Meeting	6311 · Board Member Compensation	125.00
Bill	07/19/2018	7/19 Executive Comm		7/19/18 Pool Chair & Executive Committee Mtg.	6311 · Board Member Compensation	125.00
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board Meeting	6311 · Board Member Compensation	125.00
Bill	07/24/2018	7/24 Admin Mtg		7/24/18 Administrative & GM Meeting	6311 · Board Member Compensation	125.00
Bill	07/26/2018	7/26 Board Mtg		7/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						750.00
Bill Pmt -Check	08/07/2018	20943	PARKER, KATHERINE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/26/2018	7/26 Board Mtg		7/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	08/07/2018	20944	PAYCHEX	2018072600	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	2018072600		July 2018	6012 · Payroll Services	440.47
TOTAL						440.47

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	08/07/2018	20945	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/19/2018	7/19 Ag Pool Mtg		7/19/18 Ag Pool Meeting	8411 · Compensation	25.00
				7/19/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	08/07/2018	20946	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	0023230253		Office Water Bottle - July 2018	6031.7 · Other Office Supplies	79.26
TOTAL						79.26
Bill Pmt -Check	08/07/2018	20947	RR FRANCHISING, INC.	59463	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	59463		Janitorial Service - August 2018	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	08/07/2018	20948	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	1970970-18		Monthly premium 7/26/18-8/26/18	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	08/07/2018	20949	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	001017890001		Vision Insurance Premium - August 2018	60182.2 · Dental & Vision Ins	63.18
TOTAL						63.18
Bill Pmt -Check	08/07/2018	20950	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board Mtg. - Galleano attendance	6311 · Board Member Compensation	125.00
Bill	07/26/2018	7/26 Board Mtg		7/26/18 Board Meeting - Galleano attendance	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	08/07/2018	20951	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	08-k2 213849		Disposal Service - August 2018	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
General Journal	08/11/2018	08/11/2018	Payroll and Taxes for 07/29/18-08/11/18	Payroll and Taxes for 07/29/18-08/11/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 07/29/18-08/11/18	1012 · Bank of America Gen'l Ckg	26,605.90
				Payroll Taxes for 07/29/18-08/11/18	1012 · Bank of America Gen'l Ckg	8,968.54
			ICMA-RC	457(b) Employee Deductions for 07/29/18-08/11/18	1012 · Bank of America Gen'l Ckg	4,541.43
			ICMA-RC	401(a) Employee Deductions for 07/29/18-08/11/18	1012 · Bank of America Gen'l Ckg	1,311.76
TOTAL						41,427.63
Bill Pmt -Check	08/14/2018	20952	ACCENT COMPUTER SOLUTIONS, INC.		1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	122947		RAM for AN desktop	6055 · Computer Hardware	204.77
Bill	07/31/2018	123011		Progress invoice Cloud Storage-FTP Replacement	6052.6 · IT Services/Projects	1,200.00

P 138

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						1,404.77
Bill Pmt -Check	08/14/2018	20953	ACWA JOINT POWERS INSURANCE AUTHORITY	0567715	1012 · Bank of America Gen'l Ckg	
Bill	08/08/2018	0567715		Prepayment - September 2018	1409 · Prepaid Life, BAD&D & LTD	207.62
				August 2018	60191 · Life & Disab.Ins Benefits	224.74
TOTAL						432.36
Bill Pmt -Check	08/14/2018	20954	APPLIED COMPUTER TECHNOLOGIES	2994	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	2994		Database Consulting Services - July 2018	6052.2 · Applied Computer Technol	3,900.00
TOTAL						3,900.00
Bill Pmt -Check	08/14/2018	20955	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	XXXX-XXXX-XXXX-9341		Miscellaneous office supplies	6031.7 · Other Office Supplies	298.43
				50% deposit-Gregory workstation	6055 · Computer Hardware	899.20
				Printer for front office	6055 · Computer Hardware	289.85
				Farewell lunch for R. Zapien	6141.3 · Admin Meetings	96.04
				Printer for Sr. Accountant office	6055 · Computer Hardware	462.25
				Employee recruitment CVI's	6016 · New Employee Search Costs	520.00
				Employee recruitment CVI's	6016 · New Employee Search Costs	200.00
				Printer for CFO office	6055 · Computer Hardware	317.85
				Miscellaneous office supplies	6031.7 · Other Office Supplies	252.62
				PK meeting w/T. Layton, V. Jew	8312 · Meeting Expenses	50.69
				Court prep hearing preparation mtg #1	6909.1 · OBMP Meetings	50.00
				Court prep hearing preparation mtg #1	6909.1 · OBMP Meetings	15.00
				Board officers mtg/Pool chair	6312 · Meeting Expenses	115.00
				Court prep hearing preparation mtg #2	6909.1 · OBMP Meetings	60.00
				Staff lunch pre RIPCCom mtg at IEUA	6909.1 · OBMP Meetings	60.00
				Reg.-PK-attend 1st Annual W. Grdwtr Congress	6193.2 · Conference - Registration Fee	610.00
				Early bird checkin-PK flight-GRAC	6173 · Airfare/Mileage	15.00
				Early bird checkin-PK flight-GRAC	6173 · Airfare/Mileage	15.00
				Flight-PK-attend GRAC 1st Annual Grdwtr Congress	6173 · Airfare/Mileage	99.89
				Lunch-CGC Meeting held at Watermaste	6141.3 · Admin Meetings	86.00
				Lunch-CGC Meeting held at Watermaster	6141.3 · Admin Meetings	26.40
				Miscellaneous office supplies	6031.7 · Other Office Supplies	14.20
				Reg.-PK-attend 2018 Fall Conf. and Workshop	6193.2 · Conference - Registration Fee	555.00
				Reg.-ETF-attend 2018 Fall Conf. and Workshop	6193.2 · Conference - Registration Fee	555.00
				PK mtg w/T. Layton, V. Jew	8312 · Meeting Expenses	49.88
				PK, JJ, AN meeting	6141.3 · Admin Meetings	58.40
TOTAL						5,771.70

P 139

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	08/14/2018	20956	COMPUTER NETWORK	103900	1012 · Bank of America Gen'l Ckg	
Bill	08/08/2018	103900		Hard drive repair for laptop	6055 · Computer Hardware	367.44
TOTAL						367.44
Bill Pmt -Check	08/14/2018	20957	CORELOGIC INFORMATION SOLUTIONS	81909434	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	81909434		81909434	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81909434	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	08/14/2018	20958	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/12/2018	7/12 Ag Pool Mtg		7/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				7/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	08/14/2018	20959	DI PRIMIO, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/05/2018	7/05 Exec Committee		7/05/18 Executive Committee mtg w/Approp Pool	6311 · Board Member Compensation	125.00
Bill	07/19/2018	7/19 Exec Committee		7/19/18 Executive Committee mtg w/Non-Ag Pool	6311 · Board Member Compensation	125.00
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board Mtg	6311 · Board Member Compensation	125.00
Bill	07/24/2018	7/24 Board Agenda		7/24/18 Board Agenda Preview	6311 · Board Member Compensation	125.00
Bill	07/26/2018	7/26 Board mtg		7/26/18 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	08/14/2018	20960	EGOSCUE LAW GROUP, INC.	12020	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	12020		Ag Pool Legal Services - July 2018	8467 · Ag Legal & Technical Services	35,400.00
TOTAL						35,400.00
Bill Pmt -Check	08/14/2018	20961	FEDAK & BROWN LLP	Progress Billing	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018			Progress Billing - July 2018	6062 · Audit Services	1,500.00
TOTAL						1,500.00
Bill Pmt -Check	08/14/2018	20962	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/12/2018	7/12 Ag Pool Mtg		7/12/18 Ag Pool mtg	8470 · Ag Meeting Attend -Special	125.00
Bill	07/19/2018	7/19 Advisory Comm		7/19/18 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	07/23/2018	7/23 Special Board		7/23/18 Special Board meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	07/25/2018	7/25 RIPCom Mtg		7/25/18 RIPCom meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	07/26/2018	7/26 Board Mtg		7/26/18 Board meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						625.00
Bill Pmt -Check	08/14/2018	20963	FIRST LEGAL NETWORK LLC	40019787	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	40019787		Court filings 7/11, 7/13, 7/17, 7/23 and 7/26	6061.5 · Court Filing Services	479.30

P 140

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						479.30
Bill Pmt -Check	08/14/2018	20964	PREMIERE GLOBAL SERVICES	26223659	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	26223659		Non-Ag Pool mtg call on 7/19/18	8512 · Meeting Expense	40.41
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				TM4 call on 6/27	6909.1 · OBMP Meetings	6.18
				Advisory Committee request for assistance	6212 · Meeting Expense	6.17
				Advisory Committee request for assistance	6212 · Meeting Expense	6.19
				WM coordination call on 7/17	6909.1 · OBMP Meetings	12.48
				Special Board meeting call on 7/23	6312 · Meeting Expenses	15.68
				Special Board meeting call on 7/23	6312 · Meeting Expenses	6.19
				Board meeting agenda preview call on 7/24	6312 · Meeting Expenses	14.47
				Team discussion call re WM topics on 7/24	6909.1 · OBMP Meetings	33.87
				GRA presentation review call on 7/25	6909.1 · OBMP Meetings	6.20
				Service fee	6022 · Telephone	9.35
TOTAL						255.19
P1415						
Bill Pmt -Check	08/14/2018	20965	SPECIALIZED SERVICES OF SO CAL	2042	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	2042		CPR, AED, and Basic First Aid Training for staff	6192 · Seminars - General	320.00
TOTAL						320.00
Bill Pmt -Check	08/14/2018	20966	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	7076224530355049		Vehicle Fuel - July 2018	6175 · Vehicle Fuel	171.84
TOTAL						171.84
Bill Pmt -Check	08/16/2018	ACH 081618	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	08/11/2018	08/11/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 07/29/18-08/11/18	2000 · Accounts Payable	6,886.20
TOTAL						6,886.20
Bill Pmt -Check	08/20/2018	20967	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	2018207		2018207	6906.31 · OBMP-Pool, Adv. Board Mtgs	6,853.55
Bill	07/31/2018	2018208		2018208	6906.32 · OBMP-Other General Meetings	1,737.25
Bill	07/31/2018	2018209		2018209	6906.74 · OBMP-Mat'l Phy. Injury Requests	513.30
Bill	07/31/2018	2018210		2018210	6906.71 · OBMP-Data Req.-CBWM Staff	16,480.98
Bill	07/31/2018	2018211		2018211	6906.72 · OBMP-Data Req.-Non CBWM Staff	1,381.70
Bill	07/31/2018	2018212		2018212	6906.22 · Water Rights Compliance Rprting	7,572.65
Bill	07/31/2018	2018213		2018213	6906 · OBMP Engineering Services	774.80
Bill	07/31/2018	2018214		2018214	6906.9 · OBMP-2018 RMPU Master Update	26,983.90
Bill	07/31/2018	2018215		2018215	6906.15 · Integrated Model Mtgs-IEUA Cost	2,360.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount				
Bill	07/31/2018	2018216		2018216	6906.81 · Prepare Annual Reports	707.60				
Bill	07/31/2018	2018217		2018217	7103.3 · Grdwtr Qual-Engineering	19,276.72				
Bill	07/31/2018	2018218		2018218	7104.3 · Grdwtr Level-Engineering	8,398.87				
Bill	07/31/2018	2018219		2018219	7107.2 · Grd Level-Engineering	4,386.18				
Bill	07/31/2018	2018220		WSP USA Inc.	7107.6 · Grd Level-Contract Svcs	9,370.71				
				2018220	7107.2 · Grd Level-Engineering	102.00				
Bill	07/31/2018	2018221		Neva Ridge Technologies, Inc.	7107.3 · Grd Level-SAR Imagery	12,000.00				
				2018221	7402 · PE4-Engineering	24,826.40				
Bill	07/31/2018	2018222		2018222	7402.10 · PE4 - Northwest MZ1 Area Proj.	1,619.64				
Bill	07/31/2018	2018223		2018223	7202.2 · Engineering Svc	2,010.90				
Bill	07/31/2018	2018224		2018224	7502 · PE6&7-Engineering	856.00				
Bill	07/31/2018	2018225		2018225	7602 · PE8&9-Engineering	49,880.50				
TOTAL						198,093.65				
Bill Pmt -Check	08/20/2018	20968	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg					
P 1 4 2	07/31/2018	730709		730709	6078 · BHFS Legal - Miscellaneous	20,422.80				
				Out of Office Copying/Printing	6078 · BHFS Legal - Miscellaneous	15.50				
				Mileage/Parking Expense	6275 · BHFS Legal - Advisory Committee	36.67				
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	12.26				
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	12.26				
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	12.26				
				Bill	07/31/2018	730710		Personnel Matters	6073 · BHFS Legal - Personnel Matters	445.50
								GM Contract Amendment	6073 · BHFS Legal - Personnel Matters	3,287.25
				Bill	07/31/2018	730711		730711	6907.34 · Santa Ana River Water Rights	278.10
				Bill	07/31/2018	730712		730712	6907.36 · Santa Ana River Habitat	141.75
				Bill	07/31/2018	730713		730713	6275 · BHFS Legal - Advisory Committee	2,397.93
				Bill	07/31/2018	730714		730714	6375 · BHFS Legal - Board Meeting	9,225.45
								Mileage/Parking Expense	6375 · BHFS Legal - Board Meeting	36.67
								Delivery/Ground Transportation	6375 · BHFS Legal - Board Meeting	250.00
Bill	07/31/2018	730715		730715	8375 · BHFS Legal - Appropriative Pool	1,826.55				
Bill	07/31/2018	730717		730717	8475 · BHFS Legal - Agricultural Pool	1,826.55				
Bill	07/31/2018	730719		730719	8575 · BHFS Legal - Non-Ag Pool	1,826.55				
Bill	07/31/2018	730722		730722	6071 · BHFS Legal - Court Coordination	32,030.55				
				Mileage/Parking Expense	6071 · BHFS Legal - Court Coordination	36.78				
				Mileage/Parking Expense	6071 · BHFS Legal - Court Coordination	36.78				
Bill	07/31/2018	730723		730723	6077 · BHFS Legal - Party Status Maint	3,192.75				
Bill	07/31/2018	730724		730724	6907.39 · Recharge Master Plan	2,405.70				
				Mileage/Parking Expense	6907.39 · Recharge Master Plan	36.58				
Bill	07/31/2018	730725		730725	6907.40 · Storage Agreements	603.45				
Bill	07/31/2018	730726		730726	6907.42 · Safe Yield Recalculation	19,820.70				

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Delivery/Ground Transportation-2 trips	6907.42 · Safe Yield Recalculation	300.00
				Lodging-5 nights	6907.42 · Safe Yield Recalculation	1,125.00
				Mileage/Parking Expense	6907.42 · Safe Yield Recalculation	36.79
Bill	07/31/2018	730727		730727	6907.44 · SGMA Compliance	4,915.35
				Mileage/Parking Expense	6907.44 · SGMA Compliance	36.78
TOTAL						106,631.26
Bill Pmt -Check	08/20/2018	20969	CUCAMONGA VALLEY WATER DISTRICT		1012 · Bank of America Gen'l Ckg	
Bill	08/16/2018			Office lease due September 1, 2018	1422 · Prepaid Rent	6,608.80
TOTAL						6,608.80
Bill Pmt -Check	08/20/2018	20970	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	07/10/2018	L0404635		L0404635	7108.4 · Hydraulic Control-Lab Svcs	440.00
Bill	07/12/2018	L0404636		L0404636	7108.4 · Hydraulic Control-Lab Svcs	1,194.00
TOTAL						1,634.00
Bill Pmt -Check	08/20/2018	20971	GREAT AMERICA LEASING CORP.	23188608	1012 · Bank of America Gen'l Ckg	
Bill	08/17/2018	23188608		Invoice for August 2018	6043.1 · Ricoh Lease Fee	2,605.07
				2018 San Bernardino County Property Tax Fee	6043.3 · Ricoh Property Tax Fees	490.44
TOTAL						3,095.51
Bill Pmt -Check	08/20/2018	20972	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018			July 2018	8367 · Legal Service	7,844.00
TOTAL						7,844.00
Bill Pmt -Check	08/20/2018	20973	NELSON, ANNA	Employee Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	08/15/2018			Reimburse for Notary Recertification	6192 · Seminars - General	209.06
TOTAL						209.06
Bill Pmt -Check	08/20/2018	20974	OFFICE & ERGONOMIC SOLUTIONS, INC.	Office Furniture	1012 · Bank of America Gen'l Ckg	
Bill	08/14/2018			Final Payment-office furniture	1840 · Capital Assets	5,078.91
TOTAL						5,078.91
Bill Pmt -Check	08/20/2018	20975	PETTY CASH	2737-2750	1012 · Bank of America Gen'l Ckg	
Bill	07/31/2018	2737-2750		Lunch for 6/15/18 Ag Pool meeting	8412 · Meeting Expenses	43.62
				Supplies for washing field trucks	6151 · Small Tools & Equipment	20.75
				Parking/mileage reimbursement-CalPers Seminar	6192 · Seminars - General	50.43
				Miscellaneous office supplies	6031.7 · Other Office Supplies	124.82
				Supplies-Board Exec Committee & Pool Chairs	6312 · Meeting Expenses	18.44
				Supplies for June and July staff meetings	6141.3 · Admin Meetings	28.93

P 143

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL				ETF mtg w/EUA	8312 · Meeting Expenses	35.58
						<u>322.57</u>
Bill Pmt -Check	08/20/2018	20976	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	07/05/2018	7/05 Exec Comm Mtg		7/05/18 Exec. Comm.- Board & Appropriative Pool	6311 · Board Member Compensation	125.00
Bill	07/10/2018	7/10 Admin Mtg		7/10/18 Admin. meeting w/GM-conference call	6311 · Board Member Compensation	125.00
Bill	07/12/2018	7/12 Ag Pool Mtg		7/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				7/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	07/19/2018	7/19 Special Ag Mtg		7/19/18 Special Ag Pool Executive Strategy mtg.	8411 · Compensation	25.00
				7/19/18 Special Ag Pool Executive Strategy mtg.	8470 · Ag Meeting Attend -Special	100.00
Bill	07/19/2018	7/19 Exec Committee		7/19/19 Exec. Comm.-Board & Non-Ag Pool	6311 · Board Member Compensation	125.00
Bill	07/23/2018	7/23 Admin Meeting		7/23/18 Admin. mtg.w/GM-Pool Chairs conf. call	6311 · Board Member Compensation	125.00
Bill	07/24/2018	7/24 Admin Meeting		7/24/18 Admin. Mtg.w/GM-conference call	6311 · Board Member Compensation	125.00
TOTAL						<u>875.00</u>
Bill Pmt -Check	08/20/2018	20977	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2018			Retiree Medical	60182.4 · Retiree Medical	25.17
TOTAL						<u>25.17</u>
P144						
Bill Pmt -Check	08/20/2018	20978	UNITED HEALTHCARE	052502293904	1012 · Bank of America Gen'l Ckg	
Bill	08/15/2018	052502293904		Dental Insurance Premium - September 2018	60182.2 · Dental & Vision Ins	433.36
TOTAL						<u>433.36</u>
Bill Pmt -Check	08/20/2018	20979	VERIZON WIRELESS	9812160995	1012 · Bank of America Gen'l Ckg	
Bill	08/15/2018	9812160995		Acct #470810953-00001	6022 · Telephone	336.37
TOTAL						<u>336.37</u>
Bill Pmt -Check	08/23/2018	ACH 082318	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	08/01/2018	15345627		Annual Unfunded Accrued Liability for Plan 3299	60180 · Employers PERS Expense	5,456.55
TOTAL						<u>5,456.55</u>
General Journal	08/25/2018	08/25/2018	Payroll and Taxes for 08/12/18-08/25/18	Payroll and Taxes for 08/12/18-08/25/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 08/12/18-08/25/18	1012 · Bank of America Gen'l Ckg	24,767.98
				Payroll Taxes for 08/12/18-08/25/18	1012 · Bank of America Gen'l Ckg	7,907.59
			ICMA-RC	457(b) Employee Deductions for 08/12/18-08/25/18	1012 · Bank of America Gen'l Ckg	4,189.76
			ICMA-RC	401(a) Employee Deductions for 08/12/18-08/25/18	1012 · Bank of America Gen'l Ckg	1,311.76
TOTAL						<u>38,177.09</u>
Bill Pmt -Check	08/29/2018	20980	CENTURYLINK	72576659	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	72576659		8/17/18-9/16/18	6053 · Internet Expense	1,050.46

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						1,050.46
Bill Pmt -Check	08/29/2018	20981	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	90948438900509145		Office fax	6022 · Telephone	143.76
TOTAL						143.76
Bill Pmt -Check	08/29/2018	20982	INLAND EMPIRE UTILITIES AGENCY	1800003901	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	1800003901		TO #3 - Pomona Extensometer Contract Admin.	7402.10 · PE4 - Northwest MZ1 Area Proj.	1,463,581.30
TOTAL						1,463,581.30
Bill Pmt -Check	08/29/2018	20983	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	0111802		Employee Deductions - August 2018	60194 · Other Employee Insurance	79.70
TOTAL						79.70
Bill Pmt -Check	08/29/2018	20984	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	775.35
TOTAL						775.35
P143 TOTAL						100.04
Bill Pmt -Check	08/29/2018	20985	VERIZON WIRELESS	9812696708	1012 · Bank of America Gen'l Ckg	
Bill	08/23/2018	9812696708		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
Bill Pmt -Check	08/29/2018	20986	INLAND EMPIRE UTILITIES AGENCY	1800003899	1012 · Bank of America Gen'l Ckg	
Bill	08/22/2018	1800003899		SCADA System Upgrades Project-Invoice #10	7690.61 · GWR SCADA Upgrades (TO #4)	29,590.05
TOTAL						29,590.05
Bill Pmt -Check	08/29/2018	20987	KESSLER ALAIR INSURANCE SERVICES, INC.		1012 · Bank of America Gen'l Ckg	
Bill	08/29/2018			Environ. Pollution Liab. coverage-Right of Entrys	6085 · Business Insurance Package	9,544.19
TOTAL						9,544.19
Bill Pmt -Check	08/29/2018	20988	CUBICLE AND OFFICE, LLC.	1041	1012 · Bank of America Gen'l Ckg	
Bill	08/29/2018	1041		Panels and desks for field staff work area	1840 · Capital Assets	18,819.43
TOTAL						18,819.43
Bill Pmt -Check	08/30/2018	ACH 083018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	08/25/2018	18/08/09	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 08/12/18-08/25/18	2000 · Accounts Payable	6,886.20
TOTAL						6,886.20
					Total Disbursements:	2,194,687.05

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
-------------	-------------	------------	-------------	-------------	----------------	--------------------

P146