

CHINO BASIN WATERMASTER



NOTICE OF MEETING

Thursday, April 25, 2019

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, April 25, 2019

11:00 a.m. – Watermaster Board Meeting

AGENDA

**CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING**

11:00 a.m. – April 25, 2019

WITH

Mr. Jeff Pierson – Chair

Mr. Darron Poulsen – 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 March 28, 2019 *(Page 1)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of February 2019 *(Page 5)*
2. Watermaster VISA Check Detail for the month of February 2019 *(Page 15)*
3. Combining Schedule for the Period July 1, 2018 through February 28, 2019 *(Page 19)*
4. Treasurer's Report of Financial Affairs for the Period February 1, 2019 through February 28, 2019 *(Page 23)*
5. Budget vs. Actual Report for the Period July 1, 2018 through February 28, 2019 *(Page 27)*

C. WATER TRANSACTIONS *(Page 51)*

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: December 11, 2018.

II. BUSINESS ITEMS

NONE

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal from April 28, 2017 Order
2. Rules and Regulations Update Process
3. Notice of Request to Take Motion to Confirm Stay Pending Appeal Off Calendar
4. Court Hearing on June 7, 2019 Regarding OBMP Semi-Annual Status Report 2018-2

B. ENGINEER REPORT

1. Maximum Benefit Annual Report
2. Annual Report of the PBHSC
3. Pomona Extensometer Update
4. State of the Basin – Presentation on Production and Recharge

C. CFO REPORT

1. Fiscal Year 2019/20 Budget

D. GM REPORT

1. OBMP Update Status
2. Prior Assessment Package Revisions
3. Water Quality Colloquium
4. Water Rights Permit Reporting / SB88 Compliance
5. Replenishment Water Purchase
6. Watermaster Engineer Contract
7. Ely 3
8. FY 2018/19 Second Organization Performance Report (*Page 59*)
9. Other

IV. INFORMATION

1. Cash Disbursements for March 2019 (*Page 61*)
2. Chino Airport and South Archibald Plumes Semi-Annual Status Reports (*Page 77*)

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
2. General Manager Performance Evaluation

VIII. FUTURE MEETINGS AT WATERMASTER

4/23/19	Tue	1:00 p.m.	Fiscal Year 2019/20 Budget Workshop #1
4/25/19	Thu	11:00 a.m.	Watermaster Board
4/30/19	Tue	10:00 a.m.	Fiscal Year 2014/15 Assessment Package Revision Workshop
4/30/19	Tue	1:00 p.m.	Fiscal Year 2019/20 Budget Workshop #2
5/02/19	Thu	9:00 a.m.	Chino Basin Water Quality Colloquium (held at CBWCD)
5/09/19	Thu	9:00 a.m.	Appropriative Pool
5/09/19	Thu	11:00 a.m.	Non-Agricultural Pool
5/09/19	Thu	1:30 p.m.	Agricultural Pool

5/14/19	Tue	1:30 p.m.	Prado Basin Habitat Sustainability Committee
5/16/19	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
5/16/19	Thu	9:00 a.m.	Advisory Committee
5/16/19	Thu	9:30 a.m.	OBMP Update Listening Session 4
5/23/19	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Watermaster Board Meeting held on March 28, 2019

DRAFT MINUTES
CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING

March 28, 2019

The Watermaster Board meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on March 28, 2019.

WATERMASTER BOARD MEMBERS PRESENT

Jeff Pierson, Chair
Darron Poulsen, Vice-Chair
David De Jesus for Bob Kuhn
Bob Bowcock
Eunice Ulloa
Paul Hofer
Michael Camacho for Steve Elie
Gino Filippi
Don Galleano

Agricultural Pool – Crops
City of Pomona
Three Valleys Municipal Water District
CalMat Co.
City of Chino
Agricultural Pool – Crops
Inland Empire Utilities Agency
Appropriative Pool – Minor Representative
Western Municipal Water District

WATERMASTER BOARD MEMBERS ABSENT

Steve Elie
Bob Kuhn

Inland Empire Utilities Agency
Three Valleys Municipal Water District

WATERMASTER STAFF PRESENT

Peter Kavounas
Joseph Joswiak
Edgar Tellez Foster
Justin Nakano
Janine Wilson
Camille Gregory

General Manager
Chief Financial Officer
Senior Environmental Engineer
Water Resources Senior Associate
Senior Accountant
Administrative Assistant

WATERMASTER CONSULTANTS PRESENT

Scott Slater
Mark Wildermuth
Andy Malone

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

OTHERS PRESENT

Van Jew
John Bosler
Dave Crosley
Matt Litchfield
Betty Anderson
Steve Corrington
Teri Layton
Chris Berch
Art Kidman
Eduardo Espinoza
Bob Feenstra
Amanda Coker
Ryan Shaw

Monte Vista Water District
Cucamonga Valley Water District
City of Chino
Three Valleys Municipal Water District
Jurupa Community Services District
MIH Water Treatment, Inc.
San Antonio Water Company
Inland Empire Utilities Agency
Kidman Gagen Law, LLP
Cucamonga Valley Water District
Agricultural Pool – Dairy
City of Chino
Western Municipal Water District

CALL TO ORDER

Chair Pierson 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 Meeting held February 28, 2019

B. FINANCIAL REPORTS

Receive and file as presented:

- 1. Cash Disbursements for the month of January 2019
- 2. Watermaster VISA Check Detail for the month of January 2019
- 3. Combining Schedule for the Period July 1, 2018 through January 31, 2019
- 4. Treasurer’s Report of Financial Affairs for the Period January 1, 2019 through January 31, 2019
- 5. Budget vs. Actual Report for the Period July 1, 2018 through January 31, 2019

C. OBMP SEMI-ANNUAL STATUS REPORT 2018-2

Adopt the Semi-Annual OBMP Status Report 2018-2, along with filing a copy with the Court, subject to any necessary non-substantive changes.

D. SGMA REPORTING FOR WATER YEAR 2018

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

E. FISCAL YEAR 2018/19 EXHIBIT “G” PHYSICAL SOLUTION TRANSFERS

1) Find that MVWD Non-Ag, NRG California South LP, and California Speedway Corporation are in compliance with the Restated Judgment, Exhibit “G” ¶9(g), authorizing 2018-2019 Exhibit “G” Physical Solution Transfers, 2) Approve levy of assessments and subsequent payments for same.

(0:01:20)

Motion by Ms. Eunice Ulloa seconded by Mr. Bob Bowcock, and by unanimous vote.

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

NONE

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. Appeal from April 28, 2017 Order
- 2. MVWD Ex Parte Application
- 3. March 15, 2019 Hearing
- 4. WOTUS Definition

(0:02:10) Mr. Slater gave a report. A discussion ensued.

B. ENGINEER REPORT

- 1. Pomona Extensometer Update
- 2. Recommended 2019/20 scope and budget for the GLMP and PBHSP
- 3. State of the Basin Report
- 4. Safe Yield Recalculation
- 5. Salinity Management

(0:10:25) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

- 1. Fiscal Year 2019/20 Budget Schedule

(0:17:30) Mr. Joswiak gave a report.

D. GM REPORT

- 1. OBMP Update
- 2. Prior Assessment Package Revision Program
- 3. Ely 3 Update
- 4. USACE FS/EIR/EIS
- 5. Water Quality Colloquium – May 2, 2019
- 6. Other

(0:22:04) Mr. Kavounas gave a presentation on the OBMP Update. A discussion ensued.

(0:33:33) Chair Pierson, Vice-Chair Poulsen and Ms. Ulloa offered to be a part of the CBWM Ad-Hoc Committee to prepare for a joint board meeting with the Inland Empire Utilities Agency regarding the OBMP Update. A discussion ensued.

(0:37:56) Ms. Ulloa commended Wildermuth Environmental, Inc. and Watermaster staff on conducting the OBMP Listening Sessions. Mr. Galleano and Chair Pierson echoed her compliments.

(0:40:30) Mr. Kavounas gave a report on Items III.D.2. – III.D.5., and added reports regarding PPIC Groundwater Publication, GRA Groundwater Law, and Legislation Forum overview. A discussion ensued.

IV. INFORMATION

- 1. Cash Disbursements for February 2019

V. BOARD MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Pierson called for a confidential session at 11:57 a.m. to discuss the Appeal from April 28, 2017 Order. Mr. Slater announced that confidential session concluded at 12:24 p.m. with no reportable action.

ADJOURNMENT

Chair Pierson adjourned the Watermaster Board meeting in memory of Mr. Bill Kruger who recently passed. The meeting concluded at 12:24 p.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

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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: April 25, 2019
TO: Board Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (February 28, 2019)

SUMMARY

Issue: Record of Cash Disbursements for the month of February 2019.

Recommendation: Receive and file Cash Disbursements for February 2019 as presented.

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

Future Consideration

Watermaster Board – April 25, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – April 10, 2019: Received and filed

Appropriative Pool – April 11, 2019: Received and filed

Non-Agricultural Pool – April 11, 2019: Moved unanimously to receive and file, without approval

Advisory Committee – April 18, 2019: Received and filed

Watermaster Board – April 25, 2019:

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

BACKGROUND

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

DISCUSSION

Total cash disbursements during the month of February 2019 were \$373,147.60.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$137,601.91 (check number 21289 dated February 12, 2019); and Brownstein Hyatt Farber Schreck in the amount of \$63,526.23 (check number 21288 dated February 12, 2019).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/05/2019	ACH 020519	CALPERS	1394905143	1012 · Bank of America Gen'I Ckg	
Bill	01/14/2019	1394905143		Medical Insurance Premium - February 2019	60182.1 · Medical Insurance	7,667.57
TOTAL						7,667.57
Bill Pmt -Check	02/06/2019	21286	MONTUORI, KERRY K.	2/01/19 Court Hearing Transcript	1012 · Bank of America Gen'I Ckg	
Bill	02/01/2019	2/01 Court Hearing		Transcript for 2/01/19 court hearing	6046 · Legal Publications/Services	396.70
TOTAL						396.70
Bill Pmt -Check	02/07/2019	21287	MONTUORI, KERRY K.	2/01/19 Rough Draft and Expedite Fee	1012 · Bank of America Gen'I Ckg	
Bill	02/07/2019	2/01 Rough Draft/Fee		Rough draft of 2/01/19 court hearing	6046 · Legal Publications/Services	32.50
				Expedite fee	6046 · Legal Publications/Services	84.50
TOTAL						117.00
Bill Pmt -Check	02/12/2019	21288	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'I Ckg	
Bill	12/31/2018	746915		40th Anniversary Event	6078 · BHFS Legal - Miscellaneous	712.80
				Angelica BK	6078 · BHFS Legal - Miscellaneous	301.50
				746915	6078 · BHFS Legal - Miscellaneous	20,582.10
				Research - Westlaw	6078 · BHFS Legal - Miscellaneous	73.95
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	64.58
Bill	12/31/2018	746916		457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	3,181.95
Bill	12/31/2018	746917		746917	6907.34 · Santa Ana River Water Rights	1,092.15
Bill	12/31/2018	746918		746918	6907.32 · Chino Airport Plume	178.20
Bill	12/31/2018	746919		746919	6375 · BHFS Legal - Board Meeting	445.50
Bill	12/31/2018	746920		746920	6071 · BHFS Legal - Court Coordination	6,904.35
				Mileage/Parking Expense	6071 · BHFS Legal - Court Coordination	56.37
				Mileage/Parking Expense	6071 · BHFS Legal - Court Coordination	56.35
Bill	12/31/2018	746921		746921	6077 · BHFS Legal - Party Status Maint	1,250.55
Bill	12/31/2018	746922		746922	6907.39 · Recharge Master Plan	4,024.80
Bill	12/31/2018	746923		746923	6907.42 · Safe Yield Recalculation	19,369.35
				Delivery/Ground Transportation	6907.42 · Safe Yield Recalculation	150.00
				Lodging - 2 nights	6907.42 · Safe Yield Recalculation	450.00
Bill	12/31/2018	746924		746924	6907.44 · SGMA Compliance	2,198.70
Bill	12/31/2018	746925		746925	6907.45 · OBMP Update	2,396.25
				Mileage/Parking Expense	6907.45 · OBMP Update	36.78
TOTAL						63,526.23
Bill Pmt -Check	02/12/2019	21289	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'I Ckg	
Bill	12/31/2018	2018402		2018402	7510 · PE6&7-IEUA Salinity Mgmt. Plan	4,481.50
Bill	12/31/2018	2018403		2018403	6906.32 · OBMP-Other General Meetings	677.75
Bill	12/31/2018	2018404		2018404	6906.71 · OBMP-Data Req.-CBWM Staff	2,607.90

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	12/31/2018	2018405			6906.76 · County Extraction Well-Modeling	9,771.50
Bill	12/31/2018	2018406			6906.72 · OBMP-Data Req.-Non CBWM Staff	2,333.03
Bill	12/31/2018	2018407			6906.23 · SGMA Reporting Requirements	2,200.60
Bill	12/31/2018	2018408			6906 · OBMP Engineering Services	2,182.10
Bill	12/31/2018	2018409			6906.1 · OBMP-Watermaster Model Update	7,807.70
Bill	12/31/2018	2018410			6906.26 · 2019 OBMP Update	11,021.15
Bill	12/31/2018	2018411			6906.73 · OBMP-Safe Yield Recalculation	13,844.00
Bill	12/31/2018	2018412			6906.15 · Integrated Model Mtgs-IEUA Cost	1,806.50
Bill	12/31/2018	2018413			6906.81 · Prepare Annual Reports	1,491.10
Bill	12/31/2018	2018414			6906.21 · State of the Basin Report	14,743.60
Bill	12/31/2018	2018415			7103.3 · Grdwtr Qual-Engineering	5,163.65
Bill	12/31/2018	2018416			7104.3 · Grdwtr Level-Engineering	20,542.60
Bill	12/31/2018	2018417			7107.2 · Grd Level-Engineering	1,876.11
Bill	12/31/2018	2018418			7402 · PE4-Engineering	612.00
Bill	12/31/2018	2018419			7402.10 · PE4 - Northwest MZ1 Area Proj.	11,509.36
Bill	12/31/2018	2018420			7108.31 · Hydraulic Control - PBHSP	12,900.40
Bill	12/31/2018	2018421			7202.2 · Engineering Svc	2,254.53
Bill	12/31/2018	2018422			6906.16 · CBEWP-100% IEUA Cost	7,774.83
TOTAL						137,601.91
PS						
Bill Pmt -Check	02/12/2019	21290	APPLIED COMPUTER TECHNOLOGIES	3012	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	3012		Database Consulting - January 2019	6052.2 · Applied Computer Technol	5,724.60
TOTAL						5,724.60
Bill Pmt -Check	02/12/2019	21291	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/15/2019	1/15 OBMP Update		1/15/19 OBMP Update Listening Session 1	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/25/2019	1/25 Admin Mtg		1/25/19 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	02/12/2019	21292	BUSINESS TELECOMMUNICATION SYSTEMS I 14664		1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	14664		Conference phone for board room	6022 · Telephone	1,037.16
TOTAL						1,037.16
Bill Pmt -Check	02/12/2019	21293	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool Meeting	8411 · Compensation	25.00
				1/10/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool Meeting	8411 · Compensation	25.00
				1/29/19 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/12/2019	21294	EGOSCUE LAW GROUP, INC.	12195	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	12195		Ag Pool Legal Services - January 2019	8467 · Ag Legal & Technical Services	43,650.00
TOTAL						43,650.00
Bill Pmt -Check	02/12/2019	21295	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/11/2019	1/11 Special Board		1/11/19 Special Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/28/2019	1/28 Admin Mtg		1/28/19 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	02/12/2019	21296	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/11/2019	1/11 Special Board		1/11/19 Special Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/31/2019	1/31 WM Workshop		1/31/19 WM Mechanics Workshop	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	02/12/2019	21297	GEYE, BRIAN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/17/2019	1/178 RIPCom		1/17/19 RIPCom Meeting	6311 · Board Member Compensation	125.00
Bill	01/31/2019	1/31 WM Workshop		1/31/19 CBWM Mechanics Workshop	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	02/12/2019	21298	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Appro Pool Mtg		1/10/19 Appropriate Pool meeting	6311 · Board Member Compensation	125.00
Bill	01/11/2019	1/11 Special Board		1/11/19 Special Board Meeting CC	6311 · Board Member Compensation	125.00
Bill	01/17/2019	1/17 Advisory Comm		1/17/19 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	01/22/2019	1/22 Board Mtg Prep		1/22/19 Board meeting prep call	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/29/2019	1/29 Board Officers		1/29/19 Board Officers conference call	6311 · Board Member Compensation	125.00
TOTAL						750.00
Bill Pmt -Check	02/12/2019	21299	PAYCHEX	2019013100	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	2019013100		January 2019	6012 · Payroll Services	687.95
TOTAL						687.95
Bill Pmt -Check	02/12/2019	21300	PIERSON, JEFFREY	VOID:	1012 · Bank of America Gen'l Ckg	
TOTAL						
Bill Pmt -Check	02/12/2019	21301	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool Meeting	8411 · Compensation	25.00
				1/10/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Ag Special Mtg		1/29/19 Special Ag Pool Meeting	8411 · Compensation	25.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
				1/29/19 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	02/12/2019	21302	PREMIERE GLOBAL SERVICES	27145522	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	27145522		Non-Ag Pool meeting call on 1/10	8512 · Meeting Expense	29.50
				Special Board meeting call on 1/11	6312 · Meeting Expenses	6.30
				Special Board meeting call on 1/11	6312 · Meeting Expenses	6.30
				Special Board meeting call on 1/11	6312 · Meeting Expenses	39.66
				Board Agenda preview call on 1/15	6312 · Meeting Expenses	136.18
				Board Agenda preview call on 1/22	6312 · Meeting Expenses	6.31
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				Regroup after the holidays call on 1/03	6909.1 · OBMP Meetings	25.58
				OBMP Update Listening Session 1 prep call on 1/C	6909.1 · OBMP Meetings	6.30
				OBMP Update Listening Session 1 prep call on 1/C	6909.1 · OBMP Meetings	19.41
				Legal counsel call on 1/07	6909.1 · OBMP Meetings	6.30
				Legal counsel call on 1/07	6909.1 · OBMP Meetings	7.67
				Legal counsel call on 1/07	6909.1 · OBMP Meetings	6.30
				HCP EIR call on 1/08	6909.1 · OBMP Meetings	6.30
				Pool meetings check call on 1/09	8312 · Meeting Expenses	3.77
				Pool meetings check call on 1/09	8512 · Meeting Expense	3.76
				Pool meetings check call on 1/09	8412 · Meeting Expenses	3.76
				Special Board meeting call on 1/11	6312 · Meeting Expenses	6.30
				Special Board meeting call on 1/11	6312 · Meeting Expenses	6.30
				Special Board meeting call on 1/11	6312 · Meeting Expenses	13.68
				WM Coordination call on 1/14	6909.1 · OBMP Meetings	24.92
				OBMP Update Listening Session 2 prep call on 1/1	6909.1 · OBMP Meetings	9.30
				WM Coordination call on 1/21	6909.1 · OBMP Meetings	15.06
				Board meeting preview call on 1/22	6312 · Meeting Expenses	18.56
				Board meeting preview call on 1/22	6312 · Meeting Expenses	8.31
				Service Fee	6022 · Telephone	18.62
				Special Board meeting call on 1/11	6312 · Meeting Expenses	6.30
TOTAL						538.75
Bill Pmt -Check	02/12/2019	21303	PRINTING RESOURCES	Office Supplies	1012 · Bank of America Gen'l Ckg	
Bill	01/17/2019	65597		Nameplates for Darron Poulsen, Victor Preciado	6031.7 · Other Office Supplies	61.20
Bill	01/23/2019	65598		Business cards for ETF	6031.7 · Other Office Supplies	96.44
TOTAL						157.64
Bill Pmt -Check	02/12/2019	21304	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	0023230253		Office Water Bottle - January 2019	6031.7 · Other Office Supplies	43.72

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						43.72
Bill Pmt -Check	02/12/2019	21305	RR FRANCHISING, INC.	Janitorial Services	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	67195		1/05/19 carpet cleaning	6024 · Building Repair & Maintenance	600.00
Bill	02/01/2019	67438		Monthly service February 2019	6024 · Building Repair & Maintenance	740.00
TOTAL						1,340.00
Bill Pmt -Check	02/12/2019	21306	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	1970970-18		Monthly premium 1/26/19-2/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	02/12/2019	21307	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	7076224530355049		January 2019	6175 · Vehicle Fuel	177.28
TOTAL						177.28
Bill Pmt -Check	02/12/2019	21308	VANDEN HEUVEL, GEOFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/15/2019	1/15 OBMP Update		1/15/19 OBMP Update Listening Session	8411 · Compensation	25.00
				1/15/19 OBMP Update Listening Session	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool meeting	8411 · Compensation	25.00
				1/29/19 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	02/12/2019	21309	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	001017890001		Vision Insurance Premium - February 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						88.20
Bill Pmt -Check	02/12/2019	21310	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/11/2019	1/11 Special Board		1/11/19 Special Board Meeting - Galleano	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting - Galleano	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	02/12/2019	21311	YUKON DISPOSAL SERVICE	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	21136525395		February 2019	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
Bill Pmt -Check	02/12/2019	21312	PIERSON, JEFFREY	Ag Pool and Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/13/2018	12/13 Special Ag Mtg		12/13/18 Special Ag Pool Mtg	8470 · Ag Meeting Attend -Special	125.00
Bill	12/20/2018	12/20 Board CC		12/20/18 Board Conference call	6311 · Board Member Compensation	125.00
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool meeting	8411 · Compensation	25.00
				1/10/19 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/11/2019	1/11 Board CC		1/11/19 Board Conference Call	6311 · Board Member Compensation	125.00

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	01/11/2019	1/11 Special Advis		1/11/19 Special Advisory Committee Meeting	8411 · Compensation	25.00
				1/11/19 Special Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/15/2019	1/15 OBMP Update		1/15/19 OBMP Update Listening Session 1	8411 · Compensation	25.00
				1/15/19 OBMP Update Listening Session 1	8470 · Ag Meeting Attend -Special	100.00
Bill	01/17/2019	1/17 Advisory Comm		1/17/19 Advisory Committee Meeting	8411 · Compensation	25.00
				1/17/19 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/17/2019	1/17 RIPCom Mtg		1/17/19 RIPCom Meeting	8411 · Compensation	25.00
				1/17/19 RIPCom Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/22/2019	1/22 Board Agenda CC		1/22/19 Board Agenda Preview call	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board Meeting	6311 · Board Member Compensation	125.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool Meeting	8411 · Compensation	25.00
				1/29/19 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Board Officers		1/29/19 Board Officers conference call	6311 · Board Member Compensation	125.00
Bill	01/31/2019	1/31 Recharge CC		1/31/19 Vine Irrigation/Recharge Conference call	8411 · Compensation	25.00
				1/31/19 Vine Irrigation/Recharge Conference call	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>1,625.00</u>
Check	02/15/2019	02/15/2019	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	626.07
TOTAL						<u>626.07</u>
General Journal	02/15/2019	02/15/2019	Payroll and Taxes for 01/27/19-02/09/19	Payroll and Taxes for 01/27/19-02/09/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 01/27/19-02/09/19	1012 · Bank of America Gen'l Ckg	28,964.00
				Payroll Taxes for 01/27/19-02/09/19	1012 · Bank of America Gen'l Ckg	9,478.76
			ICMA-RC	457(b) EE Deductions for 01/27/19-02/09/19	1012 · Bank of America Gen'l Ckg	5,421.62
			ICMA-RC	401(a) EE Deductions for 01/27/19-02/09/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>45,346.27</u>
Bill Pmt -Check	02/15/2019	02/15/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	02/09/2019	02/09/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 01/27/19-02/19/19	2000 · Accounts Payable	7,444.83
TOTAL						<u>7,444.83</u>
Bill Pmt -Check	02/21/2019	21313	ALLEN, REBECCA M.	Transcript for Hearing on 2/21/19	1012 · Bank of America Gen'l Ckg	
Bill	02/21/2019	Transcript 2/20/19		Transcript for 2/20/19	6046 · Legal Publications/Services	90.00
TOTAL						<u>90.00</u>
General Journal	02/23/2019	02/23/2019	Payroll and Taxes for 02/10/19-02/23/19	Payroll and Taxes for 02/10/19-02/23/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 02/10/19-02/23/19	1012 · Bank of America Gen'l Ckg	28,878.10
				Payroll Taxes for 02/10/19-02/23/19	1012 · Bank of America Gen'l Ckg	9,382.20
			ICMA-RC	457(f) EE Deductions for 02/10/19-02/23/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 02/10/19-02/23/19	1012 · Bank of America Gen'l Ckg	1,481.89

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						44,908.91
Bill Pmt -Check	02/26/2019	ACH 022619	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	15566195		Annual Unfunded Accrued Liability for Plan 3299	60180 · Employers PERS Expense	5,456.55
TOTAL						<u>5,456.55</u>
General Journal	02/28/2019	02/28/2019	Wage Works FSA Direct Debits - Feb. 2019	Wage Works FSA Direct Debits - Feb. 2019	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - Feb. 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - Feb. 2019	1012 · Bank of America Gen'l Ckg	509.60
				Wage Works FSA Direct Debits - Feb. 2019	1012 · Bank of America Gen'l Ckg	81.50
TOTAL						<u>1,100.70</u>
					Total Disbursements:	<u><u>373,147.60</u></u>

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: April 25, 2019
TO: Board Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (February 28, 2019)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of February 2019.

Recommendation: Receive and file VISA Check Detail Report for February 2019 as presented.

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

Future Consideration

Watermaster Board – April 25, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – April 10, 2019: Received and filed

Appropriative Pool – April 11, 2019: Received and filed

Non-Agricultural Pool – April 11, 2019: Moved unanimously to receive and file, without approval

Advisory Committee – April 18, 2019: Received and filed

Watermaster Board – April 25, 2019:

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

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 February 2019 was \$8,005.68. The payment was processed in the amount of \$8,005.68 (by check number 21315 dated March 1, 2019). The monthly charges for February 2019 of \$8,005.68 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
February 2019

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/01/2019	21315	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	XXXX-XXXX-XXXX-9341		Miscellaneous office supplies	6031.7 · Other Office Supplies	336.77
				Reg-JW-2019 CAPStone Conf. March 18-20	6193.2 · Conference - Registration Fee	794.03
				Hotel-JW-2019 CAPStone Conf. March18-20	6191 · Conferences - General	793.47
				Toner cartridges	6031.7 · Other Office Supplies	962.83
				Miscellaneous office supplies	6031.7 · Other Office Supplies	53.79
				Miscellaneous office supplies	6031.7 · Other Office Supplies	49.46
				Miscellaneous office supplies	6031.7 · Other Office Supplies	63.48
				Miscellaneous office supplies	6031.7 · Other Office Supplies	39.94
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.98
				Miscellaneous office supplies	6031.7 · Other Office Supplies	9.98
				Miscellaneous office supplies	6031.7 · Other Office Supplies	497.36
				Operations staff breakfast meeting	6141.3 · Admin Meetings	99.02
				Miscellaneous office supplies	6031.7 · Other Office Supplies	23.66
				Lunch-staff and legal counsel before Pool mtg	6141.3 · Admin Meetings	88.34
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	22.27
				Miscellaneous office supplies	6031.7 · Other Office Supplies	10.75
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	37.10
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.97
				Miscellaneous office supplies	6031.7 · Other Office Supplies	12.32
				Miscellaneous office supplies	6031.7 · Other Office Supplies	28.79
				Registration-JN-March 17-19 WateReuse Conf.	6193.2 · Conference - Registration Fee	99.88
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.94
				PK mtg w/Ops staff	6141.3 · Admin Meetings	64.43
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.79
				Dessert for staff meeting 1/24/19	6141.3 · Admin Meetings	29.86
				PK mtg w/Bob Bowcock	6312 · Meeting Expenses	26.12
				PK mtg w/Steve Elie	6312 · Meeting Expenses	53.08
				Lunch for staff development day	6141.3 · Admin Meetings	83.46
				Hotel-ETF-GW Sustainability Bootcamp	6191 · Conferences - General	582.04
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.55
				Reg.-ETF-attend GW Sustainability Bootcamp	6193.2 · Conference - Registration Fee	809.01
				Reg.-JN & AJ-AGWA - AGWT Annual GW Conf.	6193.2 · Conference - Registration Fee	489.40
				Pictures taken for annual Board meeting	6312 · Meeting Expenses	299.63
				Flight-ETF-GW Sustainability Bootcamp	6191 · Conferences - General	380.49
				Flight-PK-GW Sustainability Bootcamp	6191 · Conferences - General	447.41
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	50.69
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	24.57
				Tip-lunch delivery-OBMP Listening Session 1	6909.1 · OBMP Meetings	9.99
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	206.75

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CHINO BASIN WATERMASTER
 VISA Check Detail Report
 February 2019

<u>Type</u>	<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
				PK mtg w/John Bosler	8312 · Meeting Expenses	32.16
				PK mtg w/Darron Poulsen	8312 · Meeting Expenses	39.64
				Purchase-59 Technology Tips for Admin Prof.	6192 · Seminars - General	39.90
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.82
				Reg.-CG-Webinar - Proofreading & Editing Tech.	6193.2 · Conference - Registration Fee	196.76
TOTAL					Total Disbursements:	<u>8,005.68</u>

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: April 25, 2019
TO: Board Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through February 28, 2019 - Financial Report B3 (February 28, 2019)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through February 28, 2019.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through February 28, 2019 as presented.

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

Future Consideration

Watermaster Board – April 25, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – April 10, 2019: Received and filed

Appropriative Pool – April 11, 2019: Received and filed

Non-Agricultural Pool – April 11, 2019: Moved unanimously to receive and file, without approval

Advisory Committee – April 18, 2019: Received and filed

Watermaster Board – April 25, 2019:

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

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2018 through February 28, 2019 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 FEBRUARY 28, 2019

	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			8,298,615		392,157			8,690,772	8,655,545	
Interest Revenue			82,245	5,684	652			88,581	63,968	
Mutual Agency Project Revenue	167,712							167,712	167,712	
Miscellaneous Income	83							83	0	
Total Revenues	167,795	-	8,380,860	5,684	392,809	-	-	8,947,149	8,887,225	
Administrative & Project Expenditures:										
Watermaster Administration	1,312,387							1,312,387	1,337,141	
Watermaster Board-Advisory Committee	136,315							136,315	226,519	
Ag Pool Misc. Expense - Ag Fund								-	400	
Pool Administration			101,842	308,627	114,534			525,002	624,643	
Optimum Basin Mgmt Administration		1,162,655						1,162,655	2,273,267	
OBMP Project Costs		3,291,255						3,291,255	5,503,869	
Debt Service		580,585						580,585	580,585	
Basin Recharge Improvements		1,417,518						1,417,518	3,068,941	
Total Administrative/OBMP Expenses	1,448,702	6,452,013	101,842	308,627	114,534	-	-	8,425,717	13,615,365	
Net Administrative/OBMP Expenses	(1,280,907)	(6,452,013)								
Allocate Net Admin Expenses To Pools	1,280,907		899,787	333,184	47,937			-		
Allocate Net OBMP Expenses To Pools		4,453,910	3,128,695.95	1,158,531	166,683.45			-		
Allocate Debt Service to App Pool		580,585	580,585					-		
Allocate Basin Recharge to App Pool		1,417,518	1,417,518					-		
Agricultural Expense Transfer*			1,800,341	(1,800,341)				-		
Total Expenses	7,928,768	-	452,092	5,684	63,655	-	-	8,425,717	13,615,365	
Net Administrative Income	0	0	452,092	5,684	63,655	-	-	521,431	(4,728,140)	
Other Income/(Expense)										
Replenishment Water Assessments						796,239		796,239	0	
Desalter Replenishment Obligation						-		-	0	
Non-Ag Stored Water Purchases						-		-	0	
Exhibit "G" Non-Ag Pool Water						-		-	0	
RTS Charges from IEUA						(29,084)		(29,084)	0	
Interest Revenue						1,689		1,689	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	
Other Post-Employment Benefits (OPEB)						-		-	0	
Refund-Excess Reserves						-		-	0	
Refund-Recharge Debt			(57,732)					(57,732)	0	
Funding To/(From) Reserves								-	0	
Net Other Income/(Expense)	0	0	(57,732)	-	-	768,844	-	711,112	0	
Net Transfers To/(From) Reserves		1,232,543	394,360	5,684	63,655	768,844	-	1,232,543	(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			10,056,337	498,792	144,446	764,311	(20,461)	(443,445)	10,999,980	10,999,980
17/18 Assessable Production			76,859,928	28,460,605	4,094,766				109,415,299	
17/18 Production Percentages			70.246%	26.012%	3.742%				100.000%	

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

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: April 25, 2019

TO: Board Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period February 1, 2019 through February 28, 2019 - Financial Report B4 (February 28, 2019)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of February 1, 2019 through February 28, 2019.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period February 1, 2019 through February 28, 2019 as presented.

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

Future Consideration

Watermaster Board – April 25, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – April 10, 2019: Received and filed

Appropriative Pool – April 11, 2019: Received and filed

Non-Agricultural Pool – April 11, 2019: Moved unanimously to receive and file, without approval

Advisory Committee – April 18, 2019: Received and filed

Watermaster Board – April 25, 2019:

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

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period February 1, 2019 through February 28, 2019 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
FEBRUARY 1, 2019 THROUGH FEBRUARY 28, 2019**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	823,898		
Zero Balance Account - Payroll		-		823,898
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				12,415,698
TOTAL CASH IN BANKS AND ON HAND				\$ 13,240,941
TOTAL CASH IN BANKS AND ON HAND				13,566,016
				\$ (325,075)

PERIOD INCREASE (DECREASE) \$ (325,075)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:			\$	
Accounts Receivable				29,538
Assessments Receivable				6,771
Prepaid Expenses, Deposits & Other Current Assets				(10,385)
(Decrease)/Increase in Liabilities:				
Accounts Payable				228,588
Accrued Payroll, Payroll Taxes & Other Current Liabilities				7,575
Long Term Liabilities				2,280
Transfer to/(from) Reserves				(589,442)
				\$ (325,075)

PERIOD INCREASE (DECREASE) \$ (325,075)

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 1/31/2019	\$ 500	\$ 423,973	\$ -	\$ 845	\$ 13,140,698	\$ 13,566,016
Deposits	-	773,073	-	-	-	773,073
Transfers	-	(122,816)	(86,713)	-	(725,000)	(934,530)
Withdrawals/Checks	-	(250,331)	86,713	-	-	(163,618)
Balances as of 2/28/2019	\$ 500	\$ 823,898	\$ -	\$ 845	\$ 12,415,698	\$ 13,240,941
PERIOD INCREASE OR (DECREASE)	\$ -	\$ 399,925	\$ -	\$ -	\$ (725,000)	\$ (325,075)

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
FEBRUARY 1, 2019 THROUGH FEBRUARY 28, 2019**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
2/20/2019	Withdrawal		(725,000)				
TOTAL INVESTMENT TRANSACTIONS			\$ (725,000)	\$0			

* The earnings rate for L.A.I.F. is a daily variable rate; 2.40% was the effective yield rate at the Quarter ended December 31, 2018.

**INVESTMENT STATUS
February 28, 2019**

<u>Financial Institution</u>	Principal Amount	Number of Days	Interest Rate	Maturity Date
Local Agency Investment Fund	\$ 12,415,698			
TOTAL INVESTMENTS	\$ 12,415,698			

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

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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: April 25, 2019
TO: Board Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through February 28, 2019 -
Financial Report B5 (February 28, 2019)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2018 through February 28, 2019.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2018 through February 28, 2019 as presented.

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

Future Consideration

Watermaster Board – April 25, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Agricultural Pool – April 10, 2019: Received and filed

Appropriative Pool – April 11, 2019: Received and filed

Non-Agricultural Pool – April 11, 2019: Moved unanimously to receive and file, without approval

Advisory Committee – April 18, 2019: Received and filed

Watermaster Board – April 25, 2019:

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

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2018 through February 28, 2019 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 – FEBRUARY 2019

Year-To-Date (YTD) for the eight months ending February 28, 2019, all but six 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 \$48,970 or 6.9% 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 \$224,044 or 215.4% as a result of miscellaneous legal matters as detailed in the BHFS section; (3) Business Insurance expenses (6080's) over budget by \$6,846 or 23.8% as a result of the additional coverage for Environmental and Pollution Liability as recommended by our broker, for water sampling activities within the basin by the Watermaster staff, not budgeted for in the FY 2018/19 budget; (4) Appropriative Pool Administration expenses (8300's) over budget by \$8,870 or 9.5% as a result of increased legal activities by the Appropriative Pool attorney for the months of July 2018 through February 2019; (5) Agricultural Pool Legal Services (8467's) over budget by \$119,775 or 87.6% as a result of increased legal activities performed by the Agricultural Pool's attorney during the months of July 2018 through February 2019; and (6) Non-Agricultural Pool Administration expenses (8500's) over budget by \$18,746 or 19.6% as a result of increased legal activities performed by the Non-Agricultural Pool's attorney during the months of July 2018 through February 2019.

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.

As discussed at the FY 2018/19 Mid-Year Review during the February 2019 Pool and Board meetings, Watermaster is not recommending a Budget Amendment or Budget Transfer at this time. However, if the over budget trends listed above continue during FY 2018/19, a Budget Amendment and/or Budget Transfer could be required to ensure Watermaster's ability to fund the ongoing expenses. Most likely, the Budget Amendment or Budget Transfer would be submitted for approval during the meeting month of either June or July 2019.

Overall, the Watermaster (YTD) Actual Expenses were \$2,672,844 or 24.1% below the (YTD) Budgeted Expenses of \$11,098,561.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2018:

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 ($\$8,887,225 + \$4,728,140.07 = \$13,615,365.07$).

SALARIES EXPENSE

CURRENT MONTH – FEBRUARY 2019

As of February 28, 2019, the total (YTD) Watermaster salary expenses were \$77,919 or 6.1% below the (YTD) budgeted amount of \$1,286,998. The overall staffing budget was developed with a staffing level of ten Full-Time Equivalents (FTE's), and staffing is currently at ten Full-Time Equivalents (FTE's).

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 February 28, 2019. 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 - Feb '19</u> <u>Actual</u>	<u>Jul '18 - Feb '19</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	761,749.64	664,653.00	97,096.64	114.61%	993,161.00
6011.1 · WM Staff Salaries - Overtime	8,522.91	0.00	8,522.91	100.0%	0.00
6011.4 · 457(f) NQDC Plan	13,035.50	23,456.00	-10,420.50	55.57%	37,034.00
6017 · Temporary Services	0.00	14,000.00	-14,000.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	14,881.07	16,905.00	-2,023.93	88.03%	25,259.00
6301 · Watermaster Board - WM Staff Salaries	24,762.88	27,052.00	-2,289.12	91.54%	40,422.00
8301 · Appropriative Pool - WM Staff Salaries	27,553.31	25,147.00	2,406.31	109.57%	37,577.00
8401 · Agricultural Pool - WM Staff Salaries	14,744.03	21,301.00	-6,556.97	69.22%	31,829.00
8501 · Non-Agricultural Pool - WM Staff Salaries	11,196.25	14,530.00	-3,333.75	77.06%	21,712.00
6901 · OBMP - WM Staff Salaries	48,119.14	94,315.00	-46,195.86	51.02%	140,931.00
7101.1 · Production Monitor - WM Staff Salaries	41,956.87	42,894.00	-937.13	97.82%	64,095.00
7102.1 · In-line Meter - WM Staff Salaries	0.00	12,486.00	-12,486.00	0.0%	18,657.00
7103.1 · Grdwater Quality - WM Staff Salaries	18,954.04	48,054.00	-29,099.96	39.44%	71,806.00
7104.1 · Grdwater Level - WM Staff Salaries	46,150.53	42,479.00	3,671.53	108.64%	63,475.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	2,304.17	3,540.00	-1,235.83	65.09%	5,290.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	2,687.00	-2,687.00	0.0%	4,015.00
7108.11 · Prado Basin - WM Staff Salaries	0.00	3,659.00	-3,659.00	0.0%	5,466.00
7201 · Comp Recharge - WM Staff Salaries	37,572.87	39,138.00	-1,565.13	96.0%	58,482.00
7301 · PE3&5 - WM Staff Salaries	1,474.40	10,824.00	-9,349.60	13.62%	16,174.00
7401 · PE4 - WM Staff Salaries	13,889.48	6,638.00	7,251.48	209.24%	9,919.00
7501 · PE6&7 - WM Staff Salaries	1,317.73	3,740.00	-2,422.27	35.23%	5,588.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	3,295.00	-3,295.00	0.0%	4,925.00
7601 · PE8&9 - WM Staff Salaries	5,171.77	14,288.00	-9,116.23	36.2%	21,350.00
Subtotal WM Staff Costs	1,093,356.59	1,135,081.00	-41,724.41	96.32%	1,698,167.00
60185 · Vacation	49,618.53	51,576.00	-1,957.47	96.21%	77,067.00
60186 · Sick Leave	15,185.98	36,577.00	-21,391.02	41.52%	54,656.00
60187 · Holidays	50,918.13	63,764.00	-12,845.87	79.85%	68,319.00
Subtotal WM Paid Leaves	115,722.64	151,917.00	-36,194.36	76.18%	200,042.00
Total WM Salary Costs	1,209,079.23	1,286,998.00	-77,918.77	93.95%	1,898,209.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)

August 2018:

Two candidates for the Field Operations Specialist (position #9 and position #10) were presented with a conditional offer letter dated September 7, 2018. Both candidates successfully cleared a background investigation, drug screening, and pre-employment physical. The two new Watermaster employees started employment on Tuesday, October 2, 2018. Both employees will be introduced to the Watermaster parties at the Pools, Advisory, and Board meetings during the month of October 2018.

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.

LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – FEBRUARY 2019

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 February 28, 2019, 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 \$114,822 or 17.9% above the (YTD) budgeted amount of \$640,555.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of February 28, 2019, was \$224,044 or 215.4% above the budgeted amount of \$104,010. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$35,849 or 123.1%; Personnel Matters (6073) which were over budget by \$29,980 or 454.2%; Party Status Maintenance (6077) which were over budget by \$10,056 or 83.1%; and the Miscellaneous Category (6078) which were over budget by \$179,136 or 710.9%. 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 \$7,217 or 100.0%; and Interagency Issues (6074) under budget by \$23,760 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 February 28, 2019 was \$25,482 or 20.1% below the budgeted amount of \$127,013. 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 specific line item category.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of February 28, 2019, the category of OBMP legal expenses were \$83,740 or 20.4% below the budgeted amount of \$409,532. The majority of expenses within this OBMP category were under budget (YTD), however, the Recharge Master Plan expenses (6907.39) were over budget by \$8,454 or 26.8%; and Safe Yield Recalculation legal expenses (6907.42) were over budget by \$142,152 or 187.0%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of February 28, 2019 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 - Feb '19 Actual	Jul '18 - Feb '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	64,981.83	29,133.00	35,848.83	223.05%	43,700.00
6072 · BHFS Legal - Rules & Regulations	0.00	7,217.00	-7,217.00	0.0%	10,825.00
6073 · BHFS Legal - Personnel Matters	36,580.28	6,600.00	29,980.28	554.25%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	23,760.00	-23,760.00	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	22,156.17	12,100.00	10,056.17	183.11%	18,150.00
6078 · BHFS Legal - Miscellaneous (Note 1)	204,335.58	25,200.00	179,135.58	810.86%	37,800.00
Total 6070 · Watermaster Legal Services	328,053.86	104,010.00	224,043.86	315.41%	156,015.00
6275 · BHFS Legal - Advisory Committee	12,633.55	13,860.00	-1,226.45	91.15%	21,780.00
6375 · BHFS Legal - Board Meeting	54,144.15	49,140.00	5,004.15	110.18%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	0.00	12,038.00	-12,038.00	0.0%	12,038.00
8375 · BHFS Legal - Appropriative Pool	12,230.86	17,325.00	-5,094.14	70.6%	27,225.00
8475 · BHFS Legal - Agricultural Pool	11,342.74	17,325.00	-5,982.26	65.47%	27,225.00
8575 · BHFS Legal - Non-Ag Pool	11,179.66	17,325.00	-6,145.34	64.53%	27,225.00
Total BHFS Legal Services	101,530.96	127,013.00	-25,482.04	79.94%	192,713.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	8,749.00	-8,749.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	8,749.00	-3,983.77	54.47%	13,125.00
6907.33 · Desalter/Hydraulic Control	228.73	15,749.00	-15,520.27	1.45%	23,625.00
6907.34 · Santa Ana River Water Rights	8,108.43	10,851.00	-2,742.57	74.73%	16,275.00
6907.36 · Santa Ana River Habitat	4,187.27	28,868.00	-24,680.73	14.51%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	10,500.00	-10,287.60	2.02%	15,750.00
6907.39 · Recharge Master Plan	40,053.50	31,600.00	8,453.50	126.75%	47,400.00
6907.40 · Storage Agreements	19,055.58	61,600.00	-42,544.42	30.93%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	842.40	10,834.00	-9,991.60	7.78%	16,250.00
6907.42 · Safe Yield Recalculation	218,152.02	76,000.00	142,152.02	287.04%	114,000.00
6907.44 · SGMA Compliance	11,051.84	52,600.00	-41,548.16	21.01%	78,900.00
6907.45 · OBMP Update	19,134.93	72,132.00	-52,997.07	26.53%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	21,300.00	-21,300.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	325,792.33	409,532.00	-83,739.67	79.55%	614,300.00
Total Brownstein, Hyatt, Farber, Schreck Costs	755,377.15	640,555.00	114,822.15	117.93%	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; (22) 40th Anniversary Event; (23) Establishment of 2019 hearing officer panel; (24) Brown Act compliance for websites; (25) Assessment Packages-Updates and Review; and (26) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – FEBRUARY 2019

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 eight months ending February 28, 2019, the actual expenses of \$1,135,014 were below the budgeted amount of \$1,437,763 by \$302,749 or 21.1%. For a detailed discussion, the following is

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

provided.

For February 28, 2019, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$46,517 or 46.0%. 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 \$46,196 or 49.0%. 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 February 28, 2019.

For February 28, 2019, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$170,860 or 18.5%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the OBMP-Watermaster Model Update expenses (6906.1) which were over budget by \$3,684 or 9.4%; the Integrated Model Meetings-IEUA Costs (6906.15) which were over budget by \$241 or 1.8%; the OBMP-Data Requests-CBWM Staff expenses (6906.71) which were over budget by \$4,626 or 6.9%; the OBMP-Data Requests-Non CBWM Staff expenses (6906.72) which were over budget by \$5,137 or 23.8%; the County Extraction Well-Modeling expenses (6909.76) which were over budget by \$40,829 or 100%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$20,831 or 57.4%.

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 \$150,606 while some other line item activities were below the budget by \$234,346. Above the budget line item were the Recharge Master Plan expenses of \$8,454; and the Safe Yield Recalculation expenses of \$142,152. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$8,749; the Chino Airport Plume of \$3,984; the Desalter/Hydraulic Control of \$15,520; the Santa Ana River Water Rights of \$2,743; the Santa Ana River Habitat of \$24,681; the Regional Water Quality Control Board of \$10,288; Storage Agreements of \$42,544; the Prado Basin Habitat Sustainability of \$9,992; SGMA Compliance of \$41,548; OBMP Update of \$52,997; and the WM Unanticipated legal expenses of \$21,300. For the eight months ended February 28, 2019, the overall cumulative (YTD) budget was \$409,532 and the actual (BHFS) legal expenses totaled \$325,792 which resulted in an under-budget variance of \$83,740 or 20.4%.

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 February 28, 2019, this category of expenses was \$1,633 or 28.8% below the budgeted amount of \$5,664.

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 Sevine 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 February 28, 2019, this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$1,135,014 compared to a (YTD) budget of \$1,437,763 for an under budget of \$302,749 or 21.1% as of February 28, 2019.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of February 28, 2019 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 - Feb '19 Actual	Jul '18 - Feb '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	48,119.14	94,315.00	-46,195.86	51.02%	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	54,540.14	101,057.00	-46,516.86	53.97%	147,673.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	42,711.70	39,028.00	3,683.70	109.44%	58,544.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	13,549.23	13,308.00	241.23	101.81%	19,960.00
6906.21 · State of the Basin Report	102,755.40	105,614.00	-2,858.60	97.29%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	17,100.00	-684.65	96.0%	25,650.00
6906.23 · SGMA Reporting Requirements	6,458.50	9,000.00	-2,541.50	71.76%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	3,048.90	5,396.00	-2,347.10	56.5%	8,092.00
6906.26 · 2019 OBMP Update	93,523.10	105,916.00	-12,392.90	88.3%	158,872.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	602.20	11,874.00	-11,271.80	5.07%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	14,968.00	-14,968.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	53,504.22	65,308.00	-11,803.78	81.93%	97,962.00
6906.32 · OBMP - Other General Meetings	34,433.79	54,061.00	-19,627.21	63.69%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	71,321.60	66,696.00	4,625.60	106.94%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	26,700.56	21,564.00	5,136.56	123.82%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	158,028.35	271,256.00	-113,227.65	58.26%	406,884.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	1,881.40	47,979.00	-46,097.60	3.92%	71,967.00
6906.76 · County Extraction Well-Modeling	40,829.44	0.00	40,829.44	100.0%	0.00
6906.81 · Prepare Annual Reports	12,862.20	12,998.00	-135.80	98.96%	19,498.00
6906.9 · OBMP - 2018 RMPU Master Update	57,094.63	36,264.00	20,830.63	157.44%	54,396.00
6906 · OBMP Engineering Services - Other	14,929.50	23,180.00	-8,250.50	64.41%	34,768.00
Total 6906 · OBMP Engineering Services	750,650.07	921,510.00	-170,859.93	81.46%	1,382,262.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	8,749.00	-8,749.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	8,749.00	-3,983.77	54.47%	13,125.00
6907.33 · Desalter/Hydraulic Control	228.73	15,749.00	-15,520.27	1.45%	23,625.00
6907.34 · Santa Ana River Water Rights	8,108.43	10,851.00	-2,742.57	74.73%	16,275.00
6907.36 · Santa Ana River Habitat	4,187.27	28,868.00	-24,680.73	14.51%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	10,500.00	-10,287.60	2.02%	15,750.00
6907.39 · Recharge Master Plan	40,053.50	31,600.00	8,453.50	126.75%	47,400.00
6907.40 · Storage Agreements	19,055.58	61,600.00	-42,544.42	30.93%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	842.40	10,834.00	-9,991.60	7.78%	16,250.00
6907.42 · Safe Yield Recalculation	218,152.02	76,000.00	142,152.02	287.04%	114,000.00
6907.44 · SGMA Compliance	11,051.84	52,600.00	-41,548.16	21.01%	78,900.00
6907.45 · OBMP Update	19,134.93	72,132.00	-52,997.07	26.53%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	21,300.00	-21,300.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	325,792.33	409,532.00	-83,739.67	79.55%	614,300.00
Total 6907 · OBMP Legal Fees	325,792.33	409,532.00	-83,739.67	79.55%	614,300.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	2,619.56	1,000.00	1,619.56	261.96%	1,500.00
6909.3 · Other OBMP Expenses	1,391.00	1,332.00	59.00	104.43%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	3,332.00	-3,332.00	0.0%	5,000.00
6909 · OBMP Other Expenses - Other	20.73	0.00	20.73	100.0%	0.00
Total 6909 · OBMP Other Expenses	4,031.29	5,664.00	-1,632.71	71.17%	8,500.00
6910 · WEI Support for IEUA					
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	1,135,013.83	1,437,763.00	-302,749.17	78.94%	2,152,735.00

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

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

CURRENT MONTH – FEBRUARY 2019

As of February 28, 2019, the total (YTD) Engineering Services expenses were \$560,310 or 15.4% below the (YTD) budget amount of \$3,634,672. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of February 28, 2019, with the exception of the PE4-Engineering expenses (7402) which were over budget by \$3,971 or 4.8%.

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 February 28, 2019. 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 - Feb '19 Actual	Jul '18 - Feb '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6906 · OBMP Engineering Services - Other	14,929.50	23,180.00	-8,250.50	64.41%	34,768.00
6906.1 · OBMP - Watermaster Model Update	42,711.70	39,028.00	3,683.70	109.44%	58,544.00
6906.15 · Integrated Model Mtgs-IEUA Cost	13,549.23	13,308.00	241.23	101.81%	19,960.00
6906.21 · State of the Basin Report	102,755.40	105,614.00	-2,858.60	97.29%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	17,100.00	-684.65	96.0%	25,650.00
6906.23 · SGMA Reporting Requirements	6,458.50	9,000.00	-2,541.50	71.76%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	3,048.90	5,396.00	-2,347.10	56.5%	8,092.00
6906.26 · 2019 OBMP Update	93,523.10	105,916.00	-12,392.90	88.3%	158,872.00
6906.27 · HCP Meetings/Technical Review-IEUA Cos	602.20	11,874.00	-11,271.80	5.07%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	14,968.00	-14,968.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	53,504.22	65,308.00	-11,803.78	81.93%	97,962.00
6906.32 · OBMP - Other General Meetings	34,433.79	54,061.00	-19,627.21	63.69%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	71,321.60	66,696.00	4,625.60	106.94%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	26,700.56	21,564.00	5,136.56	123.82%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	158,028.35	271,256.00	-113,227.65	58.26%	406,884.00
6906.74 · OBMP - Mat'l Physical Injury Requests	1,881.40	47,979.00	-46,097.60	3.92%	71,967.00
6906.76 · County Extraction Well-Modeling	40,829.44	0.00	40,829.44	100.0%	0.00
6906.81 · Prepare Annual Reports	12,862.20	12,998.00	-135.80	98.96%	19,498.00
6906.90 · OBMP - 2018 RMPU Master Update	57,094.63	36,264.00	20,830.63	157.44%	54,396.00
7103.3 · Grdwtr Qual-Engineering	129,540.56	138,828.00	-9,287.44	93.31%	199,243.00
7103.5 · Grdwtr Qual-Lab Svcs	38,475.00	38,820.00	-345.00	99.11%	38,820.00
7104.3 · Grdwtr Level-Engineering	119,622.80	160,219.00	-40,596.20	74.66%	240,328.00
7104.8 · Grdwtr Level-Contracted Services	0.00	6,668.00	-6,668.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	5,332.00	-5,332.00	0.0%	8,000.00
7107.2 · Grd Level-Engineering	28,200.78	73,770.00	-45,569.22	38.23%	98,243.00
7107.3 · Grd Level-SAR Imagery	12,000.00	42,500.00	-30,500.00	28.24%	85,000.00
7107.6 · Grd Level-Contract Svcs	11,687.07	68,395.00	-56,707.93	17.09%	92,227.00
7107.8 · Grd Level-Capital Equipment	0.00	8,460.00	-8,460.00	0.0%	12,692.00
7108.31 · Hydraulic Control-PBHSP	33,090.43	51,439.00	-18,348.57	64.33%	77,159.00
7108.4 · Hydraulic Control-Lab Svcs	6,098.00	6,779.00	-681.00	89.95%	9,038.00
7108.41 · Hydraulic Control-PBHSP	2,100.00	10,017.00	-7,917.00	20.96%	15,026.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	6,668.00	-6,668.00	0.0%	10,000.00
7109.3 · Recharge & Well - Engineering	4,732.80	16,832.00	-12,099.20	0.0%	25,248.00
7202.2 · Comp Recharge-Engineering Services	19,117.26	61,092.00	-41,974.74	31.29%	91,640.00
7303 · PE3&5-Engineering - Other	0.00	6,508.00	-6,508.00	0.0%	9,760.00
7402 · PE4-Engineering	85,910.67	81,940.00	3,970.67	104.85%	104,910.00
7402.10 · PE4-MZ1 Pomona Project	1,680,159.06	1,685,705.00	-5,545.94	99.67%	1,703,417.00
7403 · PE4-Contract Svcs	0.00	6,668.00	-6,668.00	0.0%	10,000.00
7502 · PE6&7-Engineering	37,550.20	58,608.00	-21,057.80	64.07%	87,912.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	21,516.97	78,394.00	-56,877.03	27.45%	108,178.00
7602 · PE8&9-Engineering	93,910.61	99,520.00	-5,609.39	94.36%	105,348.00
Total Engineering Services Costs	3,074,362.28	3,634,672.00	-560,309.72	84.58%	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)

December 2018:

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 second ECAC report for the current fiscal year has been provided for the period ending December 31, 2018 and shows a projected under budget at fiscal year-end June 30, 2019 of \$109,668.

The second quarter ECAC report (for the months July 2018 – December 2018) is listed below:

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

Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of December 31, 2018

Acct #	Description	Original Budget	Revised Budget	Billed Jul-18	Billed Aug-18	Billed Sep-18	Billed Oct-18	Billed Nov-18	Billed Dec-18	Projected Jan-19
6905	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 58,101	\$ 33,162	\$ 21,254	\$ 60,179
6906.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	5,720	15,596	7,808	19,515
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	26,984	27,194	2,916	-	-	-	-
6906.26	2019 OBMP Update	158,872	158,872	-	-	5,755	14,769	3,721	11,021	25,600
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,068	6,831	13,344	13,100
6906.21	State of the Basin Report	158,423	158,423	-	-	3,468	22,571	25,329	14,744	7,700
6906.27	IEUA - HCP Meetings and Technical Review	17,810	17,810	-	-	-	-	-	-	1,500
6906.15	IEUA - Integrated Model Meetings and Technical	19,960	19,960	2,360	2,647	7,114	4,296	4,890	1,807	3,700
6906.16	CBEWP Evaluation and Conceptual Design Supp	-	-	-	-	-	-	4,587	7,775	5,000
7103.3	GW and SW Quality - Engineering Services	199,243	199,243	19,277	24,783	27,251	34,550	6,666	5,164	11,625
7103.5	GW and SW Quality - Laboratory Services	62,884	62,884	1,634	18,212	11,761	11,136	846	1,050	2,432
7104.3	GW Level - Engineering Services	240,328	240,328	8,399	12,464	22,193	18,801	16,488	19,432	14,680
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.90	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,802	1,111	2,700
7107.2	Ground Level - Engineering Services	71,789	96,611	4,468	3,593	2,692	7,691	3,144	1,791	10,675
7107.3	Ground Level - SAR Imagery	66,632	66,632	12,000	-	-	-	-	-	18,632
7107.6	Ground Level - Contract Services	71,500	92,227	9,371	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,692	12,692	-	-	-	170	172	85	500
7108.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	184	921	3,507	3,806	12,900	20,100
7108.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,248	25,248	-	1,446	-	-	1,734	-	-
7202.2	Comp Recharge - Engineering Services	91,640	91,640	2,011	2,060	8,854	647	301	2,255	6,200
7303	OBMP - Engineering Services - Desalters	9,760	9,760	-	-	-	-	-	-	613
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,826	22,200	17,059	3,382	1,366	612	5,596
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	170,417	1,620	5,160	19,929	16,093	7,826	11,509	432,652
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	87,912	856	1,416	15,950	10,557	2,146	-	4,722
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,176	-	-	3,751	21,792	34,135	4,482	45,000
7602	Storage Management/Conjunctive Use	105,348	105,348	49,881	18,396	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,524,451	\$ 199,728	\$ 199,943	\$ 216,630	\$ 240,861	\$ 175,954	\$ 138,652	\$ 712,621

2/5/2019--11:35 AM
2018-19CBWM_Invoice_Summary_ISBM_20190122--Projection Summary



Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of December 31, 2018

Acct #	Description	Projected Feb-19	Projected Mar-19	Projected Apr-19	Projected May-19	Projected Jun-19	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6905	OBMP Engineering	\$ 45,225	\$ 48,625	\$ 39,229	\$ 35,029	\$ 35,029	\$ 465,705	\$ 465,705	\$ 41,859	18%	92%
6906.1	OBMP - Watermaster Model Applications	3,757	-	-	-	-	52,395	52,395	6,149	0%	89%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,055	57,055	(2,699)	105%	105%
6906.26	2019 OBMP Update	25,600	25,600	25,600	25,600	21,600	164,886	164,886	(26,014)	4%	116%
6906.73	2020 Safe Yield Recalculation	65,637	65,637	65,637	65,637	65,637	406,864	406,864	-	9%	100%
6906.21	State of the Basin Report	22,000	19,000	13,000	20,000	11,000	153,911	156,811	(389)	2%	100%
6906.27	IEUA - HCP Meetings and Technical Review	1,500	1,500	1,500	1,500	1,500	9,000	4,500	13,310	0%	25%
6906.15	IEUA - Integrated Model Meetings and Technical	3,700	3,700	3,700	3,700	3,700	44,513	22,257	(2,297)	61%	112%
6906.16	CBEWP Evaluation and Conceptual Design Supp	20,000	20,000	-	-	-	57,362	-	-	n/a	n/a
7103.3	GW and SW Quality - Engineering Services	20,593	20,000	5,925	3,594	20,708	205,537	205,537	(6,294)	36%	103%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,050	51,005	51,005	11,879	50%	81%
7104.3	GW Level - Engineering Services	24,894	23,768	14,052	25,421	24,668	227,179	227,179	13,149	18%	65%
7104.8	GW Level - Contract Services	-	-	-	5,000	-	5,000	5,000	5,000	0%	50%
7104.9	GW Level - Capital Services	-	-	-	5,000	-	12,565	12,565	(4,555)	12%	157%
7107.2	Ground Level - Engineering Services	9,176	8,976	13,856	8,300	8,373	62,754	62,754	13,575	11%	86%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	66,632	66,632	-	14%	100%
7107.6	Ground Level - Contract Services	4,950	4,950	37,000	15,000	20,956	92,227	92,227	-	10%	100%
7107.8	Ground Level - Capital Equipment	500	500	500	500	500	3,427	3,427	9,265	0%	27%
7108.31	IEUA - Prado Basin Habitat Monitoring	38,004	34,560	20,600	12,000	7,658	155,239	77,820	(451)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	10,000	-	-	19,933	9,468	534	69%	95%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	6,000	4,000	-	20,162	20,162	5,096	6%	80%
7202.2	Comp Recharge - Engineering Services	7,507	4,700	4,700	7,507	4,700	51,442	51,442	40,199	14%	56%
7303	OBMP - Engineering Services - Desalters	813	813	813	813	813	4,860	4,860	4,380	0%	50%
7402	OBMP - Engineering Services - MZ1	5,000	6,350	5,500	6,000	6,500	104,572	104,572	338	61%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	339,566	342,632	351,117	63,120	67,500	1,739,617	1,736,617	(35,200)	2%	102%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	10,000	0%	0%
7502	OBMP - Engineering Services - WQC	10,395	21,360	8,930	5,705	5,000	67,038	67,038	874	21%	59%
7510	IEUA - Update Recycled Water Permit - Salinity	45,000	45,000	45,000	45,000	38,651	327,811	106,176	-	3%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	89%	89%
Totals		\$ 755,816	\$ 760,840	\$ 674,790	\$ 364,126	\$ 365,541	\$ 4,805,620	\$ 4,414,783	\$ 109,668	14%	98%

Note: Billed includes MWH Laboratory invoices paid directly by Watermaster.

2/5/2019--11:35 AM
2018-19CBWM_Invoice_Summary_ISBM_20190122--Projection Summary



Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time for the Engineering Services.

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

The Fiscal Year 2018/19 Progress and Estimated Cost at Completion for the Period July 1, 2018 through December 31, 2018 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/2c5a4463b20ca2/?modal=1>

The third quarter ECAC report is scheduled to be issued early May 2019 for the period July 1, 2018 through March 31, 2019.

October 2018:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2018 and shows a projected under budget at fiscal year-end June 30, 2019 of \$68,057.

The first quarter ECAC report (for the months July 2018 – September 2018) is listed below:

Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of September 30, 2018

Acct #	Description	Original Budget	Revised Budget	Billed Jul-18	Billed Aug-18	Billed Sep-18	Projected Oct-18	Projected Nov-18	Projected Dec-18	Projected Jan-19
6906	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 58,796	\$ 60,882	\$ 49,233	\$ 50,297
6906.1	OBMP - Watermaster Model Applications	58,544	58,544	-	-	-	6,000	9,757	19,515	19,515
6906.9	2018 RMPU Recharge Master Update	54,396	54,396	26,984	27,194	2,916	-	-	-	-
6906.26	2019 OBMP Update	158,872	158,872	-	-	5,755	14,789	17,291	17,291	17,291
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,098	-	-	60,326
6906.21	State of the Basin Report	158,423	158,423	-	-	3,468	22,000	19,000	18,000	16,000
6906.27	IEUA - HCP Meetings and Technical Review	17,810	17,810	-	-	-	-	-	3,000	3,000
6906.15	IEUA - Integrated Model Meetings and Technical	19,960	19,960	2,360	2,647	7,114	4,296	2,500	2,500	2,500
7103.3	GW and SW Quality - Engineering Services	199,243	199,243	19,277	24,783	27,251	34,275	13,475	9,050	7,575
7103.5	GW and SW Quality - Laboratory Services	62,884	62,884	1,634	18,212	11,761	11,242	2,000	1,050	2,132
7104.3	GW Level - Engineering Services	240,328	240,328	8,399	12,464	22,193	18,884	25,194	25,532	14,424
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	5,000	-	-
7104.90	GW Level - Capital Services	8,000	8,000	-	-	972	-	1,900	-	2,700
7107.2	Ground Level - Engineering Services	71,789	96,611	4,488	3,593	2,692	7,691	4,500	5,800	9,476
7107.3	Ground Level - SAR Imagery	86,632	86,632	12,000	-	-	-	-	-	18,632
7107.6	Ground Level - Contract Services	71,500	92,227	9,371	-	-	-	-	-	-
7107.8	Ground Level - Capital Equipment	12,692	12,692	-	-	-	170	1,900	1,000	1,000
7108.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	184	921	3,400	17,950	40,000	24,250
7108.6	IEUA - PBHSP - Outside Pro	10,000	10,000	-	8,933	-	-	-	10,000	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,248	25,248	-	1,448	-	-	2,000	2,000	2,000
7202.2	Comp Recharge - Engineering Services	91,640	91,640	2,011	2,060	8,854	650	7,007	4,200	4,200
7303	OBMP - Engineering Services - Desalters	9,760	9,760	-	-	-	-	813	813	813
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,626	22,200	17,059	3,362	500	500	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	1,703,417	1,620	5,160	19,923	16,200	43,129	111,200	133,000
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	87,912	87,912	856	1,416	15,950	10,500	-	-	7,222
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,178	-	-	3,751	22,000	35,000	45,000	45,000
7602	Storage Management/Conjunctive Use	105,348	105,348	49,881	18,396	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,524,451	\$ 199,728	\$ 199,943	\$ 216,630	\$ 241,363	\$ 267,999	\$ 365,684	\$ 443,353

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2018-19CBWM Invoice_Summary_ISBM_1st Qtr Forecast--Projection Summary



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

Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of September 30, 2018

Acct #	Description	Projected Feb-19	Projected Mar-19	Projected Apr-19	Projected May-19	Projected Jun-19	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 41,197	\$ 49,397	\$ 41,100	\$ 36,900	\$ 36,900	\$ 514,565	\$ 514,565	\$ (7,191)	18%	101%
6906.1	OBMP - Watermaster Model Applications	3,757	-	-	-	-	58,544	58,544	-	0%	100%
6906.9	2018 RMPU Recharge Master Update	-	-	-	-	-	57,095	57,095	(2,699)	105%	105%
6906.26	2019 OBMP Update	17,291	17,291	17,291	17,291	17,291	158,872	158,872	-	4%	100%
6906.73	2020 Safe Yield Recalculation	60,326	60,326	60,326	60,326	60,326	406,884	406,884	-	9%	100%
6906.21	State of the Basin Report	12,000	11,000	20,000	21,000	15,955	158,423	158,423	-	2%	100%
6906.27	IEUA - HCP Meetings and Technical Review	3,000	3,000	3,000	3,000	3,000	21,000	10,500	7,310	0%	59%
6906.15	IEUA - Integrated Model Meetings and Technical	2,500	2,500	2,500	2,500	2,500	36,417	18,209	1,752	61%	91%
7103.3	GW and SW Quality - Engineering Services	22,593	20,000	5,925	8,594	20,708	213,505	213,505	(14,262)	36%	107%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	2,132	-	1,050	52,263	52,263	10,621	50%	83%
7104.3	GW Level - Engineering Services	22,577	23,932	14,052	22,121	24,668	234,450	234,450	5,878	18%	98%
7104.8	GW Level - Contract Services	-	-	-	5,000	-	10,000	10,000	-	0%	100%
7104.9	GW Level - Capital Services	-	-	-	4,000	-	8,672	8,672	(672)	12%	108%
7107.2	Ground Level - Engineering Services	10,976	8,976	14,543	7,600	10,276	90,809	90,809	5,802	11%	94%
7107.3	Ground Level - SAR Imagery	-	55,000	-	-	-	86,632	86,632	-	14%	100%
7107.6	Ground Level - Contract Services	4,950	4,950	37,000	15,000	20,956	92,227	92,227	-	10%	100%
7107.8	Ground Level - Capital Equipment	1,000	1,000	1,000	1,000	1,000	8,170	8,170	4,522	0%	64%
7108.31	IEUA - Prado Basin Habitat Monitoring	27,820	22,078	12,600	5,500	500	165,202	77,601	(442)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	18,933	9,466	534	89%	95%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	6,000	4,000	-	24,448	24,448	800	6%	97%
7202.2	Comp Recharge - Engineering Services	7,007	4,200	4,200	7,007	4,200	55,596	55,596	36,044	14%	61%
7303	OBMP - Engineering Services - Desalters	813	813	813	813	813	6,507	6,507	3,253	0%	67%
7402	OBMP - Engineering Services - MZ1	5,500	6,000	5,500	6,000	6,500	99,948	99,948	4,962	61%	95%
7402.1	OBMP - Engineering Services - Northwest MZ1	1,231,420	35,618	31,700	45,900	38,720	1,713,590	1,713,590	(10,173)	2%	101%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	10,000	0%	0%
7502	OBMP - Engineering Services - WQC	10,395	21,360	8,930	5,705	5,000	87,335	87,335	577	21%	99%
7510	IEUA - Update Recycled Water Permit - Salinity	40,000	35,000	35,000	35,000	32,050	327,801	108,174	4	3%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	89%	89%
Totals		\$ 1,526,122	\$ 390,492	\$ 323,612	\$ 314,457	\$ 302,414	\$ 4,791,796	\$ 4,456,394	\$ 68,057	14%	98%

Note: Billed includes MWH Laboratory invoices paid directly by Watermaster.

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2018-19CBWM_Invoice_Summary_ISSM_1st Qtr Forecast-Projection Summary



Watermaster does not plan to present any Budget Transfers or Budget Amendments at this time.

The Fiscal Year 2018/19 Progress and Estimated Cost at Completion for the Period July 1, 2018 through September 30, 2018 report from Wildermuth Environmental, Inc. is provided. Please access this link: <https://cbwm.syncedtool.com/shares/file/f76c63c4c92aa9/?modal=1>

The second ECAC report is scheduled to be issued in mid-February 2019 for the period July 1, 2018 through December 31, 2018.

July 2018:

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

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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.

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.

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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 - Feb. 2019	\$ 66,180.85	\$ (33,090.43)	\$ -	\$ 33,090.43
Totals	\$ 66,180.85	\$ (33,090.43)	\$ -	\$ 33,090.43
	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

There were no other significant items to report within the category of Other Income and Expenses for the month ending February 28, 2019.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2018:

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.

"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 – FEBRUARY 2019

As of February 28, 2019, the total (YTD) amount remaining of the "Carried Over" funding is \$1,672,676.46 (\$4,728,140.07 - \$3,055,463.61 = \$1,672,676.46).

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 - MVWD 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 Decluz 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, 2018	\$ 4,728,140.07				

"Carried Over" Balance, July 1, 2018	\$	4,728,140.07			
Less: (Invoices Received To Date FY 2018/19)					
Grd Level - MVWD SCADA Reimbursement	\$	(52,332.95)	B	7107.63	
Ground Level - Engineering Services	\$	(24,822.00)	C	7107.2 ²	
Ground Level - Contract Services	\$	(11,687.07)	D	7107.6 ³	
PE4 - Northwest MZ-1 Area Project	\$	(1,530,279.00)	E	7402.1 ⁴	
PE6&7-IEUA Salinity Mgmt. Plan	\$	(18,825.00)	F	7510 ⁵	
Jurupa Pumping Station (TO #5)	\$	(37,981.33)	G	7209.1 ¹	Budget Transfer T-18-07-01 (OUT)
Wineville Basin Proof of Concept (TO #6)	\$	(35,397.53)	H	7209.2 ¹	Budget Transfer T-18-07-01 (OUT)
RMPU Amendment (TO #1)	\$	690,258.97	I	7690.15	Budget Transfer T-18-07-01 (IN)
RMPU Amendment (TO #1)	\$	(1,223,387.58)	I	7690.15	Invoices Paid
Hickory Basin Recharge Improvement Project	\$	(3,877.00)	K	7690.3 ¹	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(106,590.18)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(1,126,900.00)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
San Sevaine Recharge Improvement Project (TO #8)	\$	(1,065,600.00)	L	7690.4	Budget Transfer T-18-07-01 (OUT)
CB20 Turnout Noise Abatement Project	\$	(859.80)	M	7690.5 ¹	Budget Transfer T-18-07-01 (OUT)
GWR SCADA Upgrades (TO #4)	\$	(29,590.05)	N	7690.61	
Lower Day Basin RMPU (TO #2)	\$	414,540.85	P	7690.8	Budget Transfer T-18-07-01 (IN)
Lower Day Basin RMPU (TO #2)	\$	(164,539.96)	P	7690.8	Invoices Paid
Funds on Hold for Projects	\$	1,272,406.02	Q	7690.9	Budget Transfer T-18-07-01 (IN)
Updated Balance as of February 28, 2019	\$	<u>1,672,676.46</u>			

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 the Appropriative Pool as a credit through the Assessment invoicing.

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

Updated Balance as of February 28, 2019

Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18	ADMIN
Grd Level - MVWD SCADA Reimbursement	\$	4,713.30	B	7107.63	FY 2017/18	ADMIN
Ground Level - Engineering Services	\$	-	C	7107.2 ²	FY 2017/18	ENG
Ground Level - Contract Services	\$	9,039.93	D	7107.6 ³	FY 2017/18	ENG
PE4 - Northwest MZ-1 Area Project	\$	-	E	7402.1 ⁴	FY 2017/18	ENG
PE6&7-IEUA Salinity Mgmt. Plan	\$	-	F	7510 ⁵	FY 2017/18	ENG
Jurupa Pumping Station (TO #5)	\$	-	G	7209.1 ¹	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$	-	H	7209.2 ¹	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$	56,794.57	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	\$	-	K	7690.3 ¹	FY 2013/14	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2015/16	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$	-	L	7690.4	FY 2016/17	PROJ
CB20 Turnout Noise Abatement Project	\$	-	M	7690.5 ¹	FY 2013/14	PROJ
GWR SCADA Upgrades (TO #4)	\$	7,025.00	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)	\$	255,288.43	P	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$	1,272,406.02	Q	7690.9	Budget Transfer T-18-07-01 (IN)	
Updated Balance as of February 28, 2019	\$	<u>1,672,676.46</u>				

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

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 – MVWD 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 August 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 2018/19:

The auditors from the audit firm of Fedak & Brown LLP are scheduled for an onsite visit at the Watermaster office on the week of April 15, 2019. This will be the start of the interim field work for the period of July 1, 2018 through February 28, 2019. The final field work for the period of March 1, 2019 through June 30, 2019 will be scheduled for the week of August 5, 2019. The Annual Financial and Audit Reports are scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 24, 2019 Board meeting. The Annual Financial and Audit Reports for FY 2018/19 are scheduled for posting to the Watermaster website no later than October 31, 2019.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

October 2018:

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

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 were 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 were posted to the Watermaster website on the afternoon of October 25, 2018.

ASSESSMENT INVOICING

CURRENT MONTH – FEBRUARY 2019

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

PREVIOUSLY REPORTED ACTIONS (Descending Order)

January 2019:

The Non-Agricultural Pool approved a Special Assessment of \$35,000 for ongoing legal services during a Confidential Session on January 10, 2019. The additional amount of \$35,000 was allocated based upon 2017-2018 actual production (same as the initial \$60,000 invoiced on November 15, 2018). The action of the Pool increased the FY 2018/19 budget (account 8567) from \$60,000 to \$95,000. Watermaster staff created and emailed the Special Assessment invoices on Monday, January 14, 2019. The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Thursday, February 14, 2019. As in prior years, payments could be made by either check, wire transfer, or ACH payment. To date, all payments have been received.

December 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments could be made by either check, wire transfer, or ACH payment.

As of December 17, 2018, all but one payment had been received. The one late payment from TAMCO in the amount of \$1,768.92 was received on January 15, 2019. Per the Judgment, a late payment fee of \$13.57 was assessed on January 15, 2019 and payment on the late fee was received by TAMCO on January 31, 2019.

November 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments could be made by either check, wire transfer, or ACH payment.

As of December 17, 2018, all but one payment had been received. The one late payment from TAMCO in the amount of \$1,768.92 has not been received as of the report date. Watermaster is in contact with the representatives from TAMCO (now CMC Steel California), and they assure Watermaster that payment is being processed and will be issued. It appears that with the change in ownership from TAMCO to CMC Steel California, a delay in processing with the accounts payable office in Dallas resulted in the late payment. Upon receipt of the payment, a late payment invoice will be generated and issued to CMC Steel California.

Per the Judgment Section VI, 55 (c) Delinquency. Any delinquent assessment shall bear interest at 10% per annum (or such greater rate as shall equal the average current cost of borrowed funds to the Watermaster) from the due date thereof. Such delinquent assessment and interest may be collected in a show-cause proceeding herein instituted by the Watermaster, in which case the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

October 2018:

The Watermaster Board approved the FY 2018-2019 Assessment Package (Production Year 2017-2018) at the November 15, 2018 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 15, 2018 (Non-Agricultural Pool) and Friday, November 16, 2018 (Appropriative Pool). The Assessment invoices are due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 17, 2018. As in prior years, payments can be made by either check, wire transfer, or ACH payment.

This year's Assessment invoicing included the standard Assessment amounts per the Assessment Package, along with any Special Assessments and "Excess Cash Reserve" refund credits. The Appropriative Pool had a Special Assessment of \$75,000 as approved during the budgeting process. The \$75,000 was allocated to the Appropriative Pool members based upon a prorated formula of 50% Operating Safe Yield (OSY) and 50% physical production numbers from FY 2017/18.

The Non-Agricultural Pool had a Special Assessment of \$60,000 as approved during a Confidential Session on April 12, 2018. The \$60,000 was allocated to the Non-Agricultural Pool members based upon the actual production numbers from 2017/18.

For this fiscal year, there were no refunds due regarding the Excess Cash Reserve refunds to the Appropriative Pool members and the Non-Agricultural Pool members. The Excess Cash Reserve-Recharge Debt Payment refund of \$57,732 was refunded to the Appropriative Pool members based upon the pro rata share of FY 2017/18 Recharge Debt Assessments paid. The refunds were applied as credits on the Assessment invoices and allocated based upon last year's percentage of assessments paid.

September 2018:

The FY 2018/19 Assessment Package (Draft) was presented at Workshop #1 on Tuesday, October 23, 2018 at 1:00pm. Workshop #2 for the FY 2018/19 Assessment Package (Draft) was held on Tuesday, October 30, 2018 at 1:00pm.

The FY 2018/19 Assessment Package is scheduled for presentation to the Appropriative and Non-Agricultural Pools on Thursday, November 8, 2018 and to the Agricultural Pool on Tuesday, November 13, 2018. The FY 2018/19 Assessment Package will be presented to the Advisory Committee and Board on Thursday, November 15, 2018.

If the FY 2018/19 Assessment Package is approved by the Advisory Committee and adopted by the Board on Thursday, November 15, 2018, the Assessment invoices will be issued by Watermaster no later than Friday, November 16, 2018 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 17, 2018. As past practice, payment can be made to Watermaster by either a wire transfer or check. Per the judgment, late fees could be assessed for any payment not received as of 5:00pm on Monday, December 17, 2018.

August 2018:

The FY 2018/19 Assessment Package (Draft) is scheduled for presentation at Workshop #1 on Tuesday, October 23, 2018 at 1:00pm. If needed, the FY 2018/19 Assessment Package (Draft) is also scheduled for presentation at Workshop #2 on Tuesday, October 30, 2018 at 1:00pm.

The FY 2018/19 Assessment Package is scheduled for presentation to the Pools on Thursday, November 8, 2018 and to the Advisory Committee and Board on Thursday, November 15, 2018.

If the FY 2018/19 Assessment Package is approved by the Advisory Committee and adopted by the Board on Thursday, November 15, 2018, the Assessment invoices will be issued by Watermaster no later than Friday, November 16, 2018 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 17, 2018. As past practice, payment can be made to Watermaster by either a wire transfer or check. Per the judgment, late fees could be assessed for any payment not received as of 5:00pm on Monday, December 17, 2018.

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

ATTACHMENTS

1. Financial Report - B5

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	1/12th (8.33%) of the Total Budget				8/12th (66.67%) of the Total Budget				100% of the Total Budget			
	For The Month of February 2019				Year-To-Date as of February 28, 2019				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	0.00	0.00	0.00	0.0%	167,712.36	167,712.00	0.36	100.0%	167,712.36	167,712.00	0.36	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	8,298,614.95	8,301,750.00	-3,135.05	99.96%	8,298,614.95	8,301,750.00	-3,135.05	99.96%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	392,157.18	388,795.00	3,362.18	100.87%	392,157.18	388,795.00	3,362.18	100.87%
4700 · Non Operating Revenues	9.09	0.00	9.09	100.0%	88,664.06	31,986.00	56,678.06	277.2%	193,154.97	63,968.00	129,186.97	301.96%
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	9.09	0.00	9.09	100.0%	8,947,148.55	8,890,243.00	56,905.55	100.64%	9,051,639.46	8,922,225.00	129,414.46	101.45%
Gross Profit	9.09	0.00	9.09	100.0%	8,947,148.55	8,890,243.00	56,905.55	100.64%	9,051,639.46	8,922,225.00	129,414.46	101.45%
Expense												
6010 · Admin. Salary/Benefit Costs	83,993.34	80,993.00	3,000.34	103.7%	758,079.25	709,109.00	48,970.25	106.91%	1,097,759.58	1,062,695.00	35,064.58	103.3%
6020 · Office Building Expense	9,680.67	8,983.00	697.67	107.77%	72,508.92	75,467.00	-2,958.08	96.08%	111,378.08	112,399.00	-1,020.92	99.09%
6030 · Office Supplies & Equip.	1,335.38	2,125.00	-789.62	62.84%	19,173.08	31,675.00	-12,501.92	60.53%	36,114.00	38,500.00	-2,386.00	93.8%
6040 · Postage & Printing Costs	6,617.43	3,619.00	2,998.43	182.85%	28,212.20	30,832.00	-2,619.80	91.5%	45,692.38	47,142.00	-1,449.62	96.93%
6050 · Information Services	11,722.12	13,028.00	-1,305.88	89.98%	109,317.26	116,444.00	-7,126.74	93.88%	162,154.24	163,656.00	-1,501.76	99.08%
6060 · Contract Services	2,219.84	0.00	2,219.84	100.0%	33,835.55	43,925.00	-10,089.45	77.03%	44,085.42	45,125.00	-1,039.58	97.7%
6070 · Watermaster Legal Services	41,470.13	13,001.00	28,469.13	318.98%	328,053.86	104,010.00	224,043.86	315.41%	391,286.39	156,015.00	235,271.39	250.8%
6080 · Insurance	0.00	0.00	0.00	0.0%	35,660.67	28,815.00	6,845.67	123.76%	37,547.67	30,315.00	7,232.67	123.86%
6110 · Dues and Subscriptions	128.22	150.00	-21.78	85.48%	30,142.22	30,845.00	-702.78	97.72%	34,414.50	34,590.00	-175.50	99.49%
6140 · WM Admin Expenses	0.00	50.00	-50.00	0.0%	1,546.38	1,650.00	-103.62	93.72%	2,032.83	2,350.00	-317.17	86.5%
6150 · Field Supplies	0.00	0.00	0.00	0.0%	1,262.23	1,299.00	-36.77	97.17%	1,430.94	1,550.00	-119.06	92.32%
6170 · Travel & Transportation	1,603.47	2,355.00	-751.53	68.09%	13,035.37	16,140.00	-3,104.63	80.76%	22,442.09	24,170.00	-1,727.91	92.85%
6190 · Training, Conferences, Seminars	2,700.41	2,565.00	135.41	105.28%	24,307.09	25,497.00	-1,189.91	95.33%	36,870.89	37,857.00	-986.11	97.4%
6200 · Advisory Comm - WM Board	461.68	3,965.00	-3,503.32	11.64%	27,526.98	31,099.00	-3,572.02	88.51%	44,982.36	47,539.00	-2,556.64	94.62%
6300 · Watermaster Board Expenses	11,913.34	28,542.00	-16,628.66	41.74%	108,788.22	125,555.00	-16,766.78	86.65%	171,971.96	178,980.00	-7,008.04	96.08%
8300 · Appr PI-WM & Pool Admin	12,586.40	11,677.00	909.40	107.79%	101,842.19	92,972.00	8,870.19	109.54%	155,798.92	140,552.00	15,246.92	110.85%
8400 · Agri Pool-WM & Pool Admin	3,401.37	5,173.00	-1,771.63	65.75%	27,791.93	40,626.00	-12,834.07	68.41%	57,986.73	62,054.00	-4,067.27	93.45%
8467 · Ag Legal & Technical Services	40,425.00	17,083.00	23,342.00	236.64%	256,441.73	136,667.00	119,774.73	187.64%	370,314.39	205,000.00	165,314.39	180.64%
8470 · Ag Meeting Attend -Special	900.00	1,850.00	-950.00	48.65%	10,375.00	14,800.00	-4,425.00	70.1%	15,600.00	22,200.00	-6,600.00	70.27%
8471 · Ag Pool Expense	0.00	0.00	0.00	0.0%	14,018.00	50,000.00	-35,982.00	28.04%	42,054.00	85,000.00	-42,946.00	49.48%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	200.00	-200.00	0.0%	200.00	400.00	-200.00	50.0%
8500 · Non-Ag PI-WM & Pool Admin	15,401.62	12,137.00	3,264.62	126.9%	114,533.55	95,788.00	18,745.55	119.57%	182,856.09	144,837.00	38,019.09	126.25%
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	-19,890.19	-34,935.00	15,044.81	56.94%	-142,746.89	-279,482.00	136,735.11	51.08%	-251,077.61	-419,223.00	168,145.39	59.89%
6900 · Optimum Basin Mgmt Plan	206,898.29	177,933.00	28,965.29	116.28%	1,135,013.83	1,437,763.00	-302,749.17	78.94%	2,123,536.99	2,152,735.00	-29,198.01	98.64%
9501 · G&A Expenses Allocated-OBMP	5,855.83	10,044.00	-4,188.17	58.3%	27,640.87	80,356.00	-52,715.13	34.4%	58,747.39	120,532.00	-61,784.61	48.74%
7101 · Production Monitoring	4,062.42	4,995.00	-932.58	81.33%	42,456.87	43,414.00	-957.13	97.8%	55,618.62	64,875.00	-9,256.38	85.73%
7102 · In-line Meter Installation	0.00	31,566.00	-31,566.00	0.0%	0.00	253,450.00	-253,450.00	0.0%	0.00	380,107.00	-380,107.00	0.0%
7103 · Grdwtr Quality Monitoring	3,752.13	21,831.00	-18,078.87	17.19%	193,105.24	235,342.00	-42,236.76	82.05%	374,510.24	324,329.00	50,181.24	115.47%
7104 · Gdwtr Level Monitoring	15,823.02	27,389.00	-11,565.98	57.77%	172,084.81	222,530.00	-50,445.19	77.33%	262,792.77	333,553.00	-70,760.23	78.79%
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	8,996.46	19,542.00	-10,545.54	46.04%	106,524.97	301,711.25	-195,186.28	35.31%	370,014.28	424,094.25	-54,079.97	87.25%

P49

	1/12th (8.33%) of the Total Budget				8/12th (66.67%) of the Total Budget				100% of the Total Budget			
	For The Month of February 2019				Year-To-Date as of February 28, 2019				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	8,798.50	7,992.00	806.50	110.09%	41,288.43	81,249.00	-39,960.57	50.82%	85,663.34	120,704.00	-35,040.66	70.97%
7109 · Recharge & Well Monitoring Prog	1,550.40	2,104.00	-553.60	73.69%	4,732.80	16,832.00	-12,099.20	28.12%	19,345.20	25,248.00	-5,902.80	76.62%
7200 · PE2- Comp Recharge Pgm	26,066.35	12,301.00	13,765.35	211.9%	675,055.28	990,298.00	-315,242.72	68.17%	1,358,003.68	1,334,437.00	23,566.68	101.77%
7300 · PE3&5-Water Supply/Desalte	0.00	2,640.00	-2,640.00	0.0%	1,474.40	22,000.00	-20,525.60	6.7%	29,423.20	32,934.00	-3,510.80	89.34%
7400 · PE4- Mgmt Plan	59,643.98	61,974.00	-2,330.02	96.24%	1,779,959.21	1,782,617.00	-2,657.79	99.85%	1,828,246.00	1,830,746.00	-2,500.00	99.86%
7500 · PE6&7-CoopEfforts/SaltMgmt	7,105.65	15,581.00	-8,475.35	45.61%	60,384.90	144,037.00	-83,652.10	41.92%	196,626.25	206,603.00	-9,976.75	95.17%
7600 · PE8&9-StorageMgmt/Conj Use	193.51	3,003.00	-2,809.49	6.44%	99,082.38	114,042.00	-14,959.62	86.88%	125,978.43	127,048.00	-1,069.57	99.16%
7690 · Recharge Improvement Debt Pymt	0.00	0.00	0.00	0.0%	1,998,102.59	3,649,525.82	-1,651,423.23	54.75%	3,634,525.82	3,649,525.82	-15,000.00	99.59%
7700 · Inactive Well Protection Prgm	0.00	42.00	-42.00	0.0%	0.00	334.00	-334.00	0.0%	450.00	500.00	-50.00	90.0%
9502 · G&A Expenses Allocated-Projects	14,034.36	24,891.00	-10,856.64	56.38%	115,106.02	199,127.00	-84,020.98	57.81%	192,330.22	298,691.00	-106,360.78	64.39%
Total Expense	589,451.13	596,179.00	-6,727.87	98.87%	8,425,717.39	11,098,561.07	-2,672,843.68	75.92%	13,529,708.29	13,650,365.07	-120,656.78	99.12%
Net Ordinary Income	-589,442.04	-596,179.00	6,736.96	98.87%	521,431.16	-2,208,318.07	2,729,749.23	-23.61%	-4,478,068.83	-4,728,140.07	250,071.24	94.71%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	788,271.21	0.00	788,271.21	100.0%	788,271.21	0.00	788,271.21	100.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	7,968.12	0.00	7,968.12	100.0%	7,968.12	0.00	7,968.12	100.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	1,689.16	0.00	1,689.16	100.0%	15,000.00	0.00	15,000.00	100.0%
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%	797,928.49	0.00	797,928.49	100.0%	811,239.33	0.00	811,239.33	100.0%
Other Expense												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	29,084.30	0.00	29,084.30	100.0%	796,000.00	0.00	796,000.00	100.0%
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%	57,732.00	0.00	57,732.00	100.0%	57,732.00	0.00	57,732.00	100.0%
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%	86,816.30	0.00	86,816.30	100.0%	853,732.00	0.00	853,732.00	100.0%
Net Other Income	0.00	0.00	0.00	0.0%	711,112.19	0.00	711,112.19	100.0%	-42,492.67	0.00	-42,492.67	100.0%
Net Income	-589,442.04	-596,179.00	6,736.96	98.87%	1,232,543.35	-2,208,318.07	3,440,861.42	-55.81%	-4,520,561.50	-4,728,140.07	207,578.57	95.61%

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

CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR
- C. 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: April 25, 2019
TO: Board Members
SUBJECT: Summary and Analysis of Application for Water Transaction
(Consent Calendar Item I.C.)

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 – April 25, 2019: Approval (within Watermaster powers and duties).

ACTIONS:

Appropriative Pool – March 14, 2019: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

Non-Agricultural Pool – March 14, 2019: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve, subject to changes which they deem appropriate.

Agricultural Pool – March 14, 2019: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve.

Advisory Committee – April 18, 2019: Unanimously recommended to the Watermaster Board to approve.

Watermaster Board – April 25, 2019:

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

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 December 11, 2018. Notice of the transaction was transmitted electronically and mailed on March 8, 2019, 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 March 24, 2019 meetings. The Advisory Committee unanimously approved the transaction at its April 18, 2019 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: December 11, 2018 AMOUNT REQUESTED: 500 Acre-Feet

TRANSFER FROM (SELLER / TRANSFEROR):	TRANSFER TO (BUYER / TRANSFEREE):
<u>West Valley Water Distict</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> <u>CA</u> <u>92376</u> City State Zip Code	<u>Rancho Cucamonga</u> <u>CA</u> <u>91730</u> City State Zip Code
<u>(909)875-1804</u> Telephone	<u>(909)937-2591</u> Telephone
<u>(909)875-1361</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 Excess Carryover

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 419 feet to 502 feet below the ground surface.

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

Clarence Mansell Jr., Interim General Manager
Seller / Transferor Representative Name (Printed)

12-19-18



Buyer / Transferee Representative Signature

John Bosler, Assistant General Manager
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: _____

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CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

March 8, 2019

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: **December 11, 2018** Date of this notice: **March 8, 2019**

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:	March 14, 2019
Non-Agricultural Pool:	March 14, 2019
Agricultural Pool:	March 14, 2019

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	Tel: (909) 484-3888
9641 San Bernardino Road	Fax: (909) 484-3890
Rancho Cucamonga, CA 91730	

CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

D. GM REPORT

8. FY 2018/19 Second Organization Performance Report

Chino Basin Watermaster: Second Organization Performance Status Report FY 2018-19 (April 2019)

Specific Goals from GM Performance Evaluation

[1] Safe Yield Recalculation: (a) resolve Desalter Induced Recharge; (b) revise prior Assessment Packages; and (c) begin 2020 recalculation
Item (a) has been resolved as part of the Parties' Settlement Agreement; item (b) has begun and is expected to be completed in September 2019; item (c) is ongoing and is on schedule.

[2] Chino Basin storage management: develop framework for long term management of storage that avoids MPI
Development of a Storage Management Plan is expected to begin in Spring 2019, leveraging the Storage Framework investigation completed in 2018.

[3] 2013 Recharge Master Plan Update Projects implementation
Victoria and San Sevaine Basins improvements are completed; Wineville/Jurupa, Montclair, and Lower Day Basins improvements under permit review; demolition for RP-3 Basin work has been completed.

[4] Complete 2018 Recharge Master Plan Update
The 2018 Recharge Master Plan Update was completed and filed with the Court by the required October 2018 due date.

[5] Begin OBMP Update
The effort begun and is on schedule; stakeholders have participated in 3 Listening Sessions so far, offering input on the updated OBMP.

GM Activities

- Met with several City Managers to establish rapport
- Ongoing outreach to Board and parties
- Held regular meetings with IEUA, CDA, WMWD, and TVMWD
- Attended ACWA Fall conference
- Attended GRA Law and Legislation Forum; GSA Bootcamp

Other Activities

40th Judgment Anniversary: Held an event in December 2018 to commemorate the 40th Anniversary of the 1978 Judgment; attendance exceeded 150 people including many elected officials, and Judges Reichert

and Gunn. Keynote speech by Professor Blomquist, and panel of distinguished experts.

Watermaster Mechanics: Held a workshop in January 2019 for people in leadership positions of various Watermaster bodies (Pools, Advisory, Board). Familiarized the audience with current processes and available information so they can be successful in their roles.

SGMA Compliance: Working to dissolve GSAs that were formed for Chino Basin fringe areas; these are no longer necessary since DWR adopted a "very low" priority designation for Chino Basin.

Pomona Extensometer: Construction began January 2019 and on schedule to be completed by June 2019.

Salinity Study: In cooperation with IEUA and in agreement with the RWQCB, continuing the technical work to support adoption of an averaging period for recycled water TDS concentration that is longer than the currently-approved 12-month period.

Reporting: Compiled and filed with the Court the 2017/18 Ground Level Monitoring Committee Report, the 2018-2 semi-annual OBMP status report, and the 41st Annual Watermaster report; compiling the 2018 State of the Basin report; timely filed required annual diversion permits reports with the SWRCB, and SGMA report with DWR.

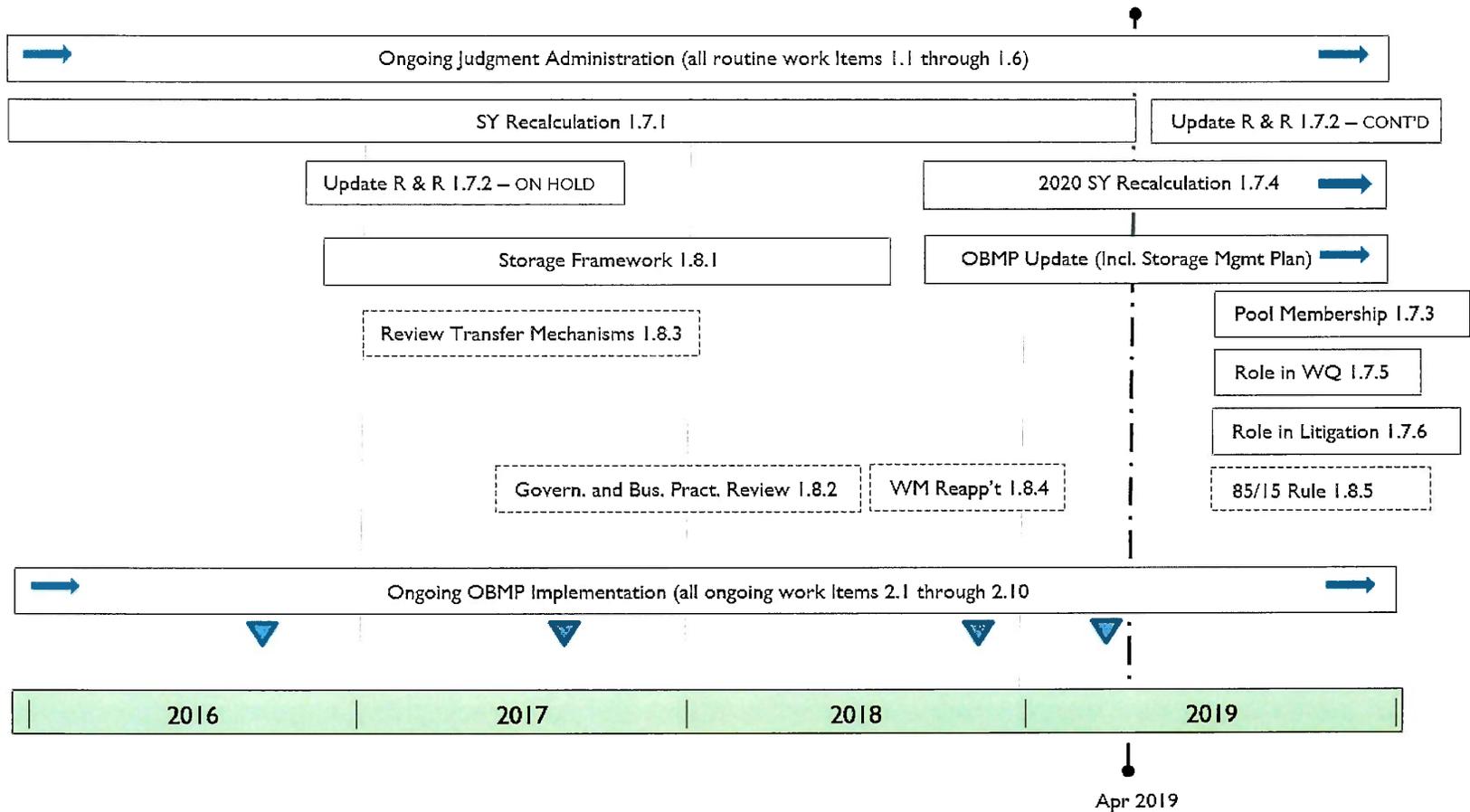
Process Improvements: Continuing evaluation of well status and effectiveness of production metering; started replacing older transducers; updated the website to latest Brown Act standard and added short Chino Basin introductory video.

Pulse of the Organization

Personnel: Onboarded two new Field Operations Specialists; provided annual performance evaluations to all staff; offered training as needed; continued all-hands meetings, and occasional team-building activities.

Processes: Changed payroll service to ADP; continued creating additional SOPs and updating existing SOPs for routine and one-time elements of Watermaster work.

CBWM Business Plan Timeline



LEGEND:

- CBWM supports
- ▼ : Educational Workshop

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CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for March 2019

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/01/2019	21314	ACWA JOINT POWERS INSURANCE AUTHORIT	0597031	1012 · Bank of America Gen'l Ckg	
Bill	02/13/2019	0597031		Prepayment - March 2019	1409 · Prepaid Life, BAD&D & LTD	240.50
				February 2019	60191 · Life & Disab.Ins Benefits	232.34
TOTAL						472.84
Bill Pmt -Check	03/01/2019	21315	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	XXXX-XXXX-XXXX-9341		Miscellaneous office supplies	6031.7 · Other Office Supplies	336.77
				Reg-JW-2019 CAPStone Conf. March 18-20	6193.2 · Conference - Registration Fee	794.03
				Hotel-JW-2019 CAPStone Conf. March18-20	6191 · Conferences - General	793.47
				Toner cartridges	6031.7 · Other Office Supplies	962.83
				Miscellaneous office supplies	6031.7 · Other Office Supplies	53.79
				Miscellaneous office supplies	6031.7 · Other Office Supplies	49.46
				Miscellaneous office supplies	6031.7 · Other Office Supplies	63.48
				Miscellaneous office supplies	6031.7 · Other Office Supplies	39.94
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.98
				Miscellaneous office supplies	6031.7 · Other Office Supplies	9.98
				Miscellaneous office supplies	6031.7 · Other Office Supplies	497.36
				Operations staff breakfast meeting	6141.3 · Admin Meetings	99.02
				Miscellaneous office supplies	6031.7 · Other Office Supplies	23.66
				Lunch-staff and legal counsel before Pool mtg	6141.3 · Admin Meetings	88.34
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	22.27
				Miscellaneous office supplies	6031.7 · Other Office Supplies	10.75
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	37.10
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.97
				Miscellaneous office supplies	6031.7 · Other Office Supplies	12.32
				Miscellaneous office supplies	6031.7 · Other Office Supplies	28.79
				Registration-JN-March 17-19 WateReuse Conf.	6193.2 · Conference - Registration Fee	99.88
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.94
				PK mtg w/Ops staff	6141.3 · Admin Meetings	64.43
				Miscellaneous office supplies	6031.7 · Other Office Supplies	29.79
				Dessert for staff meeting 1/24/19	6141.3 · Admin Meetings	29.86
				PK mtg w/Bob Bowcock	6312 · Meeting Expenses	26.12
				PK mtg w/Steve Elie	6312 · Meeting Expenses	53.08
				Lunch for staff development day	6141.3 · Admin Meetings	83.46
				Hotel-ETF-GW Sustainability Bootcamp	6191 · Conferences - General	582.04
				Miscellaneous office supplies	6031.7 · Other Office Supplies	7.55
				Reg.-ETF-attend GW Sustainability Bootcamp	6193.2 · Conference - Registration Fee	809.01
				Reg.-JN & AJ-AGWA - AGWT Annual GW Conf.	6193.2 · Conference - Registration Fee	489.40
				Pictures taken for annual Board meeting	6312 · Meeting Expenses	299.63
				Flight-ETF-GW Sustainability Bootcamp	6191 · Conferences - General	380.49

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Flight-PK-GW Sustainability Bootcamp	6191 · Conferences - General	447.41
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	50.69
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	24.57
				Tip-lunch delivery-OBMP Listening Session 1	6909.1 · OBMP Meetings	9.99
				Lunch for OBMP Listening Session 1	6909.1 · OBMP Meetings	206.75
				PK mtg w/John Bosler	8312 · Meeting Expenses	32.16
				PK mtg w/Darron Poulsen	8312 · Meeting Expenses	39.64
				Purchase-59 Technology Tips for Admin Prof.	6192 · Seminars - General	39.90
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.82
				Reg.-CG-Webinar - Proofreading & Editing Tech.	6193.2 · Conference - Registration Fee	196.76
TOTAL						8,005.68
Bill Pmt -Check	03/01/2019	21316	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	749497		NRG BK	6078 · BHFS Legal - Miscellaneous	934.65
				Angelica BK	6078 · BHFS Legal - Miscellaneous	461.70
				ELY 3 Basin/Kasier	6078 · BHFS Legal - Miscellaneous	4,990.05
				749497	6078 · BHFS Legal - Miscellaneous	28,821.57
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	54.50
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	13.04
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	13.04
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	13.05
				Mileage/Parking Expense	6275 · BHFS Legal - Advisory Committee	19.57
				Mileage/Parking Expense	6375 · BHFS Legal - Board Meeting	19.57
Bill	01/31/2019	749498		457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	15,197.63
				Sexual Harrasment Training	6073 · BHFS Legal - Personnel Matters	62.10
Bill	01/31/2019	749499		749499	6907.34 · Santa Ana River Water Rights	2,083.03
Bill	01/31/2019	749500		749500	6907.32 · Chino Airport Plume	1,966.35
Bill	01/31/2019	749501		749501	6907.33 · Desalter/Hydraulic Control	95.08
Bill	01/31/2019	749502		749502	6907.36 · Santa Ana River Habitat	845.12
Bill	01/31/2019	749503		749503	6275 · BHFS Legal - Advisory Committee	4,799.91
Bill	01/31/2019	749504		749504	6375 · BHFS Legal - Board Meeting	12,061.72
				Mileage/Parking Expense	6375 · BHFS Legal - Board Meeting	39.14
Bill	01/31/2019	749505		749505	8375 · BHFS Legal - Appropriative Pool	1,663.83
Bill	01/31/2019	749506		749506	8475 · BHFS Legal - Agricultural Pool	1,663.83
Bill	01/31/2019	749507		749507	8575 · BHFS Legal - Non-Ag Pool	1,663.83
Bill	01/31/2019	749508		749508	6071 · BHFS Legal - Court Coordination	2,482.07
				Filing Fee	6071 · BHFS Legal - Court Coordination	4.00
Bill	01/31/2019	749509		749509	6077 · BHFS Legal - Party Status Maint	6,099.27
Bill	01/31/2019	749510		749510	6907.39 · Recharge Master Plan	3,315.18
				Mileage/Parking Expense	6907.39 · Recharge Master Plan	67.85
Bill	01/31/2019	749511		749511	6907.42 · Initial Safe Yield Recalc	62,679.72

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Research - Westlaw	6907.42 · Initial Safe Yield Recalc	143.81
				Delivery/Ground Transportation	6907.42 · Initial Safe Yield Recalc	150.00
				Delivery/Ground Transportation	6907.42 · Initial Safe Yield Recalc	150.00
Bill	01/31/2019	749512		749512	6907.44 · SGMA Compliance	142.61
Bill	01/31/2019	749513		749513	6907.45 · OBMP Update	7,061.57
TOTAL						<u>159,778.39</u>
Bill Pmt -Check	03/01/2019	21317	CENTURYLINK	78073480	1012 · Bank of America Gen'l Ckg	
Bill	02/26/2019	78073480		2/17/19-3/16/19	6053 · Internet Expense	1,062.62
TOTAL						<u>1,062.62</u>
Bill Pmt -Check	03/01/2019	21318	CD CATERING & EVENT SERVICES	8693	1012 · Bank of America Gen'l Ckg	
Bill	01/24/2019	8693		Lunch for 1/24/19 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						<u>600.69</u>
Bill Pmt -Check	03/01/2019	21319	CITY OF POMONA	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Appro Pool Mtg		Darron Poulsen-1/10/19 Appropriative Pool Mtg.	6311 · Board Member Compensation	125.00
Bill	01/22/2019	1/22 Board Agenda		Darron Poulsen-1/22/19 Board Agenda Preview	6311 · Board Member Compensation	125.00
Bill	01/24/2019	1/24 Board Mtg		Darron Poulsen-1/24/19 Board meeting	6311 · Board Member Compensation	125.00
Bill	01/31/2019	1/31 WM Mechanics		Darron Poulsen-1/31/19 Watermaster Mechanics	6311 · Board Member Compensation	125.00
TOTAL						<u>500.00</u>
Bill Pmt -Check	03/01/2019	21320	CORELOGIC INFORMATION SOLUTIONS	81945760	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	81945760		81945760	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81945760	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
Bill Pmt -Check	03/01/2019	21321	CUCAMONGA VALLEY WATER DISTRICT		1012 · Bank of America Gen'l Ckg	
Bill	02/13/2019			Office lease due March 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						<u>6,866.54</u>
Bill Pmt -Check	03/01/2019	21322	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/01/2019	12/13 Ag Pool Mtg		12/13/18 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				12/13/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				1/10/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				1/29/19 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>375.00</u>

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TOTAL

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/01/2019	21323	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	01/24/2019	L0435933		L0435933	7108.4 · Hydraulic Control-Lab Svcs	440.00
Bill	01/24/2019	L0435516		L0435516	7108.4 · Hydraulic Control-Lab Svcs	1,592.00
TOTAL						<u>2,032.00</u>
Bill Pmt -Check	03/01/2019	21324	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				1/10/19 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/11/2019	1/11 Special Board		1/11/19 Special Board meeting	8411 · Ag Pool Member Compensation	25.00
				1/11/19 Special Board meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/17/2019	1/17 Advisory Comm		1/17/19 Advisory Committee meeting	8411 · Ag Pool Member Compensation	25.00
				1/17/19 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/24/2019	1/24 Board Mtg		1/24/19 Board meeting	8411 · Ag Pool Member Compensation	25.00
				1/24/19 Board meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				1/29/19 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>625.00</u>
Bill Pmt -Check	03/01/2019	21325	FIRST LEGAL NETWORK LLC	40024405	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	40024405		Court filings for January 2019	6061.5 · Court Filing Services	1,247.38
TOTAL						<u>1,247.38</u>
Bill Pmt -Check	03/01/2019	21326	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	02/21/2019	9094843890050914-5		Office fax	6022 · Telephone	145.10
TOTAL						<u>145.10</u>
Bill Pmt -Check	03/01/2019	21327	GREAT AMERICA LEASING CORP.	24262576	1012 · Bank of America Gen'l Ckg	
Bill	02/21/2019	24262576		Invoice for February 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						<u>2,661.62</u>
Bill Pmt -Check	03/01/2019	21328	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	01/10/2019	1/10 Ag Pool Mtg		1/10/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				1/10/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	01/29/2019	1/29 Special Ag Pool		1/29/19 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				1/29/19 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	03/01/2019	21329	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019			January 2019	8367 · Legal Service	8,280.00
				Third Party Expenses	8367 · Legal Service	1,096.25

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	Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL							9,376.25
	Bill Pmt -Check	03/01/2019	21330	JURADO, ALONSO	Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
	Bill	02/26/2019			Reimbursement for field tool for water level	7104.6 · Grdwtr Level-Supplies	148.91
TOTAL							148.91
	Bill Pmt -Check	03/01/2019	21331	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
	Bill	02/22/2019	111802		Employee deductions - February 2019	60194 · Other Employee Insurance	51.80
TOTAL							51.80
	Bill Pmt -Check	03/01/2019	21332	LOEB & LOEB LLP	181747	1012 · Bank of America Gen'l Ckg	
	Bill	01/31/2019	1810747		Non-Ag Pool Legal Services - January 2019	8567 · Non-Ag Legal Service	8,228.25
TOTAL							8,228.25
	Bill Pmt -Check	03/01/2019	21333	PITNEY BOWES GLOBAL FINANCIAL SERVICE 3102929702		1012 · Bank of America Gen'l Ckg	
	Bill	02/21/2019	3102909702		Postage meter lease	6044 · Postage Meter Lease	390.17
TOTAL							390.17
PG 5	Bill Pmt -Check	03/01/2019	21334	PRINTING RESOURCES	65417	1012 · Bank of America Gen'l Ckg	
TOTAL	Bill	02/22/2019	65417		Business cards for A. Jurado, D. Huynh	6031.7 · Other Office Supplies	192.87
							192.87
	Bill Pmt -Check	03/01/2019	21335	RAMBOLL US CORP.		1012 · Bank of America Gen'l Ckg	
	Bill	02/26/2019	1690026673		1690026673	7206 · Comp Recharge-O&M	16,850.65
	Bill	02/26/2019	1690029049		1690029049	7206 · Comp Recharge-O&M	13,749.35
TOTAL							30,600.00
	Bill Pmt -Check	03/01/2019	21336	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
	Bill	02/21/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL							857.37
	Bill Pmt -Check	03/01/2019	21337	STAPLES BUSINESS ADVANTAGE	8053310836	1012 · Bank of America Gen'l Ckg	
	Bill	02/26/2019	8053310836		Miscellaneous office supplies	6031.7 · Other Office Supplies	72.05
TOTAL							72.05
	Bill Pmt -Check	03/01/2019	21338	STAULA, MARY L	VOID:	1012 · Bank of America Gen'l Ckg	0.00
	Bill Pmt -Check	03/01/2019	21339	TELLEZ-FOSTER, EDGAR	Reimbursement	1012 · Bank of America Gen'l Ckg	
	Bill	02/13/2019			ETF - GW Sustainability Bootcamp expenses	6191 · Conferences - General	187.36
TOTAL							187.36

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/01/2019	21340	UNITED HEALTHCARE	052569006859	1012 · Bank of America Gen'l Ckg	
Bill	02/26/2019	052569006859		Dental Insurance Premium -- March 2019	60182.2 · Dental & Vision Ins	744.12
TOTAL						744.12
Bill Pmt -Check	03/01/2019	21341	VERIZON WIRELESS		1012 · Bank of America Gen'l Ckg	
Bill	02/13/2019	9823537705		Acct #470810953-00001	6022 · Telephone	297.73
Bill	02/21/2019	9824100003		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						397.77
Bill Pmt -Check	03/01/2019	21342	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	01/31/2019	2019004		2019004	7510 · PE6&7-IEUA Salinity Mgmt. Plan	497.00
Bill	01/31/2019	2019005		2019005	6906.31 · OBMP-Pool, Adv. Board Mtgs	10,449.33
Bill	01/31/2019	2019006		2019006	6906.32 · OBMP-Other General Meetings	11,504.22
Bill	01/31/2019	2019007		2019007	6906.71 · OBMP-Data Req.-CBWM Staff	5,425.20
Bill	01/31/2019	2019008		2019008	6906.76 · County Extraction Well-Modeling	18,350.80
Bill	01/31/2019	2019009		2019009	6906.72 · OBMP-Data Req.-Non CBWM Staff	3,550.50
Bill	01/31/2019	2019010		2019010	6906.23 · SGMA Reporting Requirements	1,460.50
Bill	01/31/2019	2019011		2019011	6906 · OBMP Engineering Services	550.00
Bill	01/31/2019	2019012		2019012	6906.1 · OBMP-Watermaster Model Update	12,526.10
Bill	01/31/2019	2019013		2019013	6906.24 · Compliance-SWRCB	365.10
Bill	01/31/2019	2019014		2019014	6906.26 · 2019 OBMP Update	37,504.85
Bill	01/31/2019	2019015		2019015	6906.73 · OBMP-2020 Safe Yield Recalc	24,844.15
Bill	01/31/2019	2019016		2019016	6906.27 · HCP Mtgs/Tech. Review-IEUA Cost	1,204.40
Bill	01/31/2019	2019017		2019017	6906.15 · Integrated Model Mtgs-IEUA Cost	4,043.20
Bill	01/31/2019	2019018		2019018	6906.21 · State of the Basin Report	9,100.60
Bill	01/31/2019	2019019		2019019	7103.3 · Grdwtr Qual-Engineering	9,646.66
Bill	01/31/2019	2019020		2019020	7104.3 · Grdwtr Level-Engineering	8,749.43
Bill	01/31/2019	2019021		2019021	7107.2 · Grd Level-Engineering	3,069.22
Bill	01/31/2019	2019022		2019022	7402 · PE4-Engineering	5,891.00
Bill	01/31/2019	2019023		2019023	7402.10 · PE4 - Northwest MZ1 Area Proj.	103,626.17
Bill	01/31/2019	2019024		2019024	7108.31 · Hydraulic Control - PBHSP	18,332.30
Bill	01/31/2019	2019025		2019025	7202.2 · Engineering Svc	1,929.30
Bill	01/31/2019	2019026		2019026	7502 · PE6&7-Engineering	279.50
Bill	01/31/2019	2019027		2019027	6906.16 · CBEWP-100% IEUA Cost	5,031.84
TOTAL						297,931.37
Bill Pmt -Check	03/09/2019	ACH 031819	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	03/09/2019	03/09/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 02/24/19-03/09/19	2000 · Accounts Payable	7,444.83
TOTAL						7,444.83

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/05/2019	ACH 030519	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	1394905143		Medical Insurance Premium - March 2019	60182.1 · Medical Insurance	7,667.57
TOTAL						7,667.57
Bill Pmt -Check	03/06/2019	21343	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019			Retiree Medical	60182.4 · Retiree Medical	25.87
TOTAL						25.87
Bill Pmt -Check	03/06/2019	21344	MICHAEL'S #3844		1012 · Bank of America Gen'l Ckg	
Bill	03/06/2019			Matting and frames for basin pictures	1840 · Capital Assets	1,305.36
TOTAL						1,305.36
Bill Pmt -Check	03/08/2019	21345	ACCENT COMPUTER SOLUTIONS, INC.	126591	1012 · Bank of America Gen'l Ckg	
Bill	03/05/2019	126591		Monthly service - March 2019	6052.4 · IT Managed Services	3,680.00
				Overwatch - March 2019	6052.5 · IT Data Backup/Storage	699.00
				OmniCloud - March 2019	6052.5 · IT Data Backup/Storage	117.00
				Office 365 subscriptions - March 2019	6052.4 · IT Managed Services	99.60
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	803.43
TOTAL						5,399.03
Bill Pmt -Check	03/08/2019	21346	ACWA JOINT POWERS INSURANCE AUTHORITY	0597031	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2019	0601597		Prepayment - April 2019	1409 · Prepaid Life, BAD&D & LTD	224.09
				March 2019	60191 · Life & Disab.Ins Benefits	232.21
TOTAL						456.30
Bill Pmt -Check	03/08/2019	4	APPLIED COMPUTER TECHNOLOGIES	3033	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	3033		Database Consulting - February 2019	6052.2 · Applied Computer Technol	3,449.60
TOTAL						3,449.60
Bill Pmt -Check	03/08/2019	21348	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	03/08/2019	21349	CD CATERING & EVENT SERVICES	8431	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	8431		Lunch for 2/28/19 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						600.69
Bill Pmt -Check	03/08/2019	21350	CITY OF POMONA	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	2/14 Appro Pool Mtg		Darron Poulsen-2/14/19 Appropriative Pool Mtg.	6311 · Board Member Compensation	125.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	02/26/2019	2/26 Board Agenda		Darron Poulsen-2/26/19 Board Agenda Preview	6311 · Board Member Compensation	125.00
Bill	02/28/2019	2/28 Board Mtg		Darron Poulsen-2/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	03/08/2019	21351	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	2/14 Ag Pool Mtg		2/14/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				2/14/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	03/08/2019	21352	EGOSCUE LAW GROUP, INC.	12228	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	12228		Ag Pool Legal Service _ February 2019	8467 · Ag Legal & Technical Services	40,425.00
TOTAL						40,425.00
Bill Pmt -Check	03/08/2019	21353	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	03/08/2019	21354	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/26/2019	2/26 GRCC Mtg		2/26/19 GRCC Meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	03/08/2019	21355	KAVOUNAS, PETER	Travel Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019			PK-GW Sustainability Bootcamp - Davis, CA	6191 · Conferences - General	137.54
TOTAL						137.54
Bill Pmt -Check	03/08/2019	21356	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	2/01 Board CC		2/01/19 Board conference call - hearing update	6311 · Board Member Compensation	125.00
Bill	02/14/2019	2/14 Appro Pool Mtg		2/14/19 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	02/26/2019	2/26 Board Agenda CC		2/26/16 Board Agenda Conference Call	6311 · Board Member Compensation	125.00
Bill	02/27/2019	2/27 Personnel Com		2/27/19 Personnel Committee Meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	2/28 Board Mtg		2/28 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	03/08/2019	21357	PAYCHEX	2019022800	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	2019022800		February 2019	6012 · Payroll Services	170.82
TOTAL						170.82
Bill Pmt -Check	03/08/2019	21358	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	2/14 Ag Pool Mtg		2/14/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
				2/14/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	03/08/2019	21359	PREMIERE GLOBAL SERVICES	27294240	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	27294240		Ely 3 Basin call on 1/28	6909.1 · OBMP Meetings	39.25
				OBMP Update LS2 prep call on 1/31	6909.1 · OBMP Meetings	11.55
				Cascade contract call on 2/04	6909.1 · OBMP Meetings	6.29
				OBMP Update LS2 call on 2/12	6909.1 · OBMP Meetings	75.60
				Non-Ag Pool meeting call on 2/14	8512 · Meeting Expense	17.38
				WM coordination call on 2/19	6909.1 · OBMP Meetings	6.29
				WM coordination call on 2/25	6909.1 · OBMP Meetings	10.44
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				Ely 3 Basin call on 1/28	6909.1 · OBMP Meetings	6.30
				Ely 3 Basin call on 1/28	6909.1 · OBMP Meetings	6.30
				Ely 3 Basin call on 1/28	6909.1 · OBMP Meetings	16.22
				Ex Parte Application call on 1/29	6909.1 · OBMP Meetings	9.14
				Court hearing update call on 2/01	6909.1 · OBMP Meetings	6.30
				Cascade contract call on 2/04	6909.1 · OBMP Meetings	17.08
				WM Coordination call on 2/11	6909.1 · OBMP Meetings	32.96
				Pool meetings check call on 2/13	8312 · Meeting Expenses	7.13
				Pool meetings check call on 2/13	8412 · Meeting Expenses	7.13
				Pool meetings check call on 2/13	8512 · Meeting Expense	7.12
				WM Coordination call on 2/19	6909.1 · OBMP Meetings	6.32
				WM Coordination call on 2/19	6909.1 · OBMP Meetings	6.30
				WM Coordination call on 2/19	6909.1 · OBMP Meetings	16.04
				Court hearing update call on 2/20	6909.1 · OBMP Meetings	19.31
				OBMP Update LS3 prep call on 2/25	6909.1 · OBMP Meetings	17.75
				PK call w/WMWD on 2/26	6909.1 · OBMP Meetings	13.93
				Call shortfalls	6022 · Telephone	78.00
				Service Fee	6022 · Telephone	36.00
TOTAL						554.13
Bill Pmt -Check	03/08/2019	21360	PURCHASE POWER	8000-9090-0016-8851	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	8000-9090-0016-8851		Postage refill 1/31/19	6042 · Postage - General	500.00
TOTAL						500.00
Bill Pmt -Check	03/08/2019	21361	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	0023230253		Office Water Bottle - February 2019	6031.7 · Other Office Supplies	48.47
TOTAL						48.47

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/08/2019	21362	RR FRANCHISING, INC.	68661	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2019	68661		Monthly service March 2019	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	03/08/2019	21363	SAN BERNARDINO COUNTY - DEPT. AIRPORT: Lease No. CNO0000773		1012 · Bank of America Gen'l Ckg	
Bill	03/05/2019	CNO0000773		Annual rental payment-county-extensometer site	7107.9 · Grd Level-Other	1,596.00
TOTAL						1,596.00
Bill Pmt -Check	03/08/2019	21364	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
Bill	03/05/2019	1970970-18		Monthly premium 2/26/19-3/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL						552.42
Bill Pmt -Check	03/08/2019	21365	TELLEZ-FOSTER, EDGAR	Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	03/05/2019			ETF Reimbursement - Ops Staff Meeting	6141.3 · Admin Meetings	90.87
TOTAL						90.87
Bill Pmt -Check	03/08/2019	21366	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	02/21/2019	001017890001		Vision Insurance Premium - March 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL						88.20
Bill Pmt -Check	03/08/2019	21367	YUKON DISPOSAL SERVICE	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2019	21136525395		Disposal Service - March 2019	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
General Journal	03/08/2019	03/08/2019	ADP Payroll Services	ADP Payroll Services	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Services	1012 · Bank of America Gen'l Ckg	1,205.50
TOTAL						1,205.50
General Journal	03/09/2019	09/09/2019	Payroll and Taxes for 02/24/19-03/09/19	Payroll and Taxes for 02/24/19-03/09/19	1012 · Bank of America Gen'l Ckg	
				Direct Deposits cfor 02/24/19-03/09/19	1012 · Bank of America Gen'l Ckg	28,694.06
				Payroll Taxes for 02/24/19-03/09/19	1012 · Bank of America Gen'l Ckg	9,691.41
			ICMA-RC	457(b) EE Deductions for 02/24/19-03/09/19	1012 · Bank of America Gen'l Ckg	5,166.72
			ICMA-RC	401(a) EE Deductions for 02/24/19-03/09/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						45,034.08
Bill Pmt -Check	03/01/2019	ACH 030119	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	02/23/2019	02/23/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 02/10/19-02/23/19	2000 · Accounts Payable	7,444.83
TOTAL						7,444.83

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/13/2019	21368	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	XXXX-XXXX-XXXX-9341		Toll Roads account replenishment	6174 · Public Transportation	26.40
				Amazon Prime membership fee - yearly	6111 · Membership Dues	112.79
				Reg.-2019 ACWA Legal Briefing & CLE Workshop	6193.2 · Conference - Registration Fee	241.91
				Reg.-2019 ACWA Legal Briefing & CLE Workshop	6193.2 · Conference - Registration Fee	510.21
				Hotel-PK-GW Sustainability Bootcamp	6191 · Conferences - General	190.41
				PK mtg w/MVWD	8312 · Meeting Expenses	37.40
				Miscellaneous office supplies	6031.7 · Other Office Supplies	12.75
				Miscellaneous office supplies	6031.7 · Other Office Supplies	13.26
				Miscellaneous office supplies	6031.7 · Other Office Supplies	101.44
				Miscellaneous office supplies	6031.7 · Other Office Supplies	5.21
				PK mtg w/C. Rodriguez	8312 · Meeting Expenses	10.20
				Miscellaneous office supplies	6031.7 · Other Office Supplies	44.85
				Miscellaneous office supplies	6031.7 · Other Office Supplies	51.88
				Miscellaneous office supplies	6031.7 · Other Office Supplies	26.38
				Supplies for OBMPU LS3 prep mtg	6909.1 · OBMP Meetings	52.78
				PK mtg w/G. Filippi	6312 · Meeting Expenses	37.32
				Miscellaneous office supplies	6031.7 · Other Office Supplies	22.15
				PK mtg w/Behrooz	8312 · Meeting Expenses	40.83
				Reg.-PK-GRAC/CGC 2019 GW Law & Legislation	6193.2 · Conference - Registration Fee	285.89
				PK flight for above conference	6191 · Conferences - General	116.08
				Miscellaneous office supplies	6031.7 · Other Office Supplies	52.80
				Miscellaneous office supplies	6031.7 · Other Office Supplies	17.57
TOTAL						2,010.51
Bill Pmt -Check	03/13/2019	21369	BUSINESS TELECOMMUNICATION SYSTEMS	19058	1012 · Bank of America Gen'l Ckg	
Bill	02/19/2019	9058		1 year support-Shoretel-4/21/19-4/20/20	6054 · Computer Software	1,787.00
TOTAL						1,787.00
Bill Pmt -Check	03/13/2019	21370	DAILY BULLETIN	900421820	1012 · Bank of America Gen'l Ckg	
Bill	03/06/2019	900421820		Inland Valley Daily Bulletin-26 weeks	6112 · Subscriptions/Publications	325.72
TOTAL						325.72
Bill Pmt -Check	03/13/2019	21371	FIRST LEGAL NETWORK LLC	40025193	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	40025193		Court filings for February 2019	6061.5 · Court Filing Services	719.84
TOTAL						719.84
Bill Pmt -Check	03/13/2019	21372	HARMONY PRESS	00-6538	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	00-6538		Printing for 41st AR	6045 · Printing	2,461.94
TOTAL						2,461.94

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	03/13/2019	21373	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	2/14 Ag Pool Mtg		2/14/19 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				2/14/19 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	03/13/2019	21374	INLAND EMPIRE UTILITIES AGENCY	90023700	1012 · Bank of America Gen'l Ckg	
Bill	03/04/2019	90023700		GW Recharge O&M - 4th Quarter	7206 · Comp Recharge-O&M	293,578.73
TOTAL						293,578.73
Bill Pmt -Check	03/13/2019	21375	MONTE VISTA WATER DIST	January 2019	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	January 2019		SCADA Installation, Monitoring - Jan.2019	7107.63 · Grd Level-MVWD SCADA Reimburs	5,375.00
TOTAL						5,375.00
Bill Pmt -Check	03/13/2019	21376	R&D PEST SERVICES	0240481	1012 · Bank of America Gen'l Ckg	
Bill	03/08/2019	0240481		Pest control	6024 · Building Repair & Maintenance	100.00
TOTAL						100.00
P72 TOTAL	Bill Pmt -Check	03/13/2019	21377	RAUCH COMMUNICATION CONSULTANTS, LL ^C Feb-1906	1012 · Bank of America Gen'l Ckg	
	Bill	02/28/2019	Feb-1906	AR41 - work completed through Feb. 26, 2019	6061.3 · Rauch	500.00
						500.00
Bill Pmt -Check	03/13/2019	21378	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	7076224530355049		February 2019	6175 · Vehicle Fuel	173.47
TOTAL						173.47
Bill Pmt -Check	03/13/2019	21379	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	2/28 Board Meeting		Galleano attendance-2/28/19 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	03/13/2019	21380	PETTY CASH	2776-2786	1012 · Bank of America Gen'l Ckg	
Bill	03/13/2019	2776-2786		Miscellaneous office supplies	6031.7 · Other Office Supplies	165.72
				Lunch for legal counsel pre Board mtg	6312 · Meeting Expenses	19.62
				Supplies for admin mtgs	6141.3 · Admin Meetings	156.15
				Supplies for OBMPU LS3 mtg	6909.1 · OBMP Meetings	4.76
TOTAL						346.25
Bill Pmt -Check	03/19/2019	21381	ALLEN, REBECCA M.	Transcript for Hearing on 3/15/19	1012 · Bank of America Gen'l Ckg	
Bill	03/19/2019	Transcript 3/15/19		Transcript for 3/15/19	6046 · Legal Publications/Services	560.00
TOTAL						560.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	03/22/2019	03/22/2019	ADP Payroll Service	ADP Payroll Service for 03/09/19	1012 · Bank of America Gen'l Ckg	
				ADP Payroll Service for 03/09/19	1012 · Bank of America Gen'l Ckg	216.00
TOTAL						216.00
Bill Pmt -Check	03/22/2019	21382	CORELOGIC INFORMATION SOLUTIONS	81948796	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	81948796		81948796	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81948796	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	03/22/2019	21383	CV STRATEGIES	4927	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	4927		4927	6061 · Other Consultants	1,000.00
TOTAL						1,000.00
Bill Pmt -Check	03/22/2019	21384	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/12/2019	2/12 OBMPU LS2		2/12/19 OBMPU LS2	8411 · Ag Pool Member Compensation	25.00
				2/12/19 OBMPU LS2	8470 · Ag Meeting Attend -Special	100.00
Bill	02/14/2019	2/14 Ag Pool Mtg		2/14/19 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				2/14/19 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	02/27/2019	2/27 Personnel Comm		2/27/19 Personel Committee meeting	8411 · Ag Pool Member Compensation	25.00
				2/27/19 Personnel Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board meeting	8411 · Ag Pool Member Compensation	25.00
				2/28/19 Board meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						500.00
Bill Pmt -Check	03/22/2019	21385	GRAINGER	9103460532	1012 · Bank of America Gen'l Ckg	
Bill	03/01/2019	9103460532		Miscellaneous supplies	7103.6 · Grdwtr Qual-Supplies	129.30
TOTAL						129.30
Bill Pmt -Check	03/22/2019	21386	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	03/15/2019	111802		Employee deductions - March 2019	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	03/22/2019	21387	LOEB & LOEB LLP	1815938	1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	1815938		Non-Ag Pool Legal Services - February 2019	8567 · Non-Ag Legal Service	12,901.45
TOTAL						12,901.45
Bill Pmt -Check	03/22/2019	21388	ULLOA, EUNICE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	02/14/2019	2/14 Appro Pool Mtg		2/14/19 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	1/10 Appro Pool Mth		1/10/19 Appropriative Pool meeting	6311 · Board Member Compensation	125.00

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Cash Disbursements For The Month of
March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	02/28/2019	1/11 Special Board		1/11/19 Special Board meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	1/15 OBMPU LS1		1/15/19 OBMPU LS1	6311 · Board Member Compensation	125.00
Bill	02/28/2019	1/17 Advisory Comm		1/17/19 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	1/24 Board Mtg		1/24/19 Board meeting	6311 · Board Member Compensation	125.00
Bill	02/28/2019	2/28 Board Mtg		2/28/19 Board meeting	6311 · Board Member Compensation	125.00
TOTAL						875.00
Bill Pmt -Check	03/22/2019	21389	UNITED HEALTHCARE	052571900533	1012 · Bank of America Gen'l Ckg	
Bill	03/15/2019	052571900533		Dental Insurance Premium - April 2019	60182.2 · Dental & Vision Ins	744.12
TOTAL						744.12
Bill Pmt -Check	03/22/2019	21390	VERIZON WIRELESS	98254599516	1012 · Bank of America Gen'l Ckg	
Bill	03/13/2019	9825495516		Acct #470810953-00001	6022 · Telephone	297.73
TOTAL						297.73
Bill Pmt -Check	03/22/2019	21391	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	02/28/2019	2019048		2019048	7510 · PE6&7-IEUA Salinity Mgmt. Plan	545.80
Bill	02/28/2019	2019049		201904*	6906.31 · OBMP-Pool, Adv. Board Mtgs	4,607.98
Bill	02/28/2019	2019050		2019050	6906.32 · OBMP-Other General Meetings	2,521.58
Bill	02/28/2019	2019051		2019051	6906.71 · OBMP-Data Req.-CBWM Staff	9,954.56
Bill	02/28/2019	2019052		2019052	6906.72 · OBMP-Data Req.-Non CBWM Staff	2,726.93
Bill	02/28/2019	2019053		2019053	6906.23 · SGMA Reporting Requirements	2,797.40
Bill	02/28/2019	2019054		2019054	6906 · OBMP Engineering Services	3,048.20
Bill	02/28/2019	2019055		2019055	6906.1 · OBMP-Watermaster Model Update	1,062.00
Bill	02/28/2019	2019056		2019056	6906.24 · Compliance-SWRCB	2,683.80
Bill	02/28/2019	2019057		2019057	6906.26 · 2019 OBMP Update	20,732.62
Bill	02/28/2019	2019058		2019058	6906.73 · OBMP-2020 Safe Yield Recalc	67,584.30
Bill	02/28/2019	2019059		2019059	6906.15 · Integrated Model Mtgs-IEUA Cost	742.00
Bill	02/28/2019	2019060		2019060	6906.21 · State of the Basin Report	27,543.60
Bill	02/28/2019	2019061		2019061	7103.3 · Grdwtr Qual-Engineering	2,001.90
Bill	02/28/2019	2019062		2019062	7104.3 · Grdwtr Level-Engineering	7,211.63
Bill	02/28/2019	2019063		WSP USA Inc.	7107.6 · Grd Level-Contract Svcs	2,316.36
				2019063	7107.2 · Grd Level-Engineering	1,305.10
Bill	02/28/2019	2019064		2019064	7402 · PE4-Engineering	10,593.93
Bill	02/28/2019	2019065		2019065	7402.10 · PE4 - Northwest MZ1 Area Proj.	47,424.52
Bill	02/28/2019	2019066		2019066	7108.31 · Hydraulic Control - PBHSP	17,597.00
Bill	02/28/2019	2019067		2019067	7109.3 · Recharge & Well - Engineering	1,550.40
Bill	02/28/2019	2019068		2019068	7202.2 · Engineering Svc	1,060.46
Bill	02/28/2019	2019069		2019069	7502 · PE6&7-Engineering	6,345.00
Bill	02/28/2019	2019070		2019070	6906.16 · CBEWP-100% IEUA Cost	3,634.44

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March 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						247,591.51
General Journal	03/23/2019	03/23/2019	Payroll and Taxes for 03/10/19-03/23/19	Payroll and Taxes for 03/10/19-03/23/19	1012 - Bank of America Gen'l Ckg	
				Direct Deposits for 03/10/19-03/23/19	1012 - Bank of America Gen'l Ckg	27,703.85
				Payroll Taxes for 03/10/19-03/23/19	1012 - Bank of America Gen'l Ckg	8,968.42
			ICMA-RC	457(b) EE Deductions for 03/10/19-03/23/19	1012 - Bank of America Gen'l Ckg	3,975.32
			ICMA-RC	401(a) EE Deductions for 03/10/19-03/23/19	1012 - Bank of America Gen'l Ckg	1,481.89
TOTAL						42,129.48
Bill Pmt -Check	03/26/2019	ACH 032619	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 - Bank of America Gen'l Ckg	
Bill	03/01/2019	15597584		Annual Unfunded Accrued Liability for Plan 3299	60180 - Employers PERS Expense	5,456.55
TOTAL						5,456.55
Bill Pmt -Check	03/29/2019	ACH 032919	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 - Bank of America Gen'l Ckg	
General Journal	03/23/2019	03/23/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 03/10/19-03/23/19	2000 - Accounts Payable	7,444.83
TOTAL						7,444.83
					Total Disbursements:	<u>1,288,381.63</u>

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CHINO BASIN WATERMASTER

IV. INFORMATION

2. Chino Airport and South Archibald Plumes Semi-Annual Status Reports

Semiannual Status Report Chino Airport Plume April 2019

Contaminants: The County of San Bernardino Department of Airports (County) identifies four primary contaminants associated with the Chino Airport groundwater plume: trichloroethene (TCE), 1,2,3-trichloropropane (1,2,3-TCP), cis-1,2-dichloroethene (cis-1,2-DCE), and 1,2-dichloroethane (1,2-DCA). The California maximum contaminant levels (MCLs) for TCE, 1,2,3-TCP, cis-1,2-DCE, and 1,2- DCA, as well as the maximum concentrations detected in groundwater samples collected from wells within the plume area over the last five years are shown in the table below.

Contaminant	MCL (µgl)	Maximum Concentration January 2014 to December 2018 (µgl)
TCE	5	830
1,2,3-TCP	0.005	44
cis-1,2-DCE	6	47
1,2- DCA	0.5	1.5

Other contaminants of concern include 1,1-dichloroethene, carbon tetrachloride, and 1,4-dioxane.

Location: The Chino Airport is located in the southwestern portion of the Chino Basin within the City of Chino. As delineated by the Chino Basin Watermaster (Watermaster) in 2017 for the *2016 State of the Basin Report*¹, the extent of the plume with detectable TCE concentrations greater than 0.5 µgl is about 3,500 feet wide and 12,500 feet long, extending southwest from the Chino Airport to just south of Pine Avenue (see Exhibit 1).

Since 2015, the County characterizes two plumes originating from different source areas at the Chino Airport: the West Plume and the East Plume. TCE and 1,2,3-TCP concentrations are the higher within the West Plume than in the East Plume. The most recent characterization of TCE and 1,2,3-TCP concentrations prepared by the County were part of the *Semiannual Groundwater Monitoring Report Summer and Fall 2018*². Exhibit 1 shows the County’s delineation of the West and East Plumes with TCE concentrations greater than or equal to 5 µgl, and the West and East Plumes with 1,2,3-TCP concentrations greater than 0.005 µgl.

TCE Plume. The West TCE Plume extends roughly 9,000 feet towards the southwest from its source area and then extends another 2,400 feet to the southeast towards the Prado Basin where the plume terminates near well cluster CAMW16. The change in direction of the plume in this area may be associated with the location of the Central Avenue Fault, the “no-flow” boundary conditions of the Chino Hills, or historical pumping from former production wells. The width of the West TCE plumes

¹ Wildermuth Environmental Inc. (2017). *Optimum Basin Management Program - 2016 State of the Basin Report*. Prepared for the Chino Basin Watermaster. June 2017.

² Tetra Tech (2019) *Semiannual Groundwater Monitoring Report Summer and Fall 2018*. Chino Airport Groundwater Assessment, San Bernardino County, California. Prepared for County of San Bernardino Department of Architecture and Engineering. March 19, 2019.



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ranges from 1,000 to 2,700 feet averaging 1,700 feet. The East TCE Plume has a significantly smaller footprint than the West Plume. The East Plume extends from the area of well cluster CAMW33, CAMW34 and CAMW35 and well CAMW40, near the middle of the northern edge of the Airport, approximately 1,600 feet to the south and then extends another 1,900 to the southwest where it merges with the West Plume.

1,2,3-TCP Plume. The West 1,2,3-TCP Plume extends roughly 10,500 feet towards the southwest and then extends another 3,300 feet to the southeast towards the Prado Basin, following the same general path as the West TCE Plume. The width of the West 1,2,3-TCP Plume ranges from 1,400 to 5,400 feet and averages about 3,300 feet. The East 1,2,3-TCP Plume has a significantly smaller footprint than the West Plume and extends from CAMW40 approximately 3,000 feet to the south.

Regional Water Quality Control Board, Santa Ana Region (Regional Board) Regulatory Permits and Orders:

- Cleanup and Abatement Order (CAO) No. 90-134 – Issued to the County to address the groundwater contamination originating from the Chino Airport.
- CAO No. R8-2008-0064 – Required the County to define the lateral and vertical extent of the plume offsite and preparation of a remedial action plan (RAP).
- CAO No. R8-2017-0011 – Required the County to respond to Regional Board comments on the draft Feasibility Study and submit of a final Feasibility Study.

Regulatory and Investigation History: In 1990, the Regional Board issued CAO No. 90-134 to address groundwater contamination originating from the Chino Airport. From 1991 to 1992, ten inactive underground storage tanks and 310 containers of hazardous waste were removed, and 81 soil borings were drilled and sampled on the airport property. During 2003 to 2005, nine onsite monitoring wells were installed and used to collect groundwater quality samples. In 2007, the County conducted its first offsite groundwater characterization effort, which included 22 cone penetrometer tests (CPT) and direct push borings from which water quality samples were collected. 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 to prepare a remedial action plan. From 2009 to 2012, 33 offsite monitoring wells were installed at 15 locations to characterize the extent of the contamination downgradient from the airport property.

From 2013 to 2014 the County conducted an extensive investigation of several areas identified for additional characterization of the soil and groundwater contamination associated with the Chino Airport. The investigative work included: piezocone-penetrometer tests; vertical-aquifer-profiling (VAP) borings with depth-discrete groundwater sampling; soil-gas probe sampling; high-resolution soil sampling and analysis; real-time data analysis; and three-dimensional contaminant distribution



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modeling. When investigative work was complete, 33 groundwater monitoring wells were installed in 17 locations on and adjacent to the Airport property from September 2014 through February 2015.

The County completed a Draft Feasibility Study³ for the Chino Airport in August 2016. The Feasibility Study identifies remedial action objectives (RAOs) for contaminated groundwater originating from the Chino Airport and evaluates remediation alternatives for mitigation. On January 11, 2017, the Regional Board issued CAO R8-2017-0011 to the County, which supersedes CAO R8-2008-0064. The order requires that the County: (1) submit a Final Feasibility Study within 60 days of receiving the Regional Board's comments on the Draft Feasibility Study; (2) submit a Final Remedial Action Plan (RAP) within 60 days of the Regional Board approval of the Final Feasibility Study; (3) implement the RAP in accordance with a Regional Board-approved schedule; and (4) prepare and submit technical reports and work plans as the Regional Board deems necessary. The Regional Board submitted final comments on the Draft Feasibility Study via email on February 8, 2017⁴. The County submitted responses to the Regional Board's comments along with a revised Draft Feasibility Study on March 20, 2017⁵. The Regional Board reviewed the revised Draft Feasibility Study and accepted the proposed changes and responses but submitted three additional comments on March 30, 2017.⁶

The County submitted a Final Feasibility Study⁷ for the Chino Airport in May 2017. The preferred remedial action identified in the Feasibility Study is a groundwater pump-and-treat system to provide hydraulic containment and treatment of both the West Plume and the East Plume. The Regional Board approved the Feasibility Study on June 7, 2017 and requested that a Remedial Action Plan (RAP) be prepared. The County submitted a *Preliminary Draft Remedial Action Plan* to the Regional Board on August 7, 2017. The Regional Board submitted comments on the Preliminary Draft RAP via email on October 17, 2017. The County submitted responses to the Regional Board's comments along with a revised Draft RAP on November 28, 2017. The Regional Board reviewed the revised Draft RAP and accepted the proposed changes and responses on December 14, 2017. The County submitted a *Draft Interim Remedial Action Plan* (IRAP)⁸ for public review and comment on December 18, 2017. In March 2018, the Regional Board extended the public comment period until April 18, 2018.

The County submitted a *Preliminary Draft Remedial Action Plan* to the Regional Board on August 7, 2017. The Regional Board submitted comments on the Preliminary Draft RAP via email on October 17, 2017. The County submitted responses to the Regional Board's comments along with a revised Draft

³ Tetra Tech (2016) Draft Feasibility Study Chino Airport San Bernardino County, California. Prepared for the County of San Bernardino, Department of Architecture and Engineering. August 2016.

⁴https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208634049&enforcement_id=6316113

⁵https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208634049&document_id=5916631

⁶ https://geotracker.waterboards.ca.gov/view_documents?global_id=SL208634049&enforcement_id=6316116

⁷ Tetra Tech (2017) *Final Feasibility Study Chino Airport San Bernardino County, California*. Prepared for the County of San Bernardino, Department of Architecture and Engineering. May 2017.

⁸ Tetra Tech (2017). *Draft Interim Remedial Action Plan*. Chino Airport, San Bernardino County, California. Prepared for County San Bernardino Department of Airports. December 2017.



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Chino Airport Plume

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RAP on November 28, 2017. The Regional Board reviewed the revised Draft RAP and accepted the proposed changes and responses on December 14, 2017. The County submitted a *Draft Interim Remedial Action Plan (IRAP)*⁹ for public review and comment on December 18, 2017. In March 2018, the Regional Board extended the public comment period until April 18, 2018.

From February to June 2018, the County installed the two pumping well clusters (five casings), six piezometer wells clusters (twelve casings), and five monitoring well clusters (eleven casings) in accordance with the *Groundwater Well Installation and Aquifer Pumping Test Work Plan*¹⁰. Exhibit 1 shows the locations of the new monitoring wells. Aquifer pumping tests at the extraction wells began in August 2018 and were completed in September 2018. Data obtained from the aquifer pumping tests will be used to support the design of the full-scale groundwater pump and treat system proposed in the final Feasibility Study. A report summarizing the field activities and findings is pending.

In June and July 2018, the County destroyed former agricultural production wells 02S07W30H001S to 003S and one abandoned well (with unknown identification) in accordance with the *Former Agricultural Well Destruction Work Plan*¹¹ submitted to the Regional Board in July 2018. The fifth well proposed for destruction is being reconsidered for use in irrigating a sod farm. A determination of whether to use the well or proceed with destruction is on hold until the County completes the calibration of the transient flow model in early 2019 and performs modeling of pumping scenarios to evaluate the impact of its use on the plume footprint. Upon completion of this evaluation the County will discuss the proposed plans for destruction of this well with the Regional Board.

In August 2018, the County submitted a *Human Health and Screening Ecological Risk Assessment*¹² (HERRA) to the Regional Board. The HERRA was conducted to evaluate the potential human health and ecological risks from potential exposures to chemicals detected in soil, soil gas, and groundwater associated with the Chino Airport.

Remedial Actions: The preferred remedial action identified in the Final Feasibility Study and Draft IRAP is a groundwater pump-and-treat system consisting of ten extraction wells and an on-site granular activated carbon treatment system. The extraction wells are intended to produce approximately 900 gallons per minute (1,450 acre-feet per year) of groundwater. Included among the 10 extraction wells is the CDA's well I-18, which is no longer planned for use by the CDA. An air stripper may be added to the pump-and-treat system if deemed necessary. Once treated, the preferred option is to discharge the treated groundwater to the CDA's Chino-I Desalter influent pipeline. If this

⁹ Tetra Tech (2017). *Draft Interim Remedial Action Plan*. Chino Airport, San Bernardino County, California. Prepared for County San Bernardino Department of Airports. December 2017.

¹⁰ Tetra Tech (2017). *Groundwater Well Installation and Aquifer Pumping Test Work Plan*. Prepared for the County of San Bernardino. July 2017.

¹¹ Tetra Tech (2018). *Former Agricultural Well Destruction Work Plan*. Prepared for the County of San Bernardino. July 2018.

¹² Tetra Tech (2018). *Final Human Health and Screening Ecological Risk Assessment*. Prepared for the County of San Bernardino. August 2018.



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Chino Airport Plume

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discharge option is not available at the time the groundwater pump and treat system is completed, 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. Currently, the County is in discussions with the CDA to discharge the treated water from the extraction system to the CDA's influent pipeline. The pump and treat system design and remedial action work plan is anticipated to be complete by Fall 2019. Once constructed, operations are projected to begin in 2021.

Monitoring and Reporting: Currently, the County conducts quarterly, annual, or biennial water-quality monitoring, and quarterly water-level monitoring, at 86 site-related monitoring wells. The sampling frequency is determined by well classification, i.e. background wells, horizontal or vertical extent wells, remedial monitoring wells and guard wells. The purpose of the groundwater monitoring program is to collect data to track detections of VOCs in groundwater, monitor temporal trends of contaminants, and evaluate changes in each groundwater plume. All the data collected by the County is posted on the Regional Board's GeoTracker website¹³. Conclusions from the monitoring program can be found in the semi-annual reports posted on GeoTracker. The most recent monitoring report *Semiannual Groundwater Monitoring Report Summer and Fall 2018*¹⁴ was submitted to the Regional Board in March 2019.

Watermaster collects groundwater-quality samples from private wells in the plume area, and at its HCMP-4 monitoring well, located in the southern portion of the plume. The Chino Basin Desalter Authority (CDA) collects groundwater-quality samples from its production wells located in the plume area. Watermaster uses data from the County, CDA, and its own sampling to perform an independent characterization of the areal extent and concentration of the TCE plume. The most recent characterization of the plume completed by Watermaster was in 2017 for the *2016 State of the Basin Report*¹⁵ and is shown in Exhibit 1. The plume color ramp represents the most recent characterization of TCE and was delineated based on the five-year maximum concentrations from July 2011 to June 2016.

Recent Activity: In April 2018 the following CEQA documents for the proposed remedial strategy 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*.^{16,17} The public review period for these documents ended on May 10, 2018. The County's response to

¹³ http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL208634049

¹⁴ Tetra Tech (2019). *Semiannual Groundwater Monitoring Report Summer and Fall 2018*. Prepared for County of San Bernardino. March 19, 2019.

¹⁵ Wildermuth Environmental Inc. (2017). *Optimum Basin Management Program - 2016 State of the Basin Report*. Prepared for the Chino Basin Watermaster. June 2017.

¹⁶ https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7323769629/SL208634049.PDF

¹⁷ https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5682043671/SL208634049.PDF



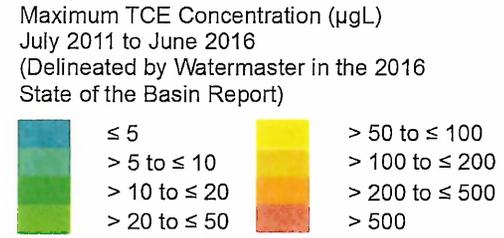
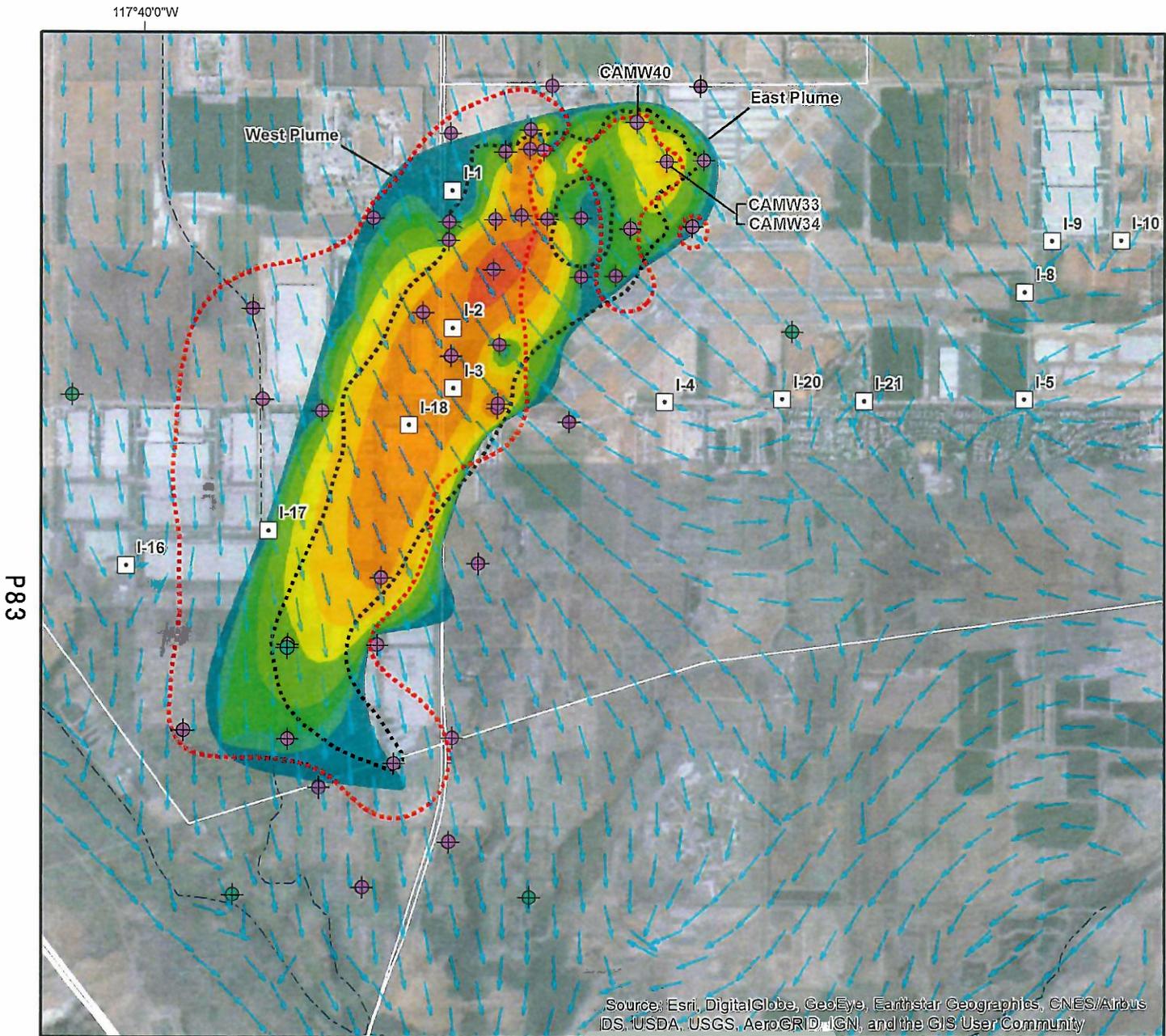
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comments were submitted on January 24, 2019 and the filing of the Notice of Determination for the Mitigated Negative Declaration was completed on January 29, 2019.

Comments on the HERRA were provided by the Cal EPA Office of Environmental Health Hazard Assessment to the Santa Ana Regional Water Quality Control Board on December 10, 2018¹⁸. The Santa Ana Regional Water Quality Control Board transmitted the comments to the County on March 6, 2019. The Santa Ana Regional Water Quality Control Board transmitted their comments on the HHERA via email to the County on March 19, 2019.

¹⁸ OEHHA 2018. *Memorandum* – Review of Human Health and Screening Ecological Risk Assessment, Chino Airport, San Bernardino County, Dated April 2018. December 2018.



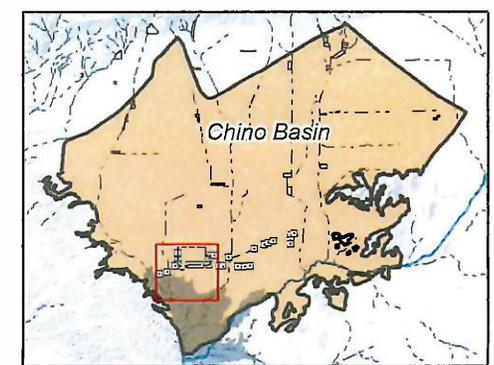


Approximate Extent of Plume as Delineated by the County of San Bernardino Using Data Through 2018 (Tetra Tech, 2019)



County of San Bernardino Monitoring Well (some locations have multiple wells at various depths)

- Constructed Between 2003 and 2015
- Constructed Between February and June 2018
- Chino Basin Desalter Authority Production Well
- 2018 Model Generated Groundwater Flow Direction (Model Layer 1)
- Chino Airport Property Boundary



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

P83

Prepared by:



Author: SO
 Date: 4/4/2019
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CBWM Semi-Annual Status Report

Chino Airport TCE Plume

Exhibit 1

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Semiannual Status Report

South Archibald Plume

April 2019

Contaminant: The primary contaminant is trichloroethene (TCE). The maximum contaminant level (MCL) for TCE is 5 micrograms per liter (µg/l). The maximum TCE concentration detected in a groundwater sample collected from wells within the plume during the last five years (2014 to 2018) is 90 µg/l. Other contaminants of concern include: acetone, cis-1,2-dichloroethene, chloroform, and bromodichloromethane.

Location: The South Archibald TCE plume is in the southern Chino Basin within the City of Ontario. Exhibit 1 shows the spatial extent of the TCE contamination as delineated by the Chino Basin Watermaster (Watermaster) in 2017 for the 2016 *State of the Basin Report*¹. This extent was based on the five-year maximum TCE concentration measured over the period of July 2011 to June 2016. As delineated by Watermaster, the TCE plume is about 22,400 feet long and extends from State Route 60 southward to approximately Bellegrave Avenue. The plume is approximately 11,000 feet wide and extends from Turner Avenue on the east to Grove Avenue on the west.

Regional Water Quality Control Board, Santa Ana Region (Regional Board) Regulatory Orders:

- 2005 Draft Cleanup and Abatement Orders (CAOs)– Six CAOs were issued, one each to the following parties: the Aerojet-General Corporation, The Boeing Company, Northrop Grumman Corporation, Lockheed Martin Corporation, General Electric Corporation and the United States Department of Defense.
- 2012 Draft CAO – This CAO was issued jointly to City of Ontario, City of Upland, and Inland Empire Utilities Agency (IEUA)
- Stipulated Settlement and CAO No. R8-2016-0016² - Final CAO issued to all parties previously issued draft CAOs in 2005 and 2012, excluding Northrop Grumman.

Regulatory and Monitoring History: In the mid-1980s, the Metropolitan Water District of Southern California determined that TCE was present in private wells in the southern Chino Basin as part of its work associated with the Chino Basin Storage Program. The Regional Board confirmed this with subsequent rounds of sampling.

The Regional Board issued Draft CAOs in 2005 for six different parties who were tenants on the Ontario Airport property. On a voluntary basis, four of the parties—Aerojet-General Corporation, The Boeing Company, General Electric Company, and Lockheed Martin Corporation, collectively the ABGL parties, worked together, along with the U.S. Department of Defense, to investigate the source

¹ Wildermuth Environmental, Inc. (2017). Optimum Basin Management Program – 2016 State of the Basin Report. Prepared for the Chino Basin Watermaster. June 2017.

² California Regional Water Quality Control Board Santa Ana Region (2016). Stipulated Settlement and Cleanup and Abatement Order No. R8-2016-0016. City of Ontario, City of Upland and Inland Empire Utilities Agency, Aerojet Rocketdyne Inc., The Boeing Company, General Electric Company, Lockheed Martin Corporation and the United States of America, Former Ontario-Upland Sewage Treatment Plant (Regional Recycling Plant No. 1) City of Ontario.



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of the contamination. Part of the investigations included collecting water-quality samples from private wells and taps at residences, and the construction and sampling of four triple-nested monitoring wells. Alternative water systems were provided at private residences in the area where groundwater was contaminated with TCE.

In 2008, Regional Board staff conducted research pertaining to the likely source of the TCE contamination. Based on their work, Regional Board staff identified discharges of wastewater, that potentially contained TCE, to the RP-1 treatment plant and associated disposal areas as 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 sewage systems tributary 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).

Under the Regional Board's oversight from 2007 to 2014, the ABGL parties and/or the RP-1 parties conducted sampling at private residential wells and taps approximately every two years in the region where groundwater was potentially contaminated with TCE. By 2014, all private wells and/or taps in the area of the plume had been sampled at least once as part of the sampling program. The report documenting this data was published in November 2014³. Both the ABGL and RP-1 parties provided water tank systems where water was delivered from the City of Ontario's potable supply via truck deliveries, to residences in the area where well water contained TCE at or above 80 percent of the MCL for TCE (e.g. equal to or greater than 4 µg/l). Residents who declined tank systems were provided bottled water service.

In July 2015, the RP-1 parties completed a draft feasibility study report for the South Archibald plume (Feasibility Study)⁴. The Feasibility Study established clean-up objectives for both domestic water supply and plume remediation and evaluated alternatives to accomplish these objectives. In August 2015, a draft remedial action plan (RAP) was concurrently prepared by the RP-1 parties⁵ to present the preferred plume remediation and domestic water supply alternatives. A public review period followed along with two community meetings in September 2015 to educate the public about the plume, the Feasibility Study and the RAP, and to solicit comments on these reports. In November

³ Erler & Kalinowski, Inc. (2014). Supplemental Data Report Trichloroethene Plume Central Chino Basin. Prepared for Aerojet Rocketdyne, Boeing, General Electric, and Lockheed Martin. November 19, 2014.

⁴ Dudek (2015). Draft Feasibility Study Report South Archibald Plume, Ontario, California. Prepared for City of Ontario, City of Upland, and Inland Empire Utilities Agency. July 2015.

⁵ Dudek (2015). Draft Remedial Action Plan South Archibald Plume, Ontario, California. Prepared for City of Ontario, City of Upland, and Inland Empire Utilities Agency. August 2015.



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2015, a revised Draft Feasibility Study⁶, RAP⁷, and responses to comments were completed to address input from the public, ABGL, and other parties.

In September 2016, the Regional Board issued the Final Stipulated Settlement and CAO R8-2016-0016 (Stipulated CAO) collectively to the RP-1 parties and the ABGL parties (excluding Northrop Grumman). The Stipulated 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 aligned with the Final CAO and authorized funding to initiate implementation of the plume remediation alternative.

Remedial Action Plan:

Plume Remediation. The plume remediation alternative identified in the Feasibility Study, RAP and Final CAO involves the use of existing and proposed Chino Basin Desalter Authority (CDA) wells and treatment facilities. The RP-1 parties and the CDA reached a Joint Facility Development Agreement⁸ for implementation of a project designed to remediate the South Archibald plume. The proposed project includes the construction and operation of three new CDA wells (II-10, II-11, and II-12) a dedicated pipeline to convey groundwater produced from these wells to the Desalter II treatment facility where TCE and other VOCs would be removed via air stripping. Existing CDA well I-11 would also be plumbed into the air-stripping treatment facility as part of the project. The construction of wells II-10 and II-11 was completed in September 2015. In 2018 equipping of these wells was completed and pumping initiated in July 2018 and September 2018 at wells II-11 and II-10 respectively. The land acquisition process for Well II-12, and construction of the dedicated raw water pipeline to deliver the water from the three new wells to the Chino-II Desalter are underway. The construction of Well II-12 is expected to begin in 2019 and pumping at all three wells is anticipated to begin by 2020.

Domestic Water Supply. The domestic water supply alternative identified in the Feasibility Study and RAP is a hybrid between the installation of tank systems for some residences where water is delivered from the City of Ontario potable supply, and the installation of a pipeline to connect some residences to the City of Ontario potable water system. Pursuant to the Stipulated CAO, the Cities of Ontario and Upland have assumed the responsibility for implementing the domestic water supply alternative for those private residences who are currently receiving bottled water because of the TCE groundwater contamination. In February 2017, the Cities of Ontario and Upland submitted a *Domestic*

⁶ Dudek (2015). Draft Feasibility Study Report South Archibald Plume, Ontario, California. Prepared for City of Ontario, City of Upland, and Inland Empire Utilities Agency. November 2015.

⁷ Dudek (2015). Draft Remedial Action Plan South Archibald Plume, Ontario, California. Prepared for City of Ontario, City of Upland, and Inland Empire Utilities Agency. November 2015.

⁸ Agreement dated June 22, 2015



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*Water Supply Work Plan*⁹ to the Regional Board that outlined the approach to provide alternative water supplies to affected residences currently receiving bottled water. The Regional Board approved¹⁰ the work plan on March 3, 2017. At the time of the work plan approval, 32 residences were using tanks systems that were previously installed and 21 residences were receiving bottled water. The alternative water supply options included: installation of a tank system; connection to an existing City of Ontario water main; connection to a future City of Ontario water main; or remain on bottled water. In accordance with the schedule in the Stipulated CAO and the work plan, tank systems would be installed within six months of resident consent, connections to Ontario's existing municipal water system would be constructed within three months of resident consent, and construction and connection to a new water main would occur within 18 months of resident consent. Additionally, bottled water would be supplied to any newly affected residents immediately upon determining that TCE was present at concentrations greater than 4 µgl.

Monitoring and Reporting: Pursuant to the Stipulated CAO, the Cities of Ontario and Upland are responsible for coordinating and conducting ongoing monitoring of the plume and submittal of an annual plume monitoring report to Regional Board by December 31 of each year. Pursuant to the November 2016 Stipulated CAO, a *Private Water Supply Well Sampling Work Plan*¹¹ was submitted to the Regional Board in February 6, 2017 and approved on February 14, 2017.¹² The purpose of the sampling was to track the plume extent, and potentially affected residences, to ensure that that an alternative water supply was provided to residences using water with TCE concentrations greater than 4 µgl.

Pursuant to the February 2017 work plan, the first round of sampling occurred in February and March 2017 and the results were reported in the *Annual Groundwater Monitoring Report*¹³ submitted to the Regional Board on May 15, 2017. The second round of sampling occurred in September to November 2017 and the results were reported in the *Annual Groundwater Monitoring Report*¹⁴ submitted to the Regional Board on December 29, 2017.

In addition to the monitoring performed by the RP-1 parties, Watermaster routinely collects groundwater samples at private wells in the plume area. Watermaster uses data obtained from their

⁹ Dudek (2017). *Domestic Water Supply Work Plan South Archibald Plume, Ontario, California*. Prepared for the City of Ontario, City of Upland. February 2017.

¹⁰ Regional Board. Letter from Kurt Berchtold to the City of Ontario. *Domestic Water Supply Workplan – South Archibald Trichloroethylene Plume, Ontario, California*. March 3, 2017.

¹¹ EEC Environmental (2017). *Workplan – Private Water Supply Well Sampling*. Ontario California. Prepared for the City of Ontario. February 6, 2017.

¹² Regional Board. Letter from Kurt Berchtold to the City of Ontario. *Private Water Supply Sampling Work Plan – Selected Private Groundwater Wells and Taps, Ontario, California*. February 14, 2017.

¹³ Dudek (2017). *Annual Groundwater Monitoring Report South Archibald TCE Plume Ontario, California*. Prepared for the City of Ontario and City of Upland. May 2017.

¹⁴ Dudek (2017). *Annual Groundwater Monitoring Report*. Prepared for the City of Ontario and City of Upland. December 2017.



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own monitoring efforts together with other sources of publicly available data to independently delineate the South Archibald TCE plume as part of the Chino Basin State of the Basin Reports that are prepared every two years.

Recent Activity: In accordance with CAO No. R8-2016-0016, the RP-1 Parties conducted annual sampling from October to December 2018. The sampling activities and results are detailed in the 2018 *Annual Groundwater Monitoring Report*¹⁵ prepared by Dudek. Exhibit 1 shows the extent of TCE greater than 5 µgl as presented in the *Annual Groundwater Monitoring Report*. The next annual monitoring event is scheduled for Fall 2019.

Domestic Water Supply. As of December 2018, 37 residences are supplied water by 25 tank systems. Ten of these tank systems are located at the western edge of the plume, where TCE concentrations have been stable or declining over time. Multiple residences remain on bottled water supply, however, three of these residences were converted to tank systems and one was connected to the City of Ontario water mains in 2018. The City of Ontario is currently designing and moving forward with installing a tank system for a residence and a commercial office that were newly identified as requiring an alternative water supply in 2018.

Plume Remediation. CDA and IEUA continue to negotiate property access for construction of well II-12 with the private land owner of the selected construction site. The property access agreement has taken longer than expected due to extenuating circumstances and has caused delays in the advancement of various project activities in the Stipulated CAO that are dependent on acquiring the well II-12 site. These tasks include: design and construction of well II-12; design and construction of the raw water pipeline to connect well II-12 to the Desalter II treatment facility; and design and construction of the decarbonator modification. In June 2018, a request¹⁶ to modify the project schedule was submitted to the Regional Board for these project tasks. The Regional Board approved the request in July 2018.^{17,18}

The construction of well II-12 is expected to begin in 2019 and completed by mid-2020. The completion of the dedicated pipeline to convey groundwater from the three new wells and existing well I-11 is on hold until the land acquisition process for well II-12 and its pipeline is complete. The overall project is anticipated to be operational by 2020.

¹⁵ Dudek (2019). Annual Groundwater Monitoring Report South Archibald TCE Plume Ontario, California. Prepared for The City of Ontario and City of Upland. February 2019.

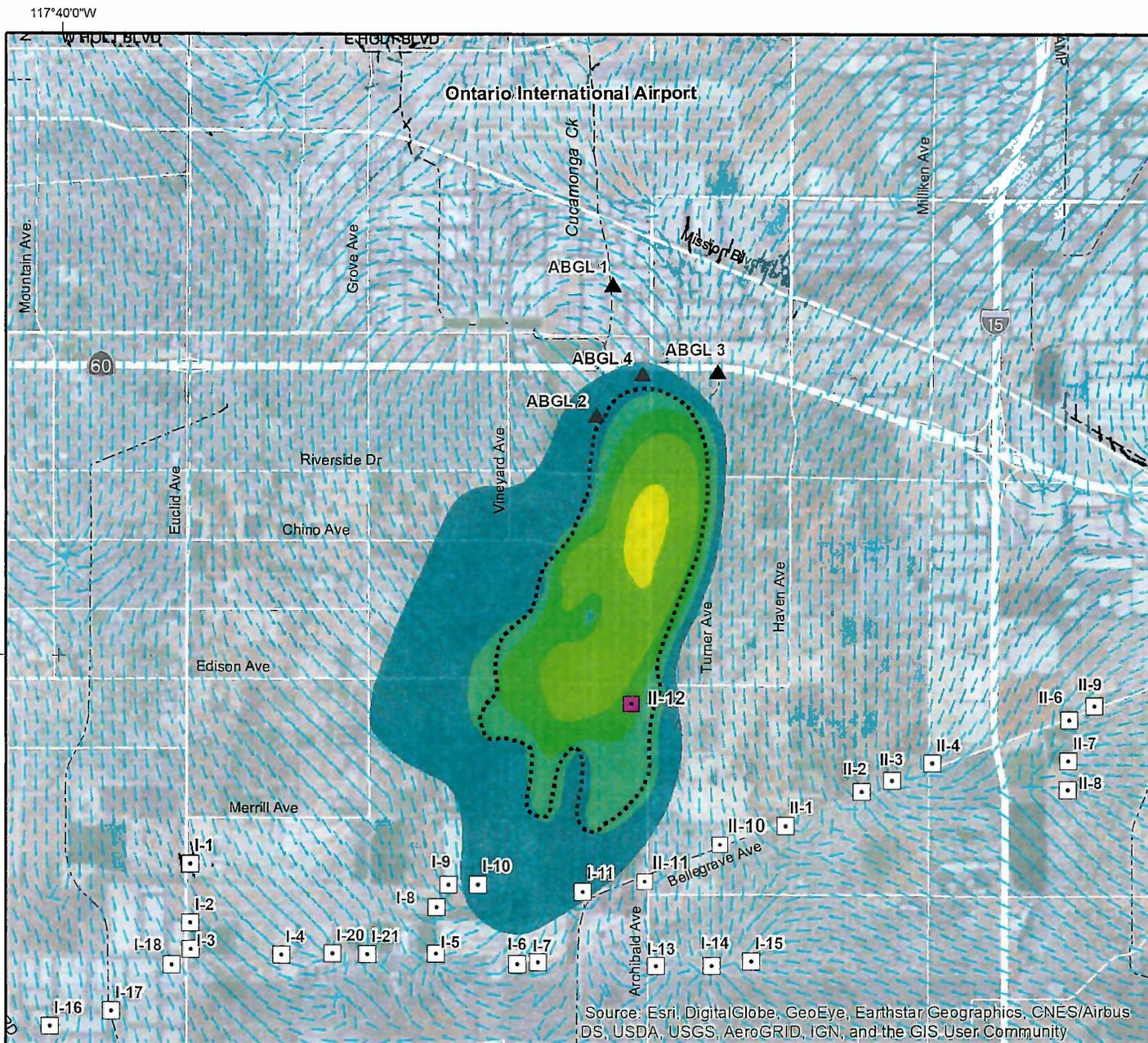
¹⁶ IEUA (2018). Letter from IEUA to the Regional Board - Project *Deadline Extension Request – Stipulated Settlement and Cleanup and Abatement Order No. R8-2016-0016*. June 21, 2018.

¹⁷ Regional Board (2018). Letter from Hope Smythe to IEUA – *Approval of Project Deadline Extension Request – Stipulated Settlement and Cleanup and Abatement Order (Stipulated CAO) No. R8-20016-0016*. July 12, 2018

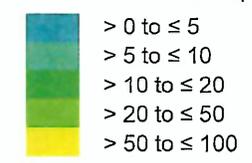
¹⁸ Regional Board (2018). Letter from Hope Smythe to IEUA – *Update to Project Deadline Extension – Stipulated Settlement and Cleanup and Abatement Order (Stipulated CAO) No. R8-20016-0016*. July 17, 2018



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Maximum TCE Concentration (µg/l)
 July 2011 to June 2016
 (Delineated by Watermaster in the 2016
 State of the Basin Report)



Approximate Extent of TCE greater than or equal to 5 µg/l as delineated in the 2018 Annual Groundwater Monitoring Report (Dudek, 2019)

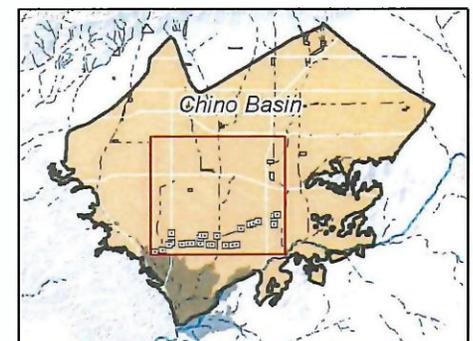
Chino Basin Desalter Authority
 Production Wells:

- Existing (Constructed Between 1999 and 2016)
- Proposed Well Location
- ▲ ABGL Monitoring Well

→ 2018 Model Generated Groundwater Flow Direction (Model Layer 1)

~ Streams & Flood Control Channels

⊂ Flood Control & Conservation Basins



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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 Prepared by:



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CBWM Semi-Annual Status Report

South Archibald TCE Plume

Exhibit 1