

CHINO BASIN WATERMASTER



NOTICE OF MEETING

Thursday, March 21, 2019

9:00 a.m. – Advisory Committee Meeting

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

CHINO BASIN WATERMASTER

Thursday, March 21, 2019

9:00 a.m. – Advisory Committee Meeting

AGENDA

**CHINO BASIN WATERMASTER
ADVISORY COMMITTEE MEETING**

9:00 a.m. – March 21, 2019

WITH

Ms. Teri Layton, Chair

Mr. Brian Geye, Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

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 Advisory Committee Special Meeting held January 11, 2019 (*Page 1*)
2. Minutes of the Advisory Committee Meeting held January 17, 2019 (*Page 5*)

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of January 2019 (*Page 9*)
2. Watermaster VISA Check Detail for the month of January 2019 (*Page 21*)
3. Combining Schedule for the Period July 1, 2018 through January 31, 2019 (*Page 25*)
4. Treasurer's Report of Financial Affairs for the Period January 1, 2019 through January 31, 2019 (*Page 29*)
5. Budget vs. Actual Report for the Period July 1, 2018 through January 31, 2019 (*Page 33*)

C. OBMP SEMI-ANNUAL STATUS REPORT 2018-2 (*Page 57*)

Recommend to the Watermaster Board to 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 (*Page 75*)

Recommend to the Watermaster Board to approve and direct staff to file the information/reports with the DWR.

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

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

C. CFO REPORT

1. Fiscal Year 2019/20 Budget Schedule

D. GM REPORT

1. OBMP Update
2. Appropriative Pool Member Commitments to Purchase Overlying Non-Agricultural Pool Water Per Restated Judgment Exhibit "G" *(Page 81)*
3. Prior Assessment Package Revision Program
4. Ely 3 Update
5. USACE FS/EIR/EIS
6. Water Quality Colloquium – May 2, 2019
7. Other

E. INLAND EMPIRE UTILITIES AGENCY

1. MWD Update *(Written) (Page 85)*
2. State and Federal Legislative Reports *(Written) (Page 87)*
3. Community Outreach/Public Relations Report *(Written) (Page 115)*

F. METROPOLITAN MEMBER AGENCY REPORTS

IV. INFORMATION

1. Cash Disbursements for February 2019 *(Page 119)*
2. Santa Ana River Watershed Status Report (Semi-Annual) *(Page 127)*

V. COMMITTEE MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

A Confidential Session may be held during the Advisory Committee meeting for the purpose of discussion and possible action.

VIII. FUTURE MEETINGS AT WATERMASTER

3/21/19	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
3/21/19	Thu	9:00 a.m.	Advisory Committee
3/21/19	Thu	10:00 a.m.	OBMP Update – Listening Session 3
3/26/19	Tue	10:00 a.m.	Fiscal Year 2019/20 Budget Release
3/28/19	Thu	9:00 a.m.	Ground-Level Monitoring Committee (If Needed)
3/28/19	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Advisory Committee Special Meeting held on January 11, 2019
2. Advisory Committee Meeting held on January 17, 2019

**DRAFT MINUTES
CHINO BASIN WATERMASTER
ADVISORY COMMITTEE – SPECIAL MEETING**

January 11, 2019

The Advisory Committee special meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on January 11, 2019

ADVISORY COMMITTEE MEMBERS PRESENT

APPROPRIATIVE POOL

Teri Layton, Chair
Van Jew
Dave Crosley
Ron Craig
Scott Burton
Cris Fealy
Josh Swift
Rosemary Hoerning
Raul Garibay for Chris Diggs
Eduardo Espinoza for John Bosler
Eldon Horst

San Antonio Water Company
Monte Vista Water District
City of Chino
City of Chino Hills
City of Ontario
Fontana Water Company
Fontana Union Water Company
City of Upland
City of Pomona
Cucamonga Valley Water District
Jurupa Community Services District

NON-AGRICULTURAL POOL

Brian Geye, Vice-Chair

California Speedway Corporation

AGRICULTURAL POOL

Jeff Pierson, 2nd Vice-Chair
Bob Feenstra

Crops
Dairy

WATERMASTER BOARD MEMBERS PRESENT

Bob Kuhn
Eunice Ulloa
Bob Bowcock

Three Valleys Municipal Water District
City of Chino
CalMat Co.

WATERMASTER STAFF PRESENT

Peter Kavounas
Joseph Joswiak
Edgar Tellez Foster
Anna Nelson
Justin Nakano

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

WATERMASTER CONSULTANTS PRESENT

Brad Herrema

Brownstein Hyatt Farber Schreck, LLP

OTHERS PRESENT

Amanda Coker
Praseetha Krishnan
Richard Rees
Ryan Shaw
Courtney Jones

City of Chino
Cucamonga Valley Water District
Wood plc
Western Municipal Water District
City of Ontario

CALL TO ORDER

Chair Layton called the Advisory Committee meeting to order at 10:08 a.m.

AGENDA – ADDITIONS/REORDER

(0:00:29) Mr. Kavounas announced that the projector was not working.

I. BUSINESS ITEMS

A. CONSIDERATION OF 2018 AGREEMENT TO APPROPRIATIVE POOL POOLING PLAN AND CAMA AMENDMENTS (DISCUSSION AND POSSIBLE ACTION)

(0:00:47) Chair Layton introduced Business Item I.A. and asked Mr. Kavounas to give a report.

(0:01:27) Mr. Kavounas gave a report. A discussion ensued.

(0:08:34) Mr. Garibay introduced a motion. A discussion ensued.

(0:13:56) Mr. Garibay repeats the motion. Further discussion ensued and the motion dies without a second support.

(0:24:22) Mr. Crosley introduced a motion, seconded by Mr. Garibay. A discussion ensued.

(0:28:25) Mr. Crosley repeats the motion. Further discussion ensued.

(0:29:56) Mr. Burton requests language added to motion specifying that if an Appropriative Pool party, Agreement will be signed following necessary governing body approvals. Messrs. Crosley and Garibay concurred.

*(0:42:35) Volume Vote was taken and results are attached to these minutes
Motion by Mr. Dave Crosley, seconded by Mr. Raul Garibay, and passed by 80% Volume Vote
Moved to approve Business Item I.A. as follows: The Advisory Committee supports (if an Appropriative Party this support includes the intent to sign the agreement following any necessary governing body approvals) the “2018 Agreement to Appropriative Pool Pooling Plan and CAMA Amendments” and hereby forwards it to the Watermaster Board for their support.*

No Vote by:
Jeff Pierson – Agricultural Pool

ADJOURNMENT

Chair Layton adjourned the Advisory Committee meeting at 10:51 a.m.

Secretary: _____

Approved: _____

Attachment: January 11, 2019 Advisory Committee Volume Vote for Business Item I.A., Consideration of 2018 Agreement to Appropriative Pool Pooling Plan and CAMA Amendments



2019 ADVISORY COMMITTEE VOLUME VOTE
Assessment Year 2018-2019 (Production Year 2017-2018)

QUORUM
MET?
YES

Enter Y or N in Each Cell

Party	Present (Y/N)	Vote (Y/N)	Assigned	Reallocated	Available	Quorum	Total Yes
Minor 1	Y	Y	3.016	0.000	3.016	3.016	3.016
Minor 2	Y	Y	3.016	0.000	3.016	3.016	3.016
Chino Hills, City Of	Y	Y	2.793	0.000	2.793	2.793	2.793
Chino, City Of	Y	Y	3.056	0.000	3.056	3.056	3.056
Cucamonga Valley Water District	Y	Y	5.807	0.000	5.807	5.807	5.807
Fontana Union Water Company	Y	Y	4.371	0.000	4.371	4.371	4.371
Fontana Water Company	Y	Y	5.559	0.000	5.559	5.559	5.559
Jurupa Community Services District	Y	Y	8.652	0.000	8.652	8.652	8.652
Monte Vista Water District	Y	Y	6.389	0.000	6.389	6.389	6.389
Ontario, City Of	Y	Y	17.447	0.000	17.447	17.447	17.447
Pomona, City Of	Y	Y	12.201	0.000	12.201	12.201	12.201
Upland, City Of	Y	Y	2.693	0.000	2.693	2.693	2.693
AGRICULTURAL POOL	Y	N	20.000	0.000	20.000	20.000	0.000
NON-AGRICULTURAL POOL	Y	Y	5.000	0.000	5.000	5.000	5.000
			100.000	0.000	100.000	100.000	80.000

CALCULATE QUORUM	CALCULATE VOTES
RESET ALL	RESET VOTES

"YES" VOTES
80.000%

"NO" VOTES
20.000%

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DRAFT MINUTES
CHINO BASIN WATERMASTER
ADVISORY COMMITTEE MEETING

January 17, 2019

The Advisory Committee meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on January 17, 2019.

ADVISORY COMMITTEE MEMBERS PRESENT

APPROPRIATIVE POOL

Teri Layton, Chair
Ron Craig
Cris Fealy
Eric Tarango for Josh Swift
John Bosler
Chris Diggs
Courtney Jones for Scott Burton
Rosemary Hoerning
Van Jew
Eldon Horst
Dave Crosley

San Antonio Water Company
City of Chino Hills
Fontana Water Company
Fontana Union Water Company
Cucamonga Valley Water District
City of Pomona
City of Ontario
City of Upland
Monte Vista Water District
Jurupa Community Services District
City of Chino

NON-AGRICULTURAL POOL

Brian Geye, Vice-Chair

California Speedway Corporation

AGRICULTURAL POOL

Jeff Pierson, 2nd Vice-Chair
Jimmy Medrano

Crops
State of California – CIM/CDCR

WATERMASTER BOARD MEMBERS PRESENT

Bob Kuhn
Eunice Ulloa

Three Valleys Municipal Water District
City of Chino

WATERMASTER STAFF PRESENT

Peter Kavounas
Joseph Joswiak
Edgar Tellez Foster
Anna Nelson
Justin Nakano

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

WATERMASTER CONSULTANTS PRESENT

Christopher Guillen
Andy Malone
Carolina Sanchez

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

OTHERS PRESENT

Shaun Stone
Eduardo Espinoza
Praseetha Krishnan
Amanda Coker
Richard Rees
Chris Berch
Manny Martinez
Steven Popelar
Matthew Litchfield

Inland Empire Utilities Agency
Cucamonga Valley Water District
Cucamonga Valley Water District
City of Chino
Wood plc
Inland Empire Utilities Agency
Monte Vista Water District
Jurupa Community Services District
Three Valleys Municipal Water District

Raul Garibay

City of Pomona

CALL TO ORDER

Chair Layton called the Advisory Committee meeting to order at 9:01 a.m.

AGENDA – ADDITIONS/REORDER

None

I. INTRODUCTION OF THE ADVISORY COMMITTEE OFFICERS – CALENDAR YEAR 2019

Chair	Teri Layton (Appropriative Pool)
Vice-Chair	Brian Geye (Non-Agricultural Pool)
2 nd Vice-Chair	Jeff Pierson (Agricultural Pool)
Secretary/Treasurer	Peter Kavounas (Watermaster General Manager)

(0:00:25) Ms. Layton introduced calendar year 2019 Advisory Committee Officers.

II. 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 Advisory Committee Meeting held November 15, 2018

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of October 2018
2. Watermaster VISA Check Detail for the month of October 2018
3. Combining Schedule for the Period July 1, 2018 through October 31, 2018
4. Treasurer’s Report of Financial Affairs for the Period October 1, 2018 through October 31, 2018
5. Budget vs. Actual Report for the Period July 1, 2018 through October 31, 2018
6. Cash Disbursements for the month of November 2018
7. Watermaster VISA Check Detail for the month of November 2018
8. Combining Schedule for the Period July 1, 2018 through November 30, 2018
9. Treasurer’s Report of Financial Affairs for the Period November 1, 2018 through November 30, 2018
10. Budget vs. Actual Report for the Period July 1, 2018 through November 30, 2018

C. CHINO BASIN WATERMASTER INVESTMENT POLICY

Recommend to the Watermaster Board to approve Resolution 2019-01 – Resolution of the Chino Basin Watermaster, San Bernardino County, California, Re-Authorizing the Watermaster’s Investment Policy.

D. LOCAL AGENCY INVESTMENT FUND

Recommend to the Watermaster Board to approve Resolution 2019-02 – Resolution Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF).

E. CHINO BASIN WATERMASTER 41st ANNUAL REPORT

Recommend to the Watermaster Board to adopt the 41st Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

F. REVISED PAGE 8.1 FROM FISCAL YEAR 2018/19 ASSESSMENT PACKAGE

Approve the revised Page 8.1 of Fiscal Year 2018/19 Assessment Package.

G. APPLICATION FOR RECHARGE

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

(0:00:37)

*Motion by Vice-Chair Brian Geye, seconded by Mr. Jeff Pierson, and by unanimous vote
Moved to approve the Consent Calendar as presented.*

III. BUSINESS ITEMS

NONE

IV. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal from April 28, 2017 Order
2. December 28, 2018 Court Hearing

(0:01:01) Mr. Guillen, who filled in for Mr. Herrema, gave a report. A discussion ensued.

B. ENGINEER REPORT

1. Salinity Management Update
2. 2020 Safe Yield Recalculation
3. Chino Basin Project
4. Pomona Extensometer
5. Chino Airport Remediation Project Evaluation

(0:06:15) Mr. Malone announced that there were no changes to his report since the Pool meetings last week. The Committee declined to have the reports provided again.

C. CFO REPORT

1. 2018/19 Assessment Invoicing

(0:06:38) Mr. Joswiak gave a report and announced that all 2018/19 Assessment invoices have been received by Watermaster.

D. GM REPORT

1. SGMA Basin Prioritization
2. OBMP Update
3. Exhibit "G" Physical Solution Transfers
4. Updated Storage Agreements (Form 8)
5. 40th Judgment Anniversary Commemoration Event
6. Other

(0:07:52) Mr. Kavounas announced that there were no changes to his report since the Pool meetings last week, gave a presentation on OBMP Update Listening Session 1, and gave an update on Item IV.D.3.

E. INLAND EMPIRE UTILITIES AGENCY

1. MWD Update (Written)
2. State and Federal Legislative Reports (Written)
3. Community Outreach/Public Relations Report (Written)

(0:14:50) Mr. Berch gave a presentation, and announced that Mr. Paul Hofer was newly elected Chair of the Inland Empire Utilities Agency’s Board of Directors, Ms. Jasmine Hall was elected as Vice-President, and Ms. Kati Parker, was elected as Secretary/Treasurer.

F. OTHER METROPOLITAN MEMBER AGENCY REPORTS

(0:26:48) Mr. Litchfield announced that Mr. Rick Hansen’s retirement celebration will be held Saturday, February 2, 2019, and that the next TVMWD Leadership Breakfast will be held on February 28, 2019.

V. INFORMATION

- 1. Notice of Intent Regarding the Determination of Operating Safe Yield
- 2. Cash Disbursements for December 2018

VI. COMMITTEE MEMBER COMMENTS

(0:27:41) Mr. Crosley inquired as to when Mr. Guillen might respond to a question by Mr. Jew’s raised earlier in the meeting. Mr. Guillen responded that he will confer with Mr. Herrema and respond accordingly.

VII. OTHER BUSINESS

None

VIII. CONFIDENTIAL SESSION - POSSIBLE ACTION

None

ADJOURNMENT

Chair Layton adjourned the Advisory Committee meeting at 9:30 a.m.

Secretary:_____

Approved:_____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

B. FINANCIAL REPORTS

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



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: March 21, 2019
TO: Advisory Committee
SUBJECT: Cash Disbursement Report - Financial Report B1 (January 31, 2019)

SUMMARY

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

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

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

Future Consideration

Advisory Committee – March 21, 2019: Receive and File

Watermaster Board – March 28, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – March 14, 2019: Received and filed

Non-Agricultural Pool – March 14, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – March 14, 2019: Received and filed

Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 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 January 2019 were \$539,777.79.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$175,105.75 (check number 21234 dated January 4, 2019); and Brownstein Hyatt Farber Schreck in the amount of \$87,893.12 (check number 21233 dated January 4, 2019).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/03/2019	ACH 010319	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	12/29/2018	12/29/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 12/16/18-12/29/18	2000 · Accounts Payable	7,373.28
TOTAL						7,373.28
Bill Pmt -Check	01/04/2019	21233	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	11/30/2018	744119		744119	6078 · BHFS Legal - Miscellaneous	21,408.30
				Angelica BK	6078 · BHFS Legal - Miscellaneous	656.10
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	36.86
				40th Anniversary Event	6078 · BHFS Legal - Miscellaneous	2,296.35
Bill	11/30/2018	744120		457(f) Plan Regulations	6073 · BHFS Legal - Personnel Matters	4,580.10
Bill	11/30/2018	744121		744121	6907.34 · Santa Ana River Water Rights	2,349.45
				Federal Express	6907.34 · Santa Ana River Water Rights	11.60
Bill	11/30/2018	744122		744122	6907.32 · Chino Airport Plume	623.70
Bill	11/30/2018	744123		744123	6907.36 · Santa Ana River Habitat	1,260.00
Bill	11/30/2018	744124		744124	6275 · BHFS Legal - Advisory Committee	1,336.50
Bill	11/30/2018	744125		744125	6375 · BHFS Legal - Board Meeting	7,630.20
				Delivery/Ground Transportation	6375 · BHFS Legal - Board Meeting	150.00
Bill	11/30/2018	744126		744126	8375 · BHFS Legal - Appropriative Pool	2,495.25
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	31.65
Bill	11/30/2018	744127		744127	8475 · BHFS Legal - Agricultural Pool	1,780.20
Bill	11/30/2018	744128		744128	8575 · BHFS Legal - Non-Ag Pool	1,622.25
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	31.65
Bill	11/30/2018	744129		744129	6071 · BHFS Legal - Court Coordination	10,001.25
Bill	11/30/2018	744130		744130	6077 · BHFS Legal - Party Status Maint	2,757.15
Bill	11/30/2018	744131		744131	6907.39 · Recharge Master Plan	89.10
Bill	11/30/2018	744132		744132	6907.41 · Prado Basin Habitat Sustain	89.10
Bill	11/30/2018	744133		744133	6907.42 · Safe Yield Recalculation	25,152.30
				Research - Westlaw	6907.42 · Safe Yield Recalculation	112.06
				Delivery/Ground Transportation	6907.42 · Safe Yield Recalculation	150.00
				Lodging-Aug. 1, 2018	6907.42 · Safe Yield Recalculation	225.00
				Lodging-Aug. 23, 2018	6907.42 · Safe Yield Recalculation	225.00
				Lodging-Oct. 25, 2018	6907.42 · Safe Yield Recalculation	225.00
Bill	11/30/2018	744134		744134	6907.44 · SGMA Compliance	267.30
Bill	11/30/2018	744135		744135	6907.45 · OBMP Update	299.70
TOTAL						87,893.12
Bill Pmt -Check	01/04/2019	21234	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	11/30/2018	2018360		2018360	7510 · PE6&7-IEUA Salinity Mgmt. Plan	34,136.10
Bill	11/30/2018	2018361		2018361	6906.31 · OBMP-Pool, Adv. Board Mtgs	5,180.25
Bill	11/30/2018	2018362		2018362	6906.32 · OBMP-Other General Meetings	1,111.50

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	11/30/2018	2018363		2018363	6906.71 · OBMP-Data Req.-CBWM Staff	5,671.80
Bill	11/30/2018	2018364		2018364	6906.76 · County Extraction Well-Modeling	9,651.64
Bill	11/30/2018	2018365		2018365	6906.72 · OBMP-Data Req.-Non CBWM Staff	6,112.40
Bill	11/30/2018	2018366		2018366	6906 · OBMP Engineering Services	2,463.30
Bill	11/30/2018	2018367		2018367	6906.1 · OBMP-Watermaster Model Update	15,595.90
Bill	11/30/2018	2018368		2018368	6906.26 · 2019 OBMP Update	3,720.88
Bill	11/30/2018	2018369		2018369	6906.73 · OBMP-Safe Yield Recalculation	6,831.00
Bill	11/30/2018	2018370		2018370	6906.15 · Integrated Model Mtgs-IEUA Cost	4,089.50
Bill	11/30/2018	2018371		2018371	6906.81 · Prepare Annual Reports	2,971.10
Bill	11/30/2018	2018372		2018372	6906.21 · State of the Basin Report	25,329.40
Bill	11/30/2018	2018373		2018373	7103.3 · Grdwr Qual-Engineering	6,867.78
Bill	11/30/2018	2018374		2018374	7104.3 · Grdwr Level-Engineering	20,289.39
Bill	11/30/2018	2018375		2018375	7107.2 · Grd Level-Engineering	3,316.30
Bill	11/30/2018	2018376		2018376	7402 · PE4-Engineering	1,366.00
Bill	11/30/2018	2018377		2018377	7402.10 · PE4 - Northwest MZ1 Area Proj.	7,826.21
Bill	11/30/2018	2018378		2018378	7108.31 · Hydraulic Control - PBHSP	3,807.60
Bill	11/30/2018	2018379		2018379	7109.3 · Recharge & Well - Engineering	1,734.00
Bill	11/30/2018	2018380		2018380	7202.2 · Engineering Svc	300.90
Bill	11/30/2018	2018381		2018381	7502 · PE6&7-Engineering	2,146.00
Bill	11/30/2018	2018382		2018382	6906.16 · CBEWP-100% IEUA Cost	4,586.80
P12 TOTAL						<u>175,105.75</u>
Bill Pmt -Check	01/04/2019	ACH 010419	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	12/14/2018	1394905143		Medical Insurance Premium - January 2019	60182.1 · Medical Insurance	7,667.57
TOTAL						<u>7,667.57</u>
Bill Pmt -Check	01/08/2019	21235	APPLIED COMPUTER TECHNOLOGIES	3010	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2018	3010		Database Consulting Services - December 2018	6052.2 · Applied Computer Technol	3,900.00
TOTAL						<u>3,900.00</u>
Bill Pmt -Check	01/08/2019	21236	CALIFORNIA GROUNDWATER COALITION	2019 Category 3 Membership Dues	1012 · Bank of America Gen'l Ckg	
Bill	01/04/2019			Jan - Jun 2019 Category 3 Membership Dues	6111 · Membership Dues	4,750.00
				Jul - Dec 2019 Category 3 Membership Dues	1433 · Prepaid Membership Dues	4,750.00
TOTAL						<u>9,500.00</u>
Bill Pmt -Check	01/08/2019	21237	CENTURYLINK	76194544	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2018	76194544		12/17/18-1/16/19	6053 · Internet Expense	1,062.78
TOTAL						<u>1,062.78</u>
Bill Pmt -Check	01/08/2019	21238	CHEF DAVE'S CAFE & CATERING	8544	1012 · Bank of America Gen'l Ckg	
Bill	12/31/2018	8544		Lunch for 11/15/18 Watermaster Board meeting	6312 · Meeting Expenses	657.26

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

TOTAL	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
							657.26
	Bill Pmt -Check	01/08/2019	21239	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/13/2018	12/13 Ag Pool Mtg		12/13/18 Special Ag Pool Meeting	8411 · Compensation	25.00
					12/13/18 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL							125.00
	Bill Pmt -Check	01/08/2019	21240	DI PRIMIO, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/04/2018	12/04 40th Event		12/04/18 40th Anniversary Event	6311 · Board Member Compensation	125.00
	Bill	12/20/2018	12/20 SY Conf Call		12/20/18 SYR Negotiations cc w/Board officers	6311 · Board Member Compensation	125.00
TOTAL							250.00
	Bill Pmt -Check	01/08/2019	21241	EUROFINS EATON ANALYTICAL	L0426609	1012 · Bank of America Gen'l Ckg	
	Bill	12/10/2018	L0426609		L0426609	7103.5 · Grdwtr Qual-Lab Svcs	848.00
TOTAL							848.00
	Bill Pmt -Check	01/08/2019	21242	MONTUORI, KERRY K.	12/05/18 Hearing	1012 · Bank of America Gen'l Ckg	
	Bill	12/05/2018	12/05/18 Hearing		Transcript for 12/05/18 court hearing	6046 · Legal Publications/Services	381.71
TOTAL							381.71
P13	Bill Pmt -Check	01/08/2019	21243	PAYCHEX	2018122700	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	2018122700		December 2018	6012 · Payroll Services	484.47
TOTAL							484.47
	Bill Pmt -Check	01/08/2019	21244	PREMIERE GLOBAL SERVICES	26999994	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	26999994		ETF call w/WE Inc.on 11/27	6909.1 · OBMP Meetings	36.19
					ETF call w/WE Inc. on 11/27	6909.1 · OBMP Meetings	6.30
					WM coordination call on 12/03	6909.1 · OBMP Meetings	55.31
					WM coordination call on 12/03	6909.1 · OBMP Meetings	6.31
					Update w/Board officers call on 12/20	6312 · Meeting Expenses	28.79
					Fee - General	6022 · Telephone	49.00
					Fee - Confidential	6022 · Telephone	49.00
					WM coordination call on 12/10	6909.1 · OBMP Meetings	15.93
					WM coordination call on 12/17	6909.1 · OBMP Meetings	16.71
					WM coordination call on 12/17	6909.1 · OBMP Meetings	6.31
					Update w/Board officers call on 12/20	6312 · Meeting Expenses	7.24
					Upper SAR HCP call on 12/20	6909.1 · OBMP Meetings	27.26
					Service fee	6022 · Telephone	11.25
TOTAL							315.60
	Bill Pmt -Check	01/08/2019	21245	PURCHASE POWER	8000-9090-0016-8851	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
	Bill	12/31/2018	8000909000168851		Postage refill	6042 · Postage - General	499.01
TOTAL							499.01
	Bill Pmt -Check	01/08/2019	21246	RAUCH COMMUNICATION CONSULTANTS, LLC Dec-1814		1012 · Bank of America Gen'l Ckg	
	Bill	12/24/2018	Dec-1814		AR41-work completed through Nov. 30, 2018	6061.3 · Rauch	3,982.50
TOTAL							3,982.50
	Bill Pmt -Check	01/08/2019	21247	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	0023230253		Office Water Bottle - December 2018	6031.7 · Other Office Supplies	48.47
TOTAL							48.47
	Bill Pmt -Check	01/08/2019	21248	RR FRANCHISING, INC.	66071	1012 · Bank of America Gen'l Ckg	
	Bill	01/03/2019	66071		Monthly janitorial service - January 2019	6024 · Building Repair & Maintenance	740.00
TOTAL							740.00
	Bill Pmt -Check	01/08/2019	21249	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
	Bill	01/03/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL							857.37
	Bill Pmt -Check	01/08/2019	21250	STATE COMPENSATION INSURANCE FUND	1970970-18	1012 · Bank of America Gen'l Ckg	
	Bill	01/01/2019	1970970-18		Monthly premium 12/26/18-1/26/19	60183 · Worker's Comp Insurance	552.42
TOTAL							552.42
	Bill Pmt -Check	01/08/2019	21251	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	7076224530355049		Fuel - December 2018	6175 · Vehicle Fuel	50.72
TOTAL							50.72
	Bill Pmt -Check	01/08/2019	21252	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	001017890001		Vision Insurance Premium - January 2019	60182.2 · Dental & Vision Ins	88.20
TOTAL							88.20
	Bill Pmt -Check	01/08/2019	21253	YUKON DISPOSAL SERVICE	21136525395	1012 · Bank of America Gen'l Ckg	
	Bill	01/04/2019	21136525395		Disposal Service - January 2019	6024 · Building Repair & Maintenance	117.14
TOTAL							117.14
	Bill Pmt -Check	01/08/2019	21254	EGOSCUE LAW GROUP, INC.	12167	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	12167		Ag Pool Legal Services - December 2018	8467 · Ag Legal & Technical Services	21,912.50
TOTAL							21,912.50
	General Journal	01/12/2019	01/12/2019	Payroll and Taxes for 12/30/18-01/12/19	Payroll and Taxes for 12/30/18-01/12/19	1012 · Bank of America Gen'l Ckg	
					Direct Deposits for 12/30/18-01/12/19	1012 · Bank of America Gen'l Ckg	29,023.52

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
				Payroll and Taxes for 12/30/18-01/12/19	1012 · Bank of America Gen'l Ckg	10,684.04
			ICMA-RC	457(b) EE Deductions for 12/30/18-01/12/19	1012 · Bank of America Gen'l Ckg	5,421.62
			ICMA-RC	401(a) EE Deductions for 12/30/18-01/12/19	1012 · Bank of America Gen'l Ckg	1,481.89
TOTAL						<u>46,611.07</u>
Check	01/15/2019	01/15/2019	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	581.65
TOTAL						<u>581.65</u>
Bill Pmt -Check	01/17/2019	21255	ACWA JOINT POWERS INSURANCE AUTHORITY	0592370	1012 · Bank of America Gen'l Ckg	
Bill	01/11/2019	0592370		Prepayment - February 2019	1409 · Prepaid Life, BAD&D & LTD	232.86
				January 2019	60191 · Life & Disab.Ins Benefits	223.93
TOTAL						<u>456.79</u>
Bill Pmt -Check	01/17/2019	21256	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	12/13/2018	XXXX-XXXX-XXXX-9341		Parking-Ontario Convention-40th Anniv. event	1550 · Special Event-40th Anniversary	496.34
				Miscellaneous office supplies	6031.7 · Other Office Supplies	253.33
				Toner cartridges	6031.7 · Other Office Supplies	583.66
				2018 staff holiday lunch	6141.3 · Admin Meetings	281.50
				HR COMPackage Software	6054 · Computer Software	293.87
				VMWare - 1 year annual support	6055 · Computer Hardware	63.89
				Staff mtg PK, AN, JJ	6141.3 · Admin Meetings	65.03
				Lunch for OBMP Update meeting	6909.1 · OBMP Meetings	87.97
				Miscellaneous office supplies	6031.7 · Other Office Supplies	38.23
				Miscellaneous office supplies	6031.7 · Other Office Supplies	13.54
				Miscellaneous office supplies	6031.7 · Other Office Supplies	24.31
				SkillPatch - 1 year seminar package	6192 · Seminars - General	881.62
				Photographer - 40th Anniversary event	1550 · Special Event-40th Anniversary	294.86
				PK mtg w/S. Burton	8312 · Meeting Expenses	28.70
				PK mtg w/B. Bowcock	6312 · Meeting Expenses	22.04
TOTAL						<u>3,428.89</u>
Bill Pmt -Check	01/17/2019	21257	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	12/05/2018	12/05 Court Hearing		12/05/18 Court Hearing	8470 · Ag Meeting Attend -Special	125.00
Bill	12/13/2018	12/13 Special Ag Mtg		12/13/18 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	01/17/2019	21258	FIRST LEGAL NETWORK LLC	40023636	1012 · Bank of America Gen'l Ckg	
Bill	12/12/2018	40023636		Court filing on 12/12/18	6061.5 · Court Filing Services	77.94
TOTAL						<u>77.94</u>

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
	Bill Pmt -Check	01/17/2019	21259	HR DIRECT / GNEIL	INV7128545	1012 · Bank of America Gen'l Ckg	
	Bill	01/11/2019	INV7128545		Poster guard-Federal HR Posters - 12 months	6031.7 · Other Office Supplies	94.81
TOTAL							<u>94.81</u>
	Bill Pmt -Check	01/17/2019	21260	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/13/2018	12/13 Special Ag Mtg		12/13/18 Special Ag Pool Meeting	8411 · Compensation	25.00
					12/13/18 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/17/2019	21261	INLAND EMPIRE UTILITIES AGENCY	1800004105	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	1800004105		RTS charge for FY 2018/2019	5018 · RTS Charges - IEUA	29,084.30
TOTAL							<u>29,084.30</u>
	Bill Pmt -Check	01/17/2019	21262	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018			Appropriative Pool Legal Services - Dec. 2018	8367 · Legal Service	5,790.00
					Third Party Expenses	8367 · Legal Service	602.60
TOTAL							<u>6,392.60</u>
	Bill Pmt -Check	01/17/2019	21263	LOEB & LOEB LLP	1806210	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	1806210		Non-Ag Pool Legal Services - December 2018	8567 · Non-Ag Legal Service	13,013.60
TOTAL							<u>13,013.60</u>
	Bill Pmt -Check	01/17/2019	21264	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	12/13/2018	12/13 Special Ag Mtg		12/13/18 Special Ag Pool Meeting	8411 · Compensation	25.00
					12/13/18 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/17/2019	21265	R&D PEST SERVICES	0238307	1012 · Bank of America Gen'l Ckg	
	Bill	01/10/2019	0238307		Inside & Outside - Pest control	6024 · Building Repair & Maintenance	100.00
TOTAL							<u>100.00</u>
	Bill Pmt -Check	01/17/2019	ACH 011719	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	General Journal	01/12/2019	01/12/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 12/30/18-01/12/19	2000 · Accounts Payable	7,444.83
TOTAL							<u>7,444.83</u>
	Bill Pmt -Check	01/22/2019	21266	CORELOGIC INFORMATION SOLUTIONS	81937731	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	81937731		81937731	7103.7 · Grdwtr Qual-Computer Svc	62.50
					81937731	7101.4 · Prod Monitor-Computer	62.50
TOTAL							<u>125.00</u>
	Bill Pmt -Check	01/22/2019	21267	CUCAMONGA VALLEY WATER DISTRICT	Office Lease	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	01/16/2019			Office lease due February 1, 2019	1422 · Prepaid Rent	6,866.54
TOTAL						<u>6,866.54</u>
Bill	01/17/2019	24080299	GREAT AMERICA LEASING CORP.	Invoice for January 2019	6043.1 · Ricoh Lease Fee	2,661.62
TOTAL						<u>2,661.62</u>
Bill	01/08/2019	200015653	IAAP	Order new certificates for AN with new name	6111 · Membership Dues	50.00
TOTAL						<u>50.00</u>
Bill	01/16/2019	111802	LEGAL SHIELD	Employee deductions - January 2019	60194 · Other Employee Insurance	51.80
TOTAL						<u>51.80</u>
Bill	12/31/2018	November 2018	MONTE VISTA WATER DIST	SCADA Installation, Monitoring - Nov. 2018	7107.63 · Grd Level-MVWD SCADA Reimburse	9,128.12
Bill	12/31/2018	December 2018		SCADA Installation, Monitoring - Dec. 2018	7107.63 · Grd Level-MVWD SCADA Reimburse	7,093.75
TOTAL						<u>16,221.87</u>
Bill	01/16/2019	3102829263	PITNEY BOWES GLOBAL FINANCIAL SERVICES	Postage meter lease	6044 · Postage Meter Lease	401.91
TOTAL						<u>401.91</u>
Bill	01/04/2019	Jan-1904	RAUCH COMMUNICATION CONSULTANTS, LLC	AR41-work completed through January 4, 2019	6061.3 · Rauch	2,387.50
TOTAL						<u>2,387.50</u>
Bill	01/05/2019	8052774460	STAPLES BUSINESS ADVANTAGE	Miscellaneous office supplies	6031.7 · Other Office Supplies	38.01
TOTAL						<u>38.01</u>
Bill	01/31/2019		STAULA, MARY L	New monthly amount for 2019	60182.4 · Retiree Medical	25.87
TOTAL						<u>25.87</u>
Bill	01/16/2019	052515732393	UNITED HEALTHCARE	Dental Insurance Premium - February 2019	60182.2 · Dental & Vision Ins	683.07
TOTAL						<u>683.07</u>
Bill	01/22/2019	21277	VERIZON WIRELESS		1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

Type	Date	Num	Name	Memo	Account	Paid Amount	
Bill	01/16/2019	9821595240		Acct #470810953-00001	6022 · Telephone	297.73	
TOTAL						297.73	
General Journal	01/23/2019	19/01/11	ICMA-RC	RHS Annual Payments	1012 · Bank of America Gen'l Ckg		
			ICMA-RC	RHS Annual Payments as of January 15, 2019	1012 · Bank of America Gen'l Ckg	5,909.19	
TOTAL						5,909.19	
General Journal	01/26/2019	01/26/2019	Payroll and Taxes for 01/13/19-01/26/19	Payroll and Taxes for 01/13/19-01/26/19	1012 · Bank of America Gen'l Ckg		
				Direct Deposits for 01/13/19-01/26/19	1012 · Bank of America Gen'l Ckg	30,739.99	
				Payroll Taxes for 01/13/19-01/26/19	1012 · Bank of America Gen'l Ckg	10,010.40	
			ICMA-RC	457(b) EE Deductions for 01/13/19-01/26/19	1012 · Bank of America Gen'l Ckg	5,421.62	
			ICMA-RC	401(a) EE Deductions for 01/13/19-01/26/19	1012 · Bank of America Gen'l Ckg	1,481.89	
TOTAL						47,653.90	
Bill Pmt -Check	01/28/2019	ACH 012819	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg		
Bill	01/01/2019	15477934		Annual Unfunded Accrued Liability Plan 3299	60180 · Employers PERS Expense	5,456.55	
TOTAL						5,456.55	
P 18	Bill Pmt -Check	01/30/2019	21278	ACCENT COMPUTER SOLUTIONS, INC.	126033	1012 · Bank of America Gen'l Ckg	
	Bill	02/01/2019	126033		Monthly service - Feb. 2019	6052.4 · IT Managed Services	3,680.00
					Overwatch - Feb. 2019	6052.5 · IT Data Backup/Storage	699.00
					OmniCloud - Feb. 2019	6052.5 · IT Data Backup/Storage	117.00
					Office 365 subscriptions - Feb. 2019	6052.4 · IT Managed Services	99.60
					Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	827.30
TOTAL						5,422.90	
Bill Pmt -Check	01/30/2019	21279	CENTURYLINK	77145692	1012 · Bank of America Gen'l Ckg		
Bill	01/25/2019	77145692		1/17/19-2/16/19	6053 · Internet Expense	1,062.60	
TOTAL						1,062.60	
Bill Pmt -Check	01/30/2019	21280	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg		
Bill	12/21/2018	L0428810		L0422810	7108.41 · Hydraulic Control - PBHSP	875.00	
Bill	12/21/2018	L0428812		L0428812	7108.41 · Hydraulic Control - PBHSP	175.00	
TOTAL						1,050.00	
Bill Pmt -Check	01/30/2019	21281	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg		
Bill	01/25/2019	90948438900509145		Office fax	6022 · Telephone	146.56	
TOTAL						146.56	
Bill Pmt -Check	01/30/2019	21282	RON SHELLEY'S AUTOMOTIVE	10709	1012 · Bank of America Gen'l Ckg		
Bill	01/23/2019	10709		Maintenance - 2018 Ford F150 pickup	6177 · Vehicle Repairs & Maintenance	68.13	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
January 2019

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							68.13
	Bill Pmt -Check	01/30/2019	21283	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
	Bill	01/25/2019	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	857.37
TOTAL							<u>857.37</u>
	Bill Pmt -Check	01/30/2019	21284	THE HOWARD E. NYHART COMPANY, INC.	0146689	1012 · Bank of America Gen'l Ckg	
	Bill	12/31/2018	0146689		746690.HCADM.GAS2018	6062.5 · Audit Support Services	1,500.00
TOTAL							<u>1,500.00</u>
	Bill Pmt -Check	01/30/2019	21285	VERIZON WIRELESS	9822153212	1012 · Bank of America Gen'l Ckg	
	Bill	01/25/2019	9822153212		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL							<u>100.04</u>
	Bill Pmt -Check	01/30/2019	ACH 013019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	General Journal	01/26/2019	01/26/2019	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 01/13/19-01/26/19	2000 · Accounts Payable	7,444.83
TOTAL							<u>7,444.83</u>
	General Journal	01/31/2019	01/31/2019	Wage Works FSA Direct Debits - Jan. 2019	Wage Works FSA Direct Debits - Jan. 2019	1012 · Bank of America Gen'l Ckg	
					Wage Works FSA Direct Debits - Jan. 2019	1012 · Bank of America Gen'l Ckg	509.60
					Wage Works FSA Direct Debits - Jan. 2019	1012 · Bank of America Gen'l Ckg	509.60
					Wage Works FSA Direct Debits - Jan. 2019	1012 · Bank of America Gen'l Ckg	76.25
TOTAL							<u>1,095.45</u>
						Total Disbursements:	<u><u>539,777.79</u></u>

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 21, 2019
TO: Advisory Committee
SUBJECT: VISA Check Detail Report - Financial Report B2 (January 31, 2019)

SUMMARY

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

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

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

Future Consideration

Advisory Committee – March 21, 2019: Receive and File

Watermaster Board – March 28, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – March 14, 2019: Received and filed

Non-Agricultural Pool – March 14, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – March 14, 2019: Received and filed

Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 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 January 2019 was \$3,428.89. The payment was processed in the amount of \$3,428.89 (by check number 21256 dated January 17, 2019). The monthly charges for January 2019 of \$3,428.89 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
January 2019

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/17/2019	21256	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2018	XXXX-XXXX-XXXX-9341		Parking-Ontario Convention-40th Anniv. event	1550 - Special Event-40th Anniversary	496.34
				Miscellaneous office supplies	6031.7 - Other Office Supplies	253.33
				Toner cartridges	6031.7 - Other Office Supplies	583.66
				2018 staff holiday lunch	6141.3 - Admin Meetings	281.50
				HR COMPackage Software	6054 - Computer Software	293.87
				VMWare - 1 year annual support	6055 - Computer Hardware	63.89
				Staff mtg PK, AN, JJ	6141.3 - Admin Meetings	65.03
				Lunch for OBMP Update meeting	6909.1 - OBMP Meetings	87.97
				Miscellaneous office supplies	6031.7 - Other Office Supplies	38.23
				Miscellaneous office supplies	6031.7 - Other Office Supplies	13.54
				Miscellaneous office supplies	6031.7 - Other Office Supplies	24.31
				SkillPatch - 1 year seminar package	6192 - Seminars - General	881.62
				Photographer - 40th Anniversary event	1550 - Special Event-40th Anniversary	294.86
				PK mtg w/S. Burton	8312 - Meeting Expenses	28.70
				PK mtg w/B. Bowcock	6312 - Meeting Expenses	22.04
					Total Disbursements:	<u>3,428.89</u>

TOTAL

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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: March 21, 2019
TO: Advisory Committee
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through January 31, 2019 - Financial Report B3 (January 31, 2019)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through January 31, 2019.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through January 31, 2019 as presented.

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

Future Consideration

Advisory Committee – March 21, 2019: Receive and File

Watermaster Board – March 28, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – March 14, 2019: Received and filed

Non-Agricultural Pool – March 14, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – March 14, 2019: Received and filed

Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 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 January 31, 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 JANUARY 31, 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	74								74	0
Total Revenues	167,786	-	8,380,860	5,684	392,809	-	-	-	8,947,139	8,887,225
Administrative & Project Expenditures:										
Watermaster Administration	1,170,806								1,170,806	1,337,141
Watermaster Board-Advisory Committee	123,940								123,940	226,519
Ag Pool Misc. Expense - Ag Fund				-					-	400
Pool Administration			89,256	263,900	99,132				452,288	624,643
Optimum Basin Mgmt Administration		949,901							949,901	2,273,267
OBMP Project Costs		3,141,229							3,141,229	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	1,294,747	6,089,232	89,256	263,900	99,132	-	-	-	7,836,266	13,615,365
Net Administrative/OBMP Expenses	(1,126,960)	(6,089,232)								
Allocate Net Admin Expenses To Pools	<u>1,126,960</u>		791,645	293,140	42,175				-	
Allocate Net OBMP Expenses To Pools		4,091,129	2,873,856.69	1,064,166	153,106.71				-	
Allocate Debt Service to App Pool		580,585	580,585						-	
Allocate Basin Recharge to App Pool		<u>1,417,518</u>	1,417,518						-	
Agricultural Expense Transfer*			1,621,206	(1,621,206)					-	
Total Expenses			7,374,066	-	294,414	-	-	-	7,836,266	13,615,365
Net Administrative Income			1,006,794	5,684	98,395	-	-	-	1,110,873	(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)			(57,732)	-	-	768,844	-	-	711,112	0
Net Transfers To/(From) Reserves		1,821,985	949,062	5,684	98,395	768,844	-	-	1,821,985	(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			10,611,039	498,792	179,186	764,311	(20,461)	(443,445)	11,589,422	11,589,422
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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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 21, 2019
TO: Advisory Committee
SUBJECT: Treasurer's Report of Financial Affairs for the Period January 1, 2019 through January 31, 2019 - Financial Report B4 (January 31, 2019)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of January 1, 2019 through January 31, 2019.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period January 1, 2019 through January 31, 2019 as presented.

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

Future Consideration

Advisory Committee – March 21, 2019: Receive and File

Watermaster Board – March 28, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – March 14, 2019: Received and filed

Non-Agricultural Pool – March 14, 2019: Moved unanimously to receive and file, without approval

Agricultural Pool – March 14, 2019: Received and filed

Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 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 January 1, 2019 through January 31, 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
JANUARY 1, 2019 THROUGH JANUARY 31, 2019**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash		\$		500
Bank of America				
Governmental Checking-Demand Deposits	\$	423,973		
Zero Balance Account - Payroll		-		423,973
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				13,140,698
TOTAL CASH IN BANKS AND ON HAND			1/31/2019	\$ 13,566,016
TOTAL CASH IN BANKS AND ON HAND			12/31/2018	14,034,237
PERIOD INCREASE (DECREASE)				\$ (468,221)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:	Accounts Receivable	\$	24,507
	Assessments Receivable		(5,003)
	Prepaid Expenses, Deposits & Other Current Assets		(13,939)
(Decrease)/Increase in Liabilities:	Accounts Payable		191,264
	Accrued Payroll, Payroll Taxes & Other Current Liabilities		15,207
	Long Term Liabilities		3,419
	Transfer to/(from) Reserves		(683,677)
PERIOD INCREASE (DECREASE)			\$ (468,221)

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SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Govt'I Checking Demand	Zero Balance Account Payroll	Trust Account County of San Bernardino	Local Agency Investment Funds	Totals
Balances as of 12/31/2018	\$ 500	\$ 458,279	\$ -	\$ 845	\$ 13,574,613	\$ 14,034,237
Deposits	-	505,471	-	-	41,086	546,557
Transfers	-	(167,689)	(110,944)	-	(475,000)	(753,633)
Withdrawals/Checks	-	(372,089)	110,944	-	-	(261,145)
Balances as of 1/31/2019	\$ 500	\$ 423,973	\$ -	\$ 845	\$ 13,140,698	\$ 13,566,016
PERIOD INCREASE OR (DECREASE)	\$ -	\$ (34,306)	\$ -	\$ -	\$ (433,914)	\$ (468,221)

**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JANUARY 1, 2019 THROUGH JANUARY 31, 2019**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
1/15/2019	Interest		41,086				
1/18/2019	Withdrawal		(475,000)				
TOTAL INVESTMENT TRANSACTIONS			\$ (433,914)	\$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
January 31, 2019**

<u>Financial Institution</u>	<u>Principal Amount</u>	<u>Number of Days</u>	<u>Interest Rate</u>	<u>Maturity Date</u>
Local Agency Investment Fund	\$ 13,140,698			
TOTAL INVESTMENTS	\$ 13,140,698			

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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



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 21, 2019
TO: Advisory Committee
SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through January 31, 2019 -
Financial Report B5 (January 31, 2019)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2018 through January 31, 2019.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2018 through January 31, 2019 as presented.

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

Future Consideration

Advisory Committee – March 21, 2019: Receive and File

Watermaster Board – March 28, 2019: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – March 14, 2019: Received and filed

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Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 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 January 31, 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 – JANUARY 2019

Year-To-Date (YTD) for the seven months ending January 31, 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 \$45,970 or 7.3% 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 \$195,575 or 210.5% 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 \$7,961 or 9.8% as a result of increased legal activities by the Appropriative Pool attorney for the months of July 2018 through January 2019; (5) Agricultural Pool Legal Services (8467's) over budget by \$96,433 or 80.6% as a result of increased legal activities performed by the Agricultural Pool's attorney during the months of July 2018 through January 2019; and (6) Non-Agricultural Pool Administration expenses (8500's) over budget by \$15,481 or 18.5% as a result of increased legal activities performed by the Non-Agricultural Pool's attorney during the months of July 2018 through January 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.

Overall, the Watermaster (YTD) Actual Expenses were \$2,665,547 or 25.4% below the (YTD) Budgeted Expenses of \$10,501,813.

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

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

SALARIES EXPENSE

CURRENT MONTH – JANUARY 2019

As of January 31, 2019, the total (YTD) Watermaster salary expenses were \$77,278 or 6.8% below the (YTD) budgeted amount of \$1,141,931. 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 January 31, 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 - Jan '19 Actual	Jul '18 - Jan '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
WM Salary Expense					
6011 · WM Staff Salaries	667,896.47	588,256.00	79,640.47	113.54%	993,161.00
6011.1 · WM Staff Salaries - Overtime	8,395.43	0.00	8,395.43	100.0%	0.00
6011.4 · 457(f) NQDC Plan	10,755.96	20,986.00	-10,230.04	51.25%	37,034.00
6017 · Temporary Services	0.00	12,250.00	-12,250.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	14,763.64	14,962.00	-198.36	98.67%	25,259.00
6301 · Watermaster Board - WM Staff Salaries	22,534.70	23,943.00	-1,408.30	94.12%	40,422.00
8301 · Appropriative Pool - WM Staff Salaries	24,124.12	22,257.00	1,867.12	108.39%	37,577.00
8401 · Agricultural Pool - WM Staff Salaries	12,746.14	18,853.00	-6,106.86	67.61%	31,829.00
8501 · Non-Agricultural Pool - WM Staff Salaries	9,891.92	12,860.00	-2,968.08	76.92%	21,712.00
6901 · OBMP - WM Staff Salaries	39,333.73	83,474.00	-44,140.27	47.12%	140,931.00
7101.1 · Production Monitor - WM Staff Salaries	37,956.95	37,964.00	-7.05	99.98%	64,095.00
7102.1 · In-line Meter - WM Staff Salaries	0.00	11,051.00	-11,051.00	0.0%	18,657.00
7103.1 · Grdwater Quality - WM Staff Salaries	17,366.35	42,531.00	-25,164.65	40.83%	71,806.00
7104.1 · Grdwater Level - WM Staff Salaries	37,688.05	37,596.00	92.05	100.25%	63,475.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	2,304.17	3,133.00	-828.83	73.55%	5,290.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	2,378.00	-2,378.00	0.0%	4,015.00
7108.11 · Prado Basin - WM Staff Salaries	0.00	3,239.00	-3,239.00	0.0%	5,466.00
7201 · Comp Recharge - WM Staff Salaries	32,966.98	34,641.00	-1,674.02	95.17%	58,482.00
7301 · PE3&5 - WM Staff Salaries	1,474.40	9,580.00	-8,105.60	15.39%	16,174.00
7401 · PE4 - WM Staff Salaries	12,263.95	5,875.00	6,388.95	208.75%	9,919.00
7501 · PE6&7 - WM Staff Salaries	737.19	3,310.00	-2,572.81	22.27%	5,588.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	2,916.00	-2,916.00	0.0%	4,925.00
7601 · PE8&9 - WM Staff Salaries	4,978.26	12,646.00	-7,667.74	39.37%	21,350.00
Subtotal WM Staff Costs	958,178.41	1,004,701.00	-46,522.59	95.37%	1,698,167.00
60185 · Vacation	45,898.95	45,648.00	250.95	100.55%	77,067.00
60186 · Sick Leave	12,891.41	32,373.00	-19,481.59	39.82%	54,656.00
60187 · Holidays	47,683.79	59,209.00	-11,525.21	80.54%	68,319.00
Subtotal WM Paid Leaves	106,474.15	137,230.00	-30,755.85	77.59%	200,042.00
Total WM Salary Costs	1,064,652.56	1,141,931.00	-77,278.44	93.23%	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 – JANUARY 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 January 31, 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 \$103,960 or 19.0% above the (YTD) budgeted amount of \$547,898.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of January 31, 2019, was \$195,575 or 214.9% above the budgeted amount of \$91,009. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$37,537 or 147.3%; Personnel Matters (6073) which were over budget by \$23,171 or 401.2%; Party Status Maintenance (6077) which were over budget by \$10,360 or 97.9%; and the Miscellaneous Category (6078) which were over budget by \$151,612 or 687.6%. 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 \$6,315 or 100.0%; and Interagency Issues (6074) under budget by \$20,790 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 January 31, 2019 was \$6,973 or 7.1% below the budgeted amount of \$98,550. 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 January 31, 2019, the category of OBMP legal expenses were \$84,642 or 23.6% below the budgeted amount of \$358,339. The majority of expenses within this OBMP category were under budget (YTD), however, the Recharge Master Plan expenses (6907.39) were over budget by \$11,913 or 43.1%; and Safe Yield Recalculation legal expenses (6907.42) were over budget by \$109,379 or 164.5%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of January 31, 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 - Jan '19 Actual	Jul '18 - Jan '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	63,027.63	25,491.00	37,536.63	247.25%	43,700.00
6072 · BHFS Legal - Rules & Regulations	0.00	6,315.00	-6,315.00	0.0%	10,825.00
6073 · BHFS Legal - Personnel Matters	28,946.03	5,775.00	23,171.03	501.23%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	20,790.00	-20,790.00	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	20,948.37	10,588.00	10,360.37	197.85%	18,150.00
6078 · BHFS Legal - Miscellaneous (Note 1)	173,661.70	22,050.00	151,611.70	787.58%	37,800.00
Total 6070 · Watermaster Legal Services	286,583.73	91,009.00	195,574.73	314.9%	156,015.00
6275 · BHFS Legal - Advisory Committee	12,289.30	11,880.00	409.30	103.45%	21,780.00
6375 · BHFS Legal - Board Meeting	48,227.10	42,120.00	6,107.10	114.5%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	0.00	0.00	0.00	0.0%	12,038.00
8375 · BHFS Legal - Appropriative Pool	10,881.31	14,850.00	-3,968.69	73.28%	27,225.00
8475 · BHFS Legal - Agricultural Pool	10,171.39	14,850.00	-4,678.61	68.49%	27,225.00
8575 · BHFS Legal - Non-Ag Pool	10,008.32	14,850.00	-4,841.68	67.4%	27,225.00
Total BHFS Legal Services	91,577.42	98,550.00	-6,972.58	92.93%	192,713.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	7,655.00	-7,655.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	7,655.00	-2,889.77	62.25%	13,125.00
6907.33 · Desalter/Hydraulic Control	228.73	13,780.00	-13,551.27	1.66%	23,625.00
6907.34 · Santa Ana River Water Rights	7,707.48	9,495.00	-1,787.52	81.17%	16,275.00
6907.36 · Santa Ana River Habitat	4,187.27	25,260.00	-21,072.73	16.58%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	9,187.00	-8,974.60	2.31%	15,750.00
6907.39 · Recharge Master Plan	39,563.45	27,650.00	11,913.45	143.09%	47,400.00
6907.40 · Storage Agreements	19,055.58	53,900.00	-34,844.42	35.35%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	352.35	9,480.00	-9,127.65	3.72%	16,250.00
6907.42 · Safe Yield Recalculation	175,879.06	66,500.00	109,379.06	264.48%	114,000.00
6907.44 · SGMA Compliance	9,982.64	46,025.00	-36,042.36	21.69%	78,900.00
6907.45 · OBMP Update	11,762.60	63,115.00	-51,352.40	18.64%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	18,637.00	-18,637.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	273,696.79	358,339.00	-84,642.21	76.38%	614,300.00
Total Brownstein, Hyatt, Farber, Schreck Costs	651,857.94	547,898.00	103,959.94	118.97%	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; and (25) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – JANUARY 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 seven months ending January 31, 2019, the actual expenses of \$928,116 were below the budgeted amount of \$1,259,830 by \$331,714 or 26.3%. For a detailed discussion, the following is

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provided.

For January 31, 2019, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$44,461 or 49.3%. 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 \$44,140 or 52.9%. 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 January 31, 2019.

For January 31, 2019, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$201,304 or 25.0%. 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 \$7,501 or 22.0%; the Integrated Model Meetings-IEUA Costs (6906.15) which were over budget by \$1,533 or 13.2%; the Water Rights Compliance Reporting expenses (6906.22) which were over budget by \$1,453 or 9.7%; the OBMP-Data Requests-CBWM Staff expenses (6906.71) which were over budget by \$3,008 or 5.2%; the OBMP-Data Requests-Non CBWM Staff expenses (6906.72) which were over budget by \$5,106 or 27.1%; the County Extraction Well-Modeling expenses (6909.76) which were over budget by \$40,829 or 100%; the Prepare Annual Reports expenses (6906.81) which were over budget by \$1,489 or 13.1%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$25,364 or 80.0%.

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 \$121,292 while some other line item activities were below the budget by \$205,934. Above the budget line item were the Recharge Master Plan expenses of \$11,913; and the Safe Yield Recalculation expenses of \$109,379. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$7,655; the Chino Airport Plume of \$2,890; the Desalter/Hydraulic Control of \$13,551; the Santa Ana River Water Rights of \$1,787; the Santa Ana River Habitat of \$21,073; the Regional Water Quality Control Board of \$8,975; Storage Agreements of \$34,844; the Prado Basin Habitat Sustainability of \$9,128; SGMA Compliance of \$36,042; OBMP Update of \$51,352; and the WM Unanticipated legal expenses of \$18,637. For the seven months ended January 31, 2019, the overall cumulative (YTD) budget was \$358,339 and the actual (BHFS) legal expenses totaled \$273,697 which resulted in an under-budget variance of \$84,642 or 23.6%.

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 January 31, 2019, this category of expenses was \$1,307 or 26.4% below the budgeted amount of \$4,955.

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 Sevaime 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 January 31, 2019, this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$928,116 compared to a (YTD) budget of \$1,259,830 for an under budget of \$331,714 or 26.3% as of January 31, 2019.

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The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of January 31, 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 - Jan '19 Actual	Jul '18 - Jan '19 Budget	\$ Over Budget	% of Budget	FY 2018/19 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	39,333.73	83,474.00	-44,140.27	47.12%	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	45,754.73	90,216.00	-44,461.27	50.72%	147,673.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	41,649.70	34,149.00	7,500.70	121.97%	58,544.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	13,178.23	11,645.00	1,533.23	113.17%	19,960.00
6906.21 · State of the Basin Report	75,211.80	92,412.00	-17,200.20	81.39%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	14,962.00	1,453.35	109.71%	25,650.00
6906.23 · SGMA Reporting Requirements	3,661.10	7,875.00	-4,213.90	46.49%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	365.10	4,722.00	-4,356.90	7.73%	8,092.00
6906.26 · 2019 OBMP Update	72,790.48	92,676.00	-19,885.52	78.54%	158,872.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	602.20	10,390.00	-9,787.80	5.8%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	13,097.00	-13,097.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	48,896.24	57,144.00	-8,247.76	85.57%	97,962.00
6906.32 · OBMP - Other General Meetings	31,912.21	47,303.00	-15,390.79	67.46%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	61,367.04	58,359.00	3,008.04	105.15%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	23,973.63	18,868.00	5,105.63	127.06%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	90,444.05	237,349.00	-146,904.95	38.11%	406,884.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	1,881.40	41,982.00	-40,100.60	4.48%	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	11,373.00	1,489.20	113.09%	19,498.00
6906.9 · OBMP - 2018 RMPU Master Update	57,094.63	31,731.00	25,363.63	179.93%	54,396.00
6906 · OBMP Engineering Services - Other	11,881.30	20,283.00	-8,401.70	58.58%	34,768.00
Total 6906 · OBMP Engineering Services	605,016.10	806,320.00	-201,303.90	75.03%	1,382,262.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	7,655.00	-7,655.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	4,765.23	7,655.00	-2,889.77	62.25%	13,125.00
6907.33 · Desalter/Hydraulic Control	228.73	13,780.00	-13,551.27	1.66%	23,625.00
6907.34 · Santa Ana River Water Rights	7,707.48	9,495.00	-1,787.52	81.17%	16,275.00
6907.36 · Santa Ana River Habitat	4,187.27	25,260.00	-21,072.73	16.58%	43,300.00
6907.38 · Reg. Water Quality Cntrl Board	212.40	9,187.00	-8,974.60	2.31%	15,750.00
6907.39 · Recharge Master Plan	39,563.45	27,650.00	11,913.45	143.09%	47,400.00
6907.40 · Storage Agreements	19,055.58	53,900.00	-34,844.42	35.35%	92,400.00
6907.41 · Prado Basin Habitat Sustainability	352.35	9,480.00	-9,127.65	3.72%	16,250.00
6907.42 · Safe Yield Recalculation	175,879.06	66,500.00	109,379.06	264.48%	114,000.00
6907.44 · SGMA Compliance	9,982.64	46,025.00	-36,042.36	21.69%	78,900.00
6907.45 · OBMP Update	11,762.60	63,115.00	-51,352.40	18.64%	108,200.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	18,637.00	-18,637.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	273,696.79	358,339.00	-84,642.21	76.38%	614,300.00
Total 6907 · OBMP Legal Fees	273,696.79	358,339.00	-84,642.21	76.38%	614,300.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	2,236.19	875.00	1,361.19	255.57%	1,500.00
6909.3 · Other OBMP Expenses	1,391.00	1,165.00	226.00	119.4%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	2,915.00	-2,915.00	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	3,647.92	4,955.00	-1,307.08	73.62%	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	928,115.54	1,259,830.00	-331,714.46	73.67%	2,152,735.00

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PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

CURRENT MONTH – JANUARY 2019

As of January 31, 2019, the total (YTD) Engineering Services expenses were \$534,852 or 15.8% below the (YTD) budget amount of \$3,374,792. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of January 31, 2019, with the exception of the Groundwater Quality-Engineering expenses (7103.3) which were over budget by \$3,814 or 3.1%; and the PE4-MZ1 Pomona Project expenses (7402.10) which were over budget by \$1,458 or 0.08%.

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 January 31, 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 - Jan '19	Jul '18 - Jan '19			FY 2018/19
	Actual	Budget	\$ Over Budget	% of Budget	Annual Budget
6906 · OBMP Engineering Services - Other	11,881.30	20,283.00	-8,401.70	58.58%	34,768.00
6906.1 · OBMP - Watermaster Model Update	41,649.70	34,149.00	7,500.70	121.97%	58,544.00
6906.15 · Integrated Model Mtgs-IEUA Cost	13,178.23	11,645.00	1,533.23	113.17%	19,960.00
6906.21 · State of the Basin Report	75,211.80	92,412.00	-17,200.20	81.39%	158,422.00
6906.22 · Water Rights Compliance Reporting	16,415.35	14,962.00	1,453.35	109.71%	25,650.00
6906.23 · SGMA Reporting Requirements	3,661.10	7,875.00	-4,213.90	46.49%	13,500.00
6906.24 · Compliance - SB88 and SWRCB	365.10	4,722.00	-4,356.90	7.73%	8,092.00
6906.26 · 2019 OBMP Update	72,790.48	92,676.00	-19,885.52	78.54%	158,872.00
6906.27 · HCP Meetings/Technical Review-IEUA Cost	602.20	10,390.00	-9,787.80	5.8%	17,810.00
6906.28 · Agriculture Prod. & Estimation	0.00	13,097.00	-13,097.00	0.0%	22,452.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	48,896.24	57,144.00	-8,247.76	85.57%	97,962.00
6906.32 · OBMP - Other General Meetings	31,912.21	47,303.00	-15,390.79	67.46%	81,093.00
6906.71 · OBMP - Data Requests - CBWM Staff	61,367.04	58,359.00	3,008.04	105.15%	100,044.00
6906.72 · OBMP - Data Requests - Non CBWM	23,973.63	18,868.00	5,105.63	127.06%	32,348.00
6906.73 · OBMP - Safe Yield Recalculation	90,444.05	237,349.00	-146,904.95	38.11%	406,884.00
6906.74 · OBMP - Mat'l Physical Injury Requests	1,881.40	41,982.00	-40,100.60	4.48%	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	11,373.00	1,489.20	113.09%	19,498.00
6906.90 · OBMP - 2018 RMPU Master Update	57,094.63	31,730.00	25,364.63	179.94%	54,396.00
7103.3 · Grdwtr Qual-Engineering	127,538.66	123,725.00	3,813.66	103.08%	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	112,411.17	140,192.00	-27,780.83	80.18%	240,328.00
7104.8 · Grdwtr Level-Contracted Services	0.00	5,835.00	-5,835.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	4,665.00	-4,665.00	0.0%	8,000.00
7107.2 · Grd Level-Engineering	26,895.68	67,651.00	-40,755.32	39.76%	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	9,370.71	62,437.00	-53,066.29	15.01%	92,227.00
7107.8 · Grd Level-Capital Equipment	0.00	7,402.00	-7,402.00	0.0%	12,692.00
7108.31 · Hydraulic Control-PBHSP	24,291.93	45,009.00	-20,717.07	53.97%	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	5,835.00	-5,835.00	0.0%	10,000.00
7109.3 · Recharge & Well - Engineering	3,182.40	14,728.00	-11,545.60	0.0%	25,248.00
7202.2 · Comp Recharge-Engineering Services	18,056.80	53,455.00	-35,398.20	33.78%	91,640.00
7303 · PE3&5-Engineering - Other	0.00	5,695.00	-5,695.00	0.0%	9,760.00
7402 · PE4-Engineering	75,316.74	76,198.00	-881.26	98.84%	104,910.00
7402.10 · PE4-MZ1 Pomona Project	1,632,734.54	1,631,277.00	1,457.54	100.09%	1,703,417.00
7403 · PE4-Contract Svcs	0.00	5,835.00	-5,835.00	0.0%	10,000.00
7502 · PE6&7-Engineering	31,205.20	51,282.00	-20,076.80	60.85%	87,912.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	21,336.66	70,948.00	-49,611.34	30.07%	108,178.00
7602 · PE8&9-Engineering	93,910.61	98,188.00	-4,277.39	95.64%	105,348.00
Total Engineering Services Costs	2,839,940.20	3,374,792.00	-534,851.80	84.15%	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
6906	OBMP Engineering	\$ 507,374	\$ 507,374	\$ 36,022	\$ 29,590	\$ 24,251	\$ 58,101	\$ 33,162	\$ 21,264	\$ 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	14,789	3,721	11,021	25,600
6906.73	2020 Safe Yield Recalculation	406,884	406,884	-	21,661	16,166	7,098	6,831	13,844	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	2,350	2,647	7,114	4,296	4,090	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	24,793	27,251	34,550	6,868	5,164	11,825
7103.5	GW and SW Quality - Laboratory Services	62,894	62,894	1,624	18,212	11,761	11,136	848	1,050	2,132
7104.3	GW Level - Engineering Services	240,328	240,328	8,399	12,464	22,193	18,801	16,488	16,432	14,860
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	4,488	3,593	2,692	7,691	3,144	1,791	10,676
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	172	85	500
7108.31	IEUA - Prado Basin Habitat Monitoring	77,159	77,159	-	184	921	3,507	3,808	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	-	1,448	-	-	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	-	-	-	-	-	-	813
7402	OBMP - Engineering Services - MZ1	104,910	104,910	24,825	22,200	17,059	3,362	1,366	612	5,596
7402.1	OBMP - Engineering Services - Northwest MZ1	173,138	1,703,417	1,620	5,160	19,923	16,093	7,826	11,509	432,552
7403	OBMP - Contract Services - MZ1	10,000	10,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WOC	87,912	87,912	656	1,416	15,950	10,557	2,146	-	4,722
7510	IEUA - Update Recycled Water Permit - Salinity	89,353	108,178	-	-	3,751	21,792	34,136	4,482	45,000
7602	Storage Management/Conjunctive Use	105,348	105,348	49,881	18,396	25,634	-	-	-	-
Totals		\$ 2,929,798	\$ 4,624,461	\$ 199,728	\$ 199,943	\$ 216,630	\$ 240,881	\$ 175,954	\$ 138,652	\$ 712,621

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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
6906	OBMP Engineering	\$ 45,225	\$ 46,625	\$ 39,229	\$ 35,029	\$ 35,029	\$ 465,705	\$ 465,705	\$ 41,669	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	-	-	-	-	-	57,095	57,095	(2,699)	105%	105%
6906.26	2019 OBMP Update	25,600	25,600	25,600	25,600	21,600	184,886	184,886	(26,014)	4%	116%
6906.73	2020 Safe Yield Recalculation	65,637	65,637	65,637	65,637	65,637	406,884	406,884	-	9%	100%
6906.21	State of the Basin Report	22,000	19,000	13,000	20,000	11,000	158,811	158,811	(388)	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	8,594	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	23,788	14,052	25,121	24,668	227,179	227,179	13,149	18%	95%
7104.8	GW Level - Contract Services	-	-	-	5,000	-	5,000	5,000	5,000	0%	50%
7104.9	GW Level - Capital Services	-	-	-	6,000	-	12,565	12,565	(4,595)	12%	167%
7107.2	Ground Level - Engineering Services	9,176	8,976	13,856	8,300	8,373	62,754	62,754	13,857	11%	86%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	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	500	500	500	500	500	3,427	3,427	9,265	0%	27%
7108.31	IEUA - Prado Basin Habitat Monitoring	39,004	34,560	20,600	12,000	7,656	155,239	77,620	(461)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	10,000	-	-	18,933	9,466	534	69%	95%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,000	6,000	6,000	4,000	-	20,182	20,182	5,066	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	4,880	4,880	4,880	0%	50%
7402	OBMP - Engineering Services - MZ1	5,000	6,550	5,500	6,000	6,500	104,572	104,572	338	61%	100%
7402.1	OBMP - Engineering Services - Northwest MZ1	399,566	342,632	351,117	63,120	87,500	1,738,617	1,738,617	(35,200)	2%	102%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	10,000	-	-	0%	0%
7502	OBMP - Engineering Services - WOC	10,355	21,360	8,930	5,705	5,000	87,038	87,038	874	2%	99%
7510	IEUA - Update Recycled Water Permit - Salinity	45,000	45,000	45,000	45,000	38,651	327,811	108,178	-	31%	100%
7602	Storage Management/Conjunctive Use	-	-	-	-	-	93,911	93,911	11,437	69%	89%
Totals		\$ 755,816	\$ 760,940	\$ 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.

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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	24,763	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	18,894	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	-	1,000	-	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	1,000	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	24,826	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 - WOC	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 / (Overs) 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	5,825	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	5,879	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	7,800	10,276	90,809	90,809	5,802	11%	94%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	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	155,202	77,601	(442)	1%	101%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	18,933	9,456	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 - WOC	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_ISBM_1st Ctr 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:

- 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.
- 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

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

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 - Jan. 2019	\$ 48,583.85	\$ (24,291.93)	\$ -	\$ 24,291.93
Totals	\$ 48,583.85	\$ (24,291.93)	\$ -	\$ 24,291.93
	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 January 31, 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 – JANUARY 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

As of January 31, 2019, the total (YTD) amount remaining of the "Carried Over" funding is \$1,680,367.82 (\$4,728,140.07 - \$3,047,772.25 = \$1,680,367.82).

The following details are provided:

"Carried Over" Expenses At June 30, 2018

			<u>GL Account</u>		
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
Junupa 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 Declez 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	\$	(46,957.95)	B	7107.63	
Ground Level - Engineering Services	\$	(24,822.00)	C	7107.2 ²	
Ground Level - Contract Services	\$	(9,370.71)	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 January 31, 2019	\$	1,680,367.82			

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 January 31, 2019

Blomquist Report - Update	\$	7,500.00	A	6061.6	FY 2017/18	ADMIN
Grd Level - MVWD SCADA Reimbursement	\$	10,088.30	B	7107.63	FY 2017/18	ADMIN
Ground Level - Engineering Services	\$	-	C	7107.2 ²	FY 2017/18	ENG
Ground Level - Contract Services	\$	11,356.29	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 Declez 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 January 31, 2019	\$	1,680,367.82				

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 – 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.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

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				7/12th (58.33%) of the Total Budget				100% of the Total Budget			
	For The Month of January 2019				Year-To-Date as of January 31, 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	35,000.00	35,000.00	0.00	100.0%	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	22.83	0.00	22.83	100.0%	88,654.97	31,986.00	56,668.97	277.17%	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	35,022.83	35,000.00	22.83	100.07%	8,947,139.46	8,890,243.00	56,896.46	100.64%	9,051,639.46	8,922,225.00	129,414.46	101.45%
Gross Profit	35,022.83	35,000.00	22.83	100.07%	8,947,139.46	8,890,243.00	56,896.46	100.64%	9,051,639.46	8,922,225.00	129,414.46	101.45%
Expense												
6010 · Admin. Salary/Benefit Costs	88,047.37	92,951.00	-4,903.63	94.73%	674,085.91	628,116.00	45,969.91	107.32%	1,097,759.58	1,062,695.00	35,064.58	103.3%
6020 · Office Building Expense	9,326.59	10,208.00	-881.41	91.37%	62,828.25	66,484.00	-3,655.75	94.5%	111,378.08	112,399.00	-1,020.92	99.09%
6030 · Office Supplies & Equip.	3,114.88	1,450.00	1,664.88	214.82%	17,837.70	29,550.00	-11,712.30	60.36%	36,114.00	38,500.00	-2,386.00	93.8%
6040 · Postage & Printing Costs	3,063.53	6,118.00	-3,054.47	50.07%	21,594.77	25,713.00	-4,118.23	83.98%	45,692.38	47,142.00	-1,449.62	96.93%
6050 · Information Services	12,207.69	11,678.00	529.69	104.54%	97,595.14	103,416.00	-5,820.86	94.37%	162,154.24	163,656.00	-1,501.76	99.08%
6060 · Contract Services	3,634.88	3,500.00	134.88	103.85%	31,615.71	43,925.00	-12,309.29	71.98%	44,085.42	45,125.00	-1,039.58	97.7%
6070 · Watermaster Legal Services	59,107.54	13,001.00	46,106.54	454.64%	286,583.73	91,009.00	195,574.73	314.9%	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	15,392.50	14,748.00	644.50	104.37%	30,014.00	30,695.00	-681.00	97.78%	34,414.50	34,590.00	-175.50	99.49%
6140 · WM Admin Expenses	365.56	50.00	315.56	731.12%	1,546.38	1,600.00	-53.62	96.65%	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	1,925.41	1,950.00	-24.59	98.74%	11,431.90	13,785.00	-2,353.10	82.93%	22,442.09	24,170.00	-1,727.91	92.85%
6190 · Training, Conferences, Seminars	6,059.17	4,365.00	1,694.17	138.81%	21,606.68	22,932.00	-1,325.32	94.22%	36,870.89	37,857.00	-986.11	97.4%
6200 · Advisory Comm - WM Board	8,732.58	4,257.00	4,475.58	205.14%	27,065.30	27,134.00	-68.70	99.75%	44,982.36	47,539.00	-2,556.64	94.62%
6300 · Watermaster Board Expenses	22,776.27	16,096.00	6,680.27	141.5%	96,874.88	97,013.00	-138.12	99.86%	171,971.96	178,980.00	-7,008.04	96.08%
8300 · Appr PI-WM & Pool Admin	15,646.90	12,112.00	3,534.90	129.19%	89,255.79	81,295.00	7,960.79	109.79%	155,798.92	140,552.00	15,246.92	110.85%
8400 · Agri Pool-WM & Pool Admin	5,183.29	5,541.00	-357.71	93.54%	24,390.56	35,453.00	-11,062.44	68.8%	57,986.73	62,054.00	-4,067.27	93.45%
8467 · Ag Legal & Technical Services	43,650.00	17,084.00	26,566.00	255.5%	216,016.73	119,584.00	96,432.73	180.64%	370,314.39	205,000.00	165,314.39	180.64%
8470 · Ag Meeting Attend -Special	2,300.00	1,850.00	450.00	124.32%	9,475.00	12,950.00	-3,475.00	73.17%	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	12,125.99	12,387.00	-261.01	97.89%	99,131.93	83,651.00	15,480.93	118.51%	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	-27,333.50	-34,935.00	7,601.50	78.24%	-122,856.70	-244,547.00	121,690.30	50.24%	-251,077.61	-419,223.00	168,145.39	59.89%
6900 · Optimum Basin Mgmt Plan	226,578.13	179,554.00	47,024.13	126.19%	928,115.54	1,259,830.00	-331,714.46	73.67%	2,123,536.99	2,152,735.00	-29,198.01	98.64%
9501 · G&A Expenses Allocated-OBMP	5,328.14	10,044.00	-4,715.86	53.05%	21,785.04	70,312.00	-48,526.96	30.98%	58,747.39	120,532.00	-61,784.61	48.74%
7101 · Production Monitoring	11,096.36	5,735.00	5,361.36	193.49%	38,394.45	38,419.00	-24.55	99.94%	55,618.62	64,875.00	-9,256.38	85.73%
7102 · In-line Meter Installation	0.00	31,772.00	-31,772.00	0.0%	0.00	221,894.00	-221,894.00	0.0%	0.00	380,107.00	-380,107.00	0.0%
7103 · Grdwtr Quality Monitoring	12,830.14	22,861.00	-9,830.86	56.62%	189,353.11	213,511.00	-24,157.89	88.69%	374,510.24	324,329.00	50,181.24	115.47%
7104 · Gdwtr Level Monitoring	15,641.35	28,122.00	-12,480.65	55.62%	156,261.79	195,141.00	-38,879.21	80.08%	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	3,069.22	19,602.00	-16,532.78	15.66%	97,528.51	282,169.25	-184,640.74	34.56%	370,014.28	424,094.25	-54,079.97	87.25%

	1/12th (8.33%) of the Total Budget				7/12th (58.33%) of the Total Budget				100% of the Total Budget			
	For The Month of January 2019				Year-To-Date as of January 31, 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	11,198.15	10,362.00	836.15	108.07%	32,489.93	73,257.00	-40,767.07	44.35%	85,663.34	120,704.00	-35,040.66	70.97%
7109 · Recharge & Well Monitoring Prog	0.00	2,104.00	-2,104.00	0.0%	3,182.40	14,728.00	-11,545.60	21.61%	19,345.20	25,248.00	-5,902.80	76.62%
7200 · PE2- Comp Recharge Pgm	12,247.70	306,556.00	-294,308.30	4.0%	648,988.93	977,997.00	-329,008.07	66.36%	1,358,003.68	1,334,437.00	23,566.68	101.77%
7300 · PE3&5-Water Supply/Desalte	0.00	2,827.00	-2,827.00	0.0%	1,474.40	19,360.00	-17,885.60	7.62%	29,423.20	32,934.00	-3,510.80	89.34%
7400 · PE4- Mgmt Plan	112,934.73	40,089.00	72,845.73	281.71%	1,720,315.23	1,720,643.00	-327.77	99.98%	1,828,246.00	1,830,746.00	-2,500.00	99.86%
7500 · PE6&7-CoopEfforts/SaltMgmt	443.51	15,701.00	-15,257.49	2.83%	53,279.25	128,456.00	-75,176.75	41.48%	196,626.25	206,603.00	-9,976.75	95.17%
7600 · PE8&9-StorageMgmt/Conj Use	0.00	3,250.00	-3,250.00	0.0%	98,888.87	111,039.00	-12,150.13	89.06%	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	41.00	-41.00	0.0%	0.00	292.00	-292.00	0.0%	450.00	500.00	-50.00	90.0%
9502 · G&A Expenses Allocated-Projects	22,005.36	24,891.00	-2,885.64	88.41%	101,071.66	174,236.00	-73,164.34	58.01%	192,330.22	298,691.00	-106,360.78	64.39%
Total Expense	718,699.44	897,722.00	-179,022.56	80.06%	7,836,266.26	10,500,882.07	-2,664,615.81	74.63%	13,529,708.29	13,650,365.07	-120,656.78	99.12%
Net Ordinary Income	-683,676.61	-862,722.00	179,045.39	79.25%	1,110,873.20	-1,610,639.07	2,721,512.27	-68.97%	-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	-683,676.61	-862,722.00	179,045.39	79.25%	1,821,985.39	-1,610,639.07	3,432,624.46	-113.12%	-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. OBMP SEMI-ANNUAL STATUS REPORT 2018-2



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 21, 2019
TO: Advisory Committee
SUBJECT: OBMP Semi-Annual Status Report 2018-2 (Consent Calendar Item I.C.)

SUMMARY

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

Recommendation: Recommend to the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2018-2, along with filing a copy with the Court, subject to any necessary non-substantive changes.

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

Future Consideration

Advisory Committee – March 21, 2019: Advice and assistance
Watermaster Board – March 28, 2019: Approval [Discretionary Function]

ACTIONS:

Appropriative Pool – March 14, 2019: Unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve and file with the Court

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

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

Advisory Committee – March 21, 2019:
Watermaster Board – March 28, 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

OBMP Semi-Annual Status Report 2018-2 covers the period from July to December 2018. The report describes work conducted, and the current status of the nine Program Elements of the Optimum Basin Management Program during the six-month period.

DISCUSSION

OBMP Semi-Annual Status Report 2018-2 has been drafted. Once adopted by the Board, the OBMP Semi-Annual Status Report will be filed with the Court.

The item was presented to the three Pools and two typographical corrections were made, one on page 4 and one on page 12. The three Pools unanimously recommended Advisory Committee to recommend to the Watermaster Board to approve the OBMP Semi-Annual Status Report 2018-2 and filing it with the Court.

ATTACHMENTS

1. OBMP Semi-Annual Status Report 2018-2

Optimum Basin Management Program

Staff Status Report 2018-2: July to December 2018



CHINO BASIN WATERMASTER

Optimum Basin Management Program

Highlighted Activities

- During this reporting period, Watermaster manually measured 420 water levels at about 70 private wells throughout the Chino Basin, conducted two quarterly download events at about 145 wells containing pressure transducers, collected 48 groundwater quality samples from 40 dedicated monitoring wells, collected groundwater quality samples from 25 private wells, and collected eight surface water quality samples.
- Pursuant to a monitoring and mitigation requirement of the Peace II Subsequent Environmental Impact Report, Watermaster, the Inland Empire Utilities Agency (IEUA), and the Orange County Water District (OCWD) continued to implement the Prado Basin Habitat Sustainability Program (PBHSP). During this reporting period, Watermaster collected two quarters of surface water and groundwater quality sampling at two PBHSP monitoring well locations, and conducted two quarterly downloads of pressure transducers that measure water levels at the 18 PBHSP monitoring wells. A custom high-resolution air photo was collected on the entire Prado Basin region.
- Pursuant to the *Chino Basin Subsidence Management Plan*, Watermaster continued to implement the Ground-Level Monitoring Program and prepared the final draft of the *2017/18 Annual Report of the Ground-Level Monitoring Committee*, which analyzes and interprets data from the monitoring program and recommends future monitoring and testing activities. Watermaster also continued to execute the “proof of concept” to test the sonar water level measuring technique for the Ground-Level Monitoring Program, and started well drilling activities for the new Pomona Extensometer Facility.
- Watermaster and the IEUA are continuing to implement the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2013 Court Order authorizing its implementation. During the reporting period, the San Sevaine Basin improvements and the Victoria Basin improvements were completed and the 95 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects.
- During this reporting period, Watermaster and the IEUA recharged a total of 9,871 acre-feet of water: 2,708 acre-feet of stormwater, 6,820 acre-feet of recycled water, and 343 acre-feet of imported water.
- Watermaster staff continued to investigate and assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential storage and recovery plans. Watermaster updated its modeling tools and planning projections, and completed an assessment of material physical injury (MPI) for the use of Managed Storage. During this reporting period Watermaster completed a report (Storage Framework) that evaluates the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet.
- Watermaster's consultant has begun the technical work necessary for the Safe Yield recalculation for 2020 pursuant to the OBMP Implementation Plan. This recalculation will incorporate the impacts of projected climate changes and land subsidence. The schedule calls for calibration of the updated Watermaster groundwater flow model for Chino basin by June 2019 and the recalculation of Safe Yield by January 2020.

Important Court Hearings and Orders

- AUGUST 24, 2018—HEARING RE WATERMASTER'S MOTION FOR COURT TO RECEIVE AND FILE WATERMASTER'S 40TH ANNUAL REPORT
- AUGUST 24, 2018—ORDER RE WATERMASTER'S MOTION FOR COURT TO RECEIVE AND FILE WATERMASTER'S 40TH ANNUAL REPORT
- DECEMBER 5, 2018—HEARING RE EX PARTE APPLICATION TO SPECIALLY SET A HEARING AND BRIEFING SCHEDULE
- DECEMBER 28, 2018—ORDER RE EX PARTE APPLICATION TO SPECIALLY SET A HEARING AND BRIEFING SCHEDULE
- DECEMBER 28, 2018—HEARING RE (1) REQUEST FOR COURT TO RECEIVE AND FILE WATERMASTER SEMI-ANNUAL OBMP STATUS REPORTS 2017-2 AND 2018-1; (2) MOTION FOR COURT APPROVAL OF 2018 RECHARGE MASTER PLAN UPDATE; (3) MOTION FOR COURT TO: (1) RE-APPOINT NINE-MEMBER WATERMASTER BOARD FOR A FURTHER FIVE-YEAR TERM; (2) APPROVE TEMPORARY SUBSTITUTE RATE FOR PHYSICAL SOLUTION TRANSFERS UNDER EXHIBIT "G" TO THE JUDGMENT; AND, (3) RECEIVE AND FILE THE 2017/18 ANNUAL REPORT OF THE GROUND-LEVEL MONITORING COMMITTEE
- DECEMBER 28, 2018—ORDER GRANTING REQUEST FOR COURT TO RECEIVE AND FILE WATERMASTER SEMI-ANNUAL OBMP STATUS REPORTS 2017-2 AND 2018-1; ORDER APPROVING WATERMASTER'S 2018 RECHARGE MASTER PLAN UPDATE; ORDER GRANTING CHINO BASIN WATERMASTER MOTION FOR COURT TO: (1) RE-APPOINT NINE-MEMBER WATERMASTER BOARD FOR A FURTHER FIVE-YEAR TERM; AND (2) RECEIVE AND FILE THE 2017/18 ANNUAL REPORT OF THE GROUND-LEVEL MONITORING COMMITTEE; ORDER ON TEMPORARY SUBSTITUTE RATE, ETC.

Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

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

Groundwater Level Monitoring

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

The current groundwater level monitoring program is comprised of about 1,200 wells. At about 1,000 of these wells, water levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substances Control (DTSC), the Counties, and various private consulting firms. Watermaster collects these water level data at least semi-annually. At the remaining 215 wells, water levels are measured by Watermaster staff using manual methods once per month or by using pressure transducers that record data once every 15 minutes. These wells are mainly Agricultural Pool wells or dedicated monitoring wells located south of the 60 freeway.

All groundwater level data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm. During this reporting period, Watermaster measured about 420 manual water levels at about 70 wells throughout the Chino Basin and conducted two quarterly downloads of 145 pressure transducers installed in private, municipal, and monitoring wells. Additionally, Watermaster compiled all available groundwater-level data from well owners in the basin for the April 2018 to October 2018 period.



Ops Staff Taking a Groundwater Level Measurement

Groundwater Quality Monitoring

Watermaster initiated a comprehensive groundwater quality monitoring program in which the obtained data may be used by Watermaster for: the biennial State of the Basin report; the triennial ambient water quality update; the demonstration of Hydraulic Control, monitoring nonpoint-source groundwater contamination and plumes associated with point-source discharges, and assessing the overall health of the groundwater basin. Groundwater quality data are also used in conjunction with numerical models to assist Watermaster and other parties in evaluating proposed salinity management and groundwater remediation strategies. The details of the groundwater quality monitoring programs as of fiscal year 2017/18 are described below.

Chino Basin Data Collection (CBDC). Watermaster routinely and proactively collects groundwater quality data from well owners, such as municipal producers and government agencies. Groundwater quality data are also obtained from special studies and monitoring that takes place under orders of the Santa Ana Regional Water Quality Control Board (Regional Board)—such as for landfills and other groundwater quality investigations, the Department of Toxic Substances Control (DTSC), the US Geological Survey (USGS), and others. These data are collected from well owners and monitoring entities at least twice per year. Data is collected for about 800 wells as part of the CBDC program. During this reporting period, Watermaster compiled data collected for the CBDC program for the January to June 2018 period.

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

1. *Private Wells.* About 85 private wells, located predominantly in the southern portion of the basin, are sampled at various frequencies based on their proximity to known point-source contamination plumes. Eight wells near contaminant plumes are sampled on an annual basis, and the remaining 77 wells are sampled on a triennial basis.

Optimum Basin Management Program

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

2. *Watermaster Monitoring Wells.* Watermaster collects groundwater quality samples from a total of 21 multi-nested monitoring wells located throughout the Chino Basin. These nested wells include nine HCMP monitoring well sites constructed to support the demonstration of Hydraulic Control in the southern Chino Basin, nine sites constructed to support the PBHSP in the Prado Basin region, and three sites that fill spatial data gaps near contamination plumes in MZ-3. Each nested well site contains up to four wells in the borehole. Additionally, Watermaster samples one single-casing well in MZ-3. Currently, the HCMP and MZ-3 wells are sampled annually, and the PBHSP wells at two locations are sampled quarterly.
3. *Other wells.* Watermaster collects quarterly samples from four near-river wells to characterize the interaction of the Santa Ana River and groundwater. These shallow monitoring wells along the Santa Ana River consist of two former USGS National Water Quality Assessment Program wells (Archibald 1 and Archibald 2) and two Santa Ana River Water Company wells (well 9 and well 11).

During this reporting period, Watermaster collected 48 groundwater quality samples from 40 dedicated monitoring wells, and groundwater quality samples from 25 private wells. All groundwater quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm.

Groundwater Production Monitoring

As of the end of this reporting period, there were a total of 497 producing wells, 286 of which were for agricultural uses. Many active agricultural production wells are metered. Watermaster reads the meters on a quarterly basis and enters the production data into Watermaster's relational database, which can be accessed online through HydroDaVEsm.

Surface Water Monitoring in the Santa Ana River

Watermaster collects grab water quality samples at two sites along the Santa Ana River (Santa Ana River at River Road and Santa Ana River at Etiwanda) on a quarterly basis. Along with data collected at four wells near the Santa Ana River, these data are used to characterize the interaction between the Santa Ana River and nearby groundwater. During this reporting period, Watermaster collected four surface water quality samples.



Santa Ana River Near Archibald Ave

Prado Basin Habitat Sustainability Program (PBHSP)

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

During the reporting period, Watermaster performed the following tasks:

- Conducted the groundwater monitoring program, which included the quarterly download of transducers that measure groundwater levels at 18 PBHSP monitoring wells, and quarterly groundwater quality sampling at four PHBSP monitoring wells in two locations.
- Conducted the surface water monitoring program, which included the quarterly download of transducers that measure temperature and specific conductivity and quarterly water quality sampling at two sites along Chino Creek.
- Collected surface water quality and daily discharge data for POTWs and USGS stream gage locations tributary to Prado Basin for water year 2018.
- Collected climatic data near Prado Basin for water year 2018.

Optimum Basin Management Program

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

- Collected and reviewed the following riparian habitat monitoring data:
 - Normalized Difference Vegetation Index (NDVI) remote sensing data collected from Landsat satellites for water year 2018.
 - Performed a custom flight to collect a high-resolution air photo for 2018 of the Prado Basin region. This was cost shared with the OCWD.

Chino Basin Groundwater Recharge Monitoring Program

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

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



Stormwater Flowing Into San Sevaine 1 Basin

Monitoring Activities. During this reporting period, the IEUA performed its ongoing monitoring program to measure and record recharge volumes and to collect stormwater quality samples pursuant to its permit requirements. Also, during this reporting period, approximately 31 recharge basin and lysimeter samples were collected for water quality analysis, and 28 recycled water samples were collected for alternative water quality monitoring plans, including the application of a correction factor for soil aquifer treatment, determined from each recharge basin's startup period. Monitoring wells located downgradient of the recharge basins were sampled, at a minimum, on a quarterly basis; that said, some monitoring wells were sampled more frequently during the reporting period for a total of 91 samples.

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

- 2Q-2018 Quarterly Report, submitted to the RWQCB – August 2018
- 3Q-2018 Quarterly Report, submitted to the RWQCB – November 2018

Ground Level Monitoring

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

- Continuing the scope and frequency of monitoring within the so-called Managed Area that was conducted during the period when the MZ-1 Plan was being developed.
- Expanding the monitoring of the aquifer system and ground level movement into other areas of MZ-1 and the Chino Basin where data indicate concern for future subsidence and ground fissuring (Areas of Subsidence Concern).

Optimum Basin Management Program

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

- Monitoring of horizontal strain across the historical zone of ground fissuring.
- Conducting additional testing and monitoring to refine the MZ-1 Guidance Criteria for subsidence management (e.g. the Long-Term Pumping Test).
- Developing alternative pumping plans for the MZ-1 producers impacted by the MZ-1 Plan.
- Constructing and testing a lower-cost cable extensometer facility at Ayala Park.
- Evaluating and comparing ground level surveying and Interferometric Synthetic Aperture Radar (InSAR), and recommending future monitoring protocols for both techniques.
- Conducting an aquifer storage recovery (ASR) feasibility study at a City of Chino Hills production well within the MZ-1 Managed Area (Well 16).

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

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

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

- Continued high-resolution water level monitoring at wells within the Managed Area and within the Areas of Subsidence Concern. All monitoring equipment is inspected at least quarterly and is repaired and/or replaced as necessary. The data collected were checked and analyzed to assess the functionality of the monitoring equipment and for compliance with the SMP.
- Performed monthly routine maintenance, data collection, and verification at the Ayala Park and Chino Creek extensometer facilities.
- Performed the ground level surveys for the benchmark network in the Areas of Subsidence Concern: Southeast, Northeast, Northwest MZ-1, and the San Jose Fault Zone.
- Continued implementation of the Work Plan:
 - Collected, processed, and checked groundwater level data and production data from wells in the Northwest MZ-1 Study Area on monthly basis.
 - SCADA Integrations, Inc. installed seven pressure transducers and two sonar devices to measure water levels in Monte Vista Water District wells selected by WEI.
 - Installed 11 pressure transducers in the City of Pomona's active and inactive production wells selected by WEI and City of Pomona staff.
 - IEUA issued the bid package for the Pomona Extensometer Facility (PX) piezometer drilling and construction in August 2018. The contract was awarded to Cascade Drilling in September 2018.
 - Cascade Drilling installed the conductor casings and sanitary seals for the PX1 and PX2 boreholes in December 2018.
- Prepared to implement the Long-Term Pumping Test, described in the SMP, to test and refine the Guidance Level for the Managed Area. The test requires the City of Chino Hills to pump wells CH-15B and CH-17 such that they cause water levels at PA-7 to decline below the Guidance Level. The recovery phase of the test includes groundwater injection cycles at City of Chino Hills well CH-16. The City of Chino Hills wells CH-15B, CH-16, and CH-17 were not operational between July and December 2018.

Optimum Basin Management Program

Program Element 2: Develop and Implement a Comprehensive Recharge Program

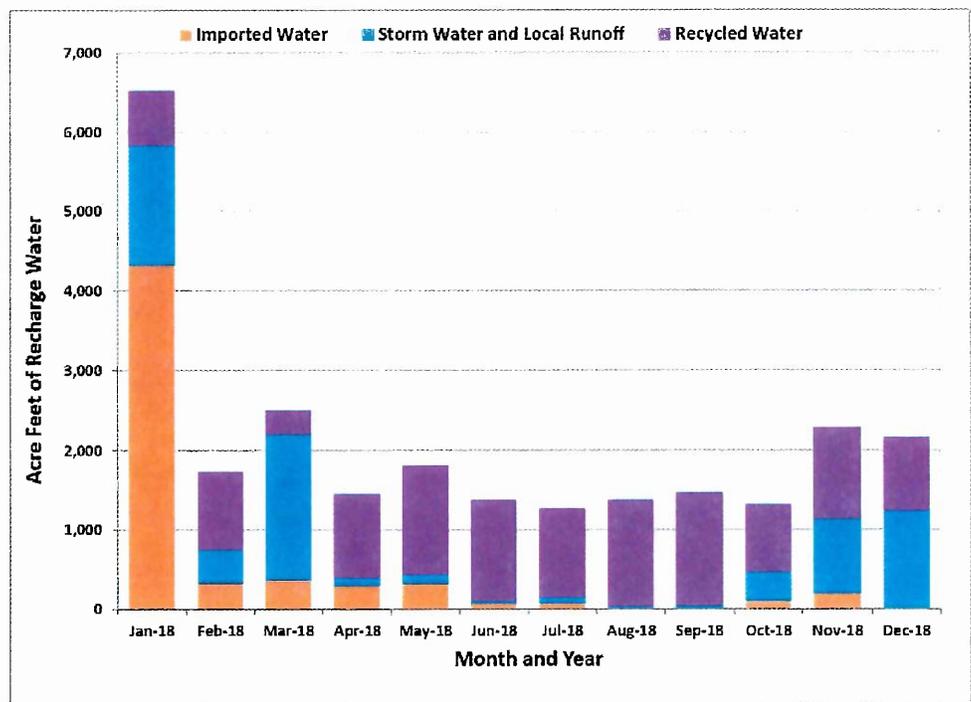
The objectives of the comprehensive recharge program includes enhancing the yield of the Chino Basin through the development and implementation of a Recharge Master Plan to improve, expand, and construct recharge facilities that enable the recharge of storm, recycled, and imported waters; to ensure a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

Pursuant to PE2 of the OBMP, Watermaster and the IEUA partnered with the San Bernardino County Flood Control District and the Chino Basin Water Conservation District to construct and/or improve eighteen recharge sites. This project is known as the Chino Basin Facilities Improvement Project (CBFIP). The average annual stormwater recharge of the CBFIP facilities is approximately 10,000 acre-feet per year, the supplemental "wet"¹ water recharge capacity is about 56,600 acre-feet per year, and the in-lieu supplemental water recharge capacity ranges from 17,700 to 49,900 acre-feet per year. In addition to the CBFIP facilities, the Monte Vista Water District has five ASR wells with a demonstrated well injection capacity of 5,500 acre-feet per year. The current total supplemental water recharge capacity ranges from 90,310 to 118,310 acre-feet per year, which is greater than the projected supplemental water recharge capacity required by Watermaster.

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

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

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



During this reporting period, Watermaster completed the 2018 Recharge Master Plan Update (2018 RMPU) and submitted it to the Court in October 2018. On December 28, 2018, the Court approved the 2018 RMPU. The next Recharge Master Plan Update will be performed no later than October 2023.

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

Optimum Basin Management Program

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

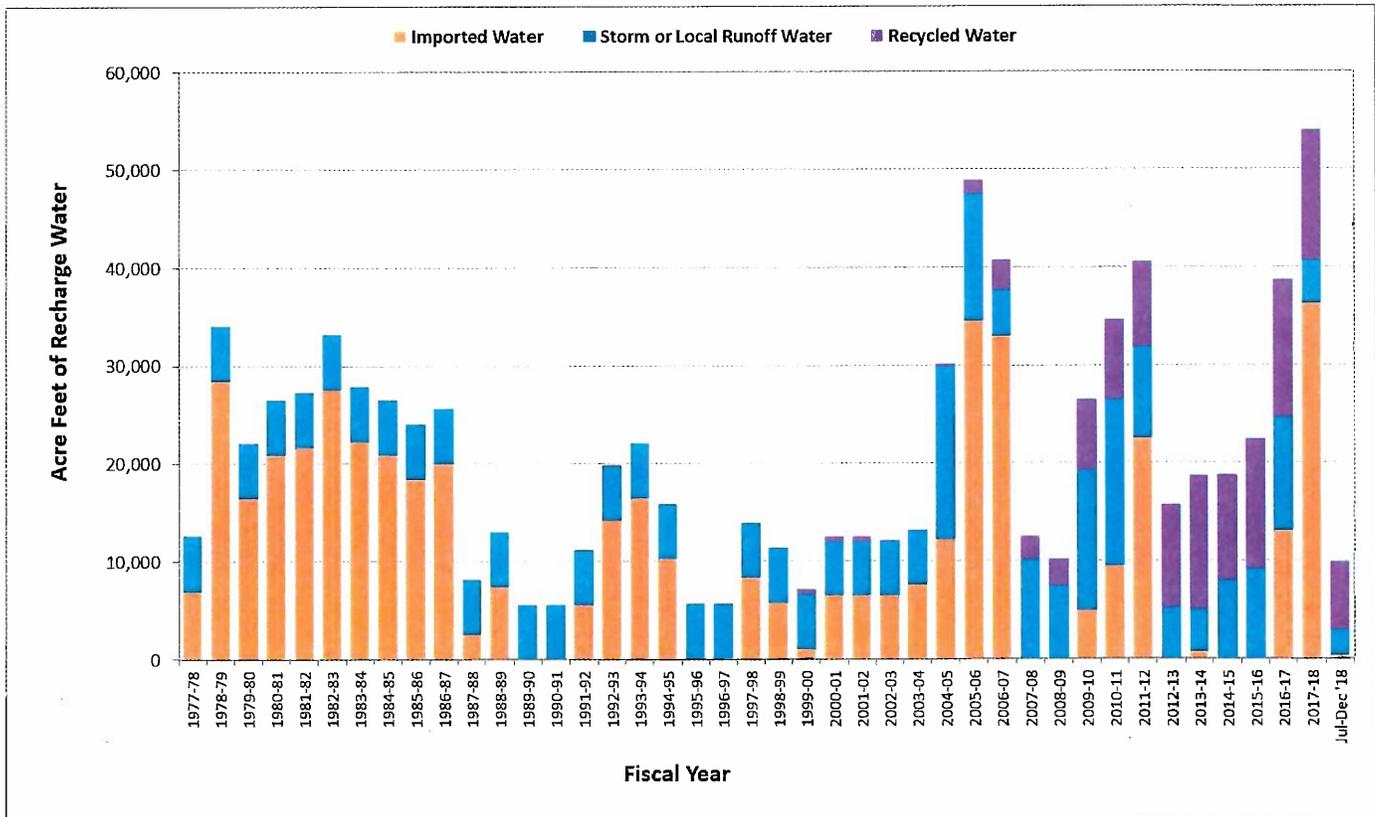
2013 RMPU Implementation. Watermaster and the IEUA are continuing to carry out the October 2013 Court Order, which authorizes them to implement the 2013 RMPU. The construction of the San Sevaine basin improvements was completed in September 2018 and the construction of the Victoria Basin improvements was completed in December 2018. During this reporting period, the 95 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects.

Additionally, Watermaster and the IEUA continued to develop a series of projects outside of the 2013 RMPU effort that will increase and/or facilitate stormwater and supplemental water recharge and have jointly funded these projects, including monitoring upgrades and habitat conservation. Watermaster's share of the cost of these projects was included in the budget adopted by Watermaster for fiscal year 2018/19.

The Recharge Improvements Project Committee met monthly on the progress of implementing the 2013 RMPU Projects and other recharge-related projects.

Recharge for Dilution of Recycled Water. In fiscal year 2009/10, Watermaster and the IEUA's recharge permit was amended to allow for existing underflow dilution and extended the period for calculating dilution from a running 60-month to a running 120-month period. Additionally, the IEUA has worked with the DDW to obtain approval to increase the allowable recycled water contribution (RWC) at wells to 50 percent. These permit amendments allow for increased recycled water recharge without having to increase the amount of imported and storm waters required for dilution. The IEUA projects its dilution requirements as part of its annual reporting to the DDW. Based on the latest Annual Report (May 2017), the IEUA projects that dilution requirements will be met through 2028 even if no imported water is available for dilution.

Recharge Activities. During this reporting period, ongoing recycled water recharge occurred in the Brooks, 7th Street, 8th Street, Turner, Ely, RP-3, Declaz, Victoria, Hickory, and Banana Basins; stormwater was recharged at 17 recharge basins across all management zones of the Chino Basin; and imported water was recharged at the 8th Street Basin and through the Monte Vista Water District's ASR wells. Watermaster and the IEUA recharged a total of 9,871 acre-feet of water: 2,708 acre-feet of stormwater, 6,820 acre-feet of recycled water, and 343 acre-feet of imported water.



Optimum Basin Management Program

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

Balance of Recharge and Discharge in MZ-1. The total amount of supplemental water recharged in MZ-1 since the Peace II Agreement through December 31, 2018 was approximately 90,769 acre-feet, which is about 12,769 acre-feet more than the 78,000 acre-feet required by June 30, 2019 (annual requirement of 6,500 acre-feet). The amount of supplemental water recharged into MZ-1 during the reporting period was approximately 2,058 acre-feet.

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

Program Element 5: Develop and Implement Regional Supplemental Water Program

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

The Chino I Desalter Expansion and the Chino II Desalter facilities were completed in February 2006. As currently configured, the Chino I Desalter produces about 13,500 acre-feet of groundwater per year (12.1 million gallons per day [MGD]) at 15 wells (I-1 through I-15). This water is treated through air stripping (volatile organic compound [VOC] removal), ion exchange (nitrate removal), and/or reverse osmosis (for nitrate and TDS removal). The Chino II Desalter produces about 15,800 acre-feet of groundwater per year (14.1 MGD) at eight wells (II-1 through II-4 and II-6 through II-9). This water is treated through ion exchange and/or reverse osmosis. Development and planning continues between the CDA and Watermaster to expand the production and treatment capacity of the Chino Desalters by about 10,500 acre-feet per year (9.5 MGD). More than \$77 million in grant funds have been secured toward this expansion.

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

The current expansion project includes adding three additional desalter wells. Wells II-10, II-11, and II-12 to provide additional raw water to the Chino II Desalter to meet the maximum-benefit commitment to produce a total of 40,000 acre-feet per year from the combined desalter well fields. These wells will also be utilized as part of the remediation action plan to clean up the South Archibald Plume (see the Program Element 6 update in this status report). The construction of wells II-10 and II-11 was completed in late-2015, equipping of the wells was completed in August 2018, and production at the wells commence soon after.

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

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

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

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

- Minimize subsidence and fissuring in the short-term.
- Collect the information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring.

Optimum Basin Management Program

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

- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

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

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

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

- Conducted one GLMC meeting on August 23, 2018 to preview the *2017/18 Annual Report of the Ground Level Monitoring Committee* report and discuss the Ground Level Monitoring Program activities for fiscal year 2018/19.
- Conducted one GLMC meeting on September 27, 2018 to review and discuss the draft *2017/18 Annual Report of the Ground Level Monitoring Committee* report.
- Finalized the *2017/18 Annual Report of the Ground Level Monitoring Committee* report in November 2018.

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

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

South Archibald Plume

In July 2005, the Regional Board prepared draft Cleanup and Abatement Orders (CAOs) for six parties who were tenants on the Ontario Airport with regard to the South Archibald TCE Plume. The draft CAOs required the parties to “submit a work plan and time schedule to further define the lateral and vertical extent of the TCE and related VOCs that are discharging, have been discharged, or threaten to be discharged from the site” and to “submit a detailed remedial action plan, including an implementation schedule, to cleanup or abate the effects of the TCE and related VOCs.” Four of the six parties (Aerojet-General Corporation, The Boeing Company, General Electric, and Lockheed Martin) voluntarily formed a group known as ABGL to work jointly on a remedial investigation. Northrop Grumman declined to participate in the group. The US Air Force, in cooperation with the US Army Corps of Engineers, funded the installation of one of the four clusters of monitoring wells installed by the ABGL Parties.

In 2008, Regional Board staff conducted research pertaining to the likely source of the TCE contamination and identified discharges of wastewater that may have contained TCE to the RP-1 treatment plant and associated disposal areas 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’s sewage systems

Optimum Basin Management Program

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

and subsequently to the RP-1 treatment plant and disposal areas. In 2012, an additional Draft CAO was issued by the Regional Board jointly to the City of Ontario, City of Upland, and the IEUA as the previous and current operators of the RP-1 treatment plant and disposal area (collectively, the RP-1 Parties). In part, the draft CAOs require that RP-1 Parties “supply uninterrupted replacement water service [...] to all residences south of Riverside Drive that are served by private domestic wells at which TCE has been detected at concentrations at or exceeding 5 µg/L [...]” and to report this information to the Regional Board. In addition, the RP-1 Parties are to “prepare and submit [a] [...] feasibility study” and “prepare, submit and implement the Remedial Action Plan” to mitigate the “effects of the TCE groundwater plume.”

Under the Regional Board’s oversight, the ABGL Parties and/or the RP-1 Parties conducted sampling at private residential wells and taps approximately every two years (2007-2008, 2009, 2011, 2013-2014) in the region where groundwater is potentially contaminated with TCE. By 2014, all private wells and/or taps in the region of the plume had been sampled at least once since 2007. Alternative water systems (tanks) have been installed at residences in the area where well or tap water contains TCE at or above 80% of the MCL for TCE. Residents who declined tank systems are being provided bottled water. Watermaster also routinely samples for water quality at private wells in the area and uses data obtained from this monitoring to delineate the spatial extent of the plume. The most recent characterization of the plume completed by Watermaster was in June 2017 for the 2016 State of the Basin Report. During this reporting period Watermaster prepared a semi-annual status report on the South Archibald plume for Watermaster Parties in October.

In July 2015, the RP-1 Parties completed the Draft Feasibility Study Report for the South Archibald Plume (Feasibility Study). The Feasibility Study established cleanup objectives for both domestic water supply and plume remediation and evaluates alternatives to accomplish these objectives. In August 2015, a Draft Remedial Action Plan (RAP) was concurrently prepared by the RP-1 Parties to present the preferred plume remediation and domestic water supply alternatives. A public review period followed along with two community meetings to educate the public about the plume, the Feasibility Study, and the RAP, and to solicit comments on these reports. In November 2015, a revised Draft Feasibility Study, RAP, and Responses to Comments were completed to address input from the public, the ABGL, and others. In September 2016, the Regional Board issued the Final CAO R8-2016-0016 collectively to the RP-1 Parties and the ABGL Parties. The Final CAO was adopted by all parties in November 2016, thus approving the preferred plume remediation and domestic water supply alternatives identified in the RAP. The parties also reached a settlement agreement that aligns with the Final CAO and authorizes funding to initiate implementation of the plume remediation alternative.

The plume remediation alternative involves the use of existing and proposed CDA production wells and facilities. The RP-1 Parties reached a Joint Facility Development Agreement with the CDA for the implementation of a project designed to remediate the South Archibald Plume. The proposed project includes the operation of three new CDA desalter wells (II-10, II-11, and II-12) and a dedicated pipeline to convey produced groundwater from the three new wells and existing CDA well I-11 to the Desalter II treatment facility. As noted previously in this status report, the CDA has completed construction of two of the three wells, which became operational during this reporting period. The RP-1 Parties and the CDA have faced ongoing complications in their efforts to acquire the property for the third well, which is affecting the advancement of the remaining project. In July 2018 the Regional Board approved an extension for the RP-1 Parties of imposed project deadlines in the Final CAO R8-2016-0016. The deadline extensions include: well II-12 design report completed by September 2019 and construction completed by July 2020; dedicated pipeline design report for the remaining portion of the pipeline submitted by December 2018 and construction completed by April 2020; and the decarbonator modification design report submitted by July 2019 and construction completed by February 2020.

The domestic water supply alternative for those private residences affected by TCE groundwater contamination is a hybrid between the installation of tank systems for some residences, where water is delivered from the City of Ontario potable supply via truck deliveries, and the installation of a temporary pipeline to connect some residences to the City of Ontario potable water system. The Cities of Ontario and Upland have assumed responsibility for implementing the domestic water supply alternative. In February 2017, the Cities of Ontario and Upland submitted the Domestic Water Supply Work Plan to the Regional Board to outline the approach to provide water tank systems or connection to the City of Ontario municipal water supply system for affected residences currently receiving bottled water. During this reporting period the City of Ontario submitted the work plan for 2018 private water supply well sampling to the Regional Board in October 2018 for sampling of approximately 75 affected residences. The private water supply sampling program commenced in late-2018.

Optimum Basin Management Program

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

Chino Airport Plume

In 1990, the Regional Board issued CAO No. 90-134 to the County of San Bernardino, Department of Airports (County) to address groundwater contamination originating from the Chino Airport. During 1991 to 1992, ten underground storage tanks and 310 containers of hazardous waste were removed, and 81 soil borings were drilled and sampled on the airport property. From 2003 to 2005, nine onsite monitoring wells were installed and used to collect groundwater quality samples. In 2007, the County conducted its first offsite monitoring effort, and in 2008, the Regional Board issued CAO No. R8-2008-0064, requiring the County to define the lateral and vertical extent of the plume and prepare a remedial action plan. From 2009 to 2012, Tetra Tech, the consultant to the County, conducted several off-site plume characterization studies to delineate the areal and vertical extent of the plume and constructed 33 offsite monitoring wells. From 2013 to early-2015, Tetra Tech conducted an extensive investigation of several areas identified for additional characterization of soil and groundwater contamination; and at the conclusion of the work, they constructed an additional 33 groundwater monitoring wells on and adjacent to the Airport property. In August 2016, the County completed a Draft Feasibility Study to identify remedial action objectives and evaluate remediation alternatives for mitigation. In January 2017, the Regional Board issued CAO R8-2017-0011, which requires the County to prepare a Final Feasibility Study that incorporates comments from the Regional Board and to prepare, submit, and implement a Remedial Action Plan. The County submitted a Final Feasibility Study for the Chino Airport on June 6, 2017, and it was approved by the Regional Board on June 7, 2017. On December 18, 2017 the County submitted the *Draft Interim Remedial Action Plan* for public review and comment through April 2018. The recommended remediation alternative is a groundwater pump-and-treat system to provide hydraulic containment and treatment of both the West Plume and the East Plume originating from the Chino Airport. The system consists of ten extraction wells that combined will produce approximately 900 gallons per minute of groundwater for onsite treatment using carbon adsorption. The system may also utilize CDA wells I-17 and I-18. Once treated, the preferred option is to discharge the treated groundwater to the CDA's Chino-I Desalter influent pipeline via a newly constructed pipeline. If this discharge option is not available at the time the system is constructed, the alternative options are to discharge the treated groundwater to either the local surface water channels or wastewater treatment plants or to inject the treated groundwater back into the basin with six injection wells at the northeast corner of the Chino Airport. Currently the County is in discussions with the CDA to discharge the treated water from the extraction system to the CDA's influent pipeline.

During this reporting period Watermaster used the Chino Basin groundwater flow model to analyze how increased groundwater production for the remedial solution from the ten new well clusters and CDA wells I-17 and I-18 will affect groundwater levels in this area where Watermaster has commitments to maintain Hydraulic Control and to avoid impacts to the groundwater dependent habitat in the Prado Basin. The modeling results will be available in early 2019.

During this reporting period the County conducted pump tests at the two well clusters constructed in early 2018. Additionally, the County destroyed four out of five abandoned/inactive agricultural wells located in the western portion of the airport property pursuant to the *Former Agricultural Well Destruction Work Plan* submitted to the Regional Board in July 2018. The fifth well is being considered 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.

The County conducts quarterly and/or annual monitoring events at all 75 of their monitoring wells constructed to date. The conclusions from this monitoring program can be found in reports posted on the Regional Board's GeoTracker website. Watermaster also routinely samples for water quality at private and monitoring wells in the area and uses this and other data obtained from its data collection programs to independently delineate the spatial extent of the plume. The most recent characterization of the plume completed by Watermaster was in June 2017 for the *2016 State of the Basin Report*. During this reporting period Watermaster prepared a semi-annual status report on the Chino Airport plume for Watermaster Parties in October. The County submitted to the Regional Board the *Semiannual Groundwater Monitoring Report Winter and Spring 2018 Chino Airport Groundwater Assessment, San Bernardino County, California*.

Other Water Quality Issues

Watermaster continues to track monitoring programs and mitigation measures associated with other point sources in the Chino Basin, including: Alumax Aluminum Recycling, Alger Manufacturing Facility, the Former Crown Coach Facility, General Electric Test Cell and Flatiron, Former Kaiser Steel Mill, Milliken Landfill, Upland Landfill, and the Stringfellow National Priorities List sites. In June 2017 Watermaster prepared updated delineations of the extent of the VOC plumes for GE Test Cell, GE Flatiron, Milliken Landfill, and the

Optimum Basin Management Program

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

so-called Pomona VOC plume as part of the 2016 Chino Basin State of the Basin Report published on June 30, 2017. During this reporting period Watermaster prepared annual status reports for the GE Test Cell, GE Flatiron, Miliken Landfill, California Institution for Men, and Stringfellow plume, and the former Kaiser Steel Mill site.

Program Element 7: Develop and Implement a Salt Management Program

Maximum Benefit Salinity Management Plan

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

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

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

Hydraulic Control and Chino Desalters. One of the main maximum-benefit commitments is to achieve and maintain "Hydraulic Control" of the Chino Basin through operation of the Chino Basin Desalters to protect downstream beneficial uses of the Santa Ana River. The Chino Basin Desalters are required to replace the diminishing agricultural production that previously prevented the outflow of high TDS and nitrate groundwater. Hydraulic Control is defined by the Basin Plan as the elimination of groundwater discharge from



Well Repair at a Water Quality Sampling Site

Optimum Basin Management Program

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

the Chino-North GMZ to the Santa Ana River or its reduction to a de minimus level. In October 2011, the Regional Board indicated that groundwater discharge from the Chino-North GMZ to the Prado Basin surface water management zone (Prado Basin) in an amount less than 1,000 acre-feet per year is considered de minimus. Watermaster and the IEUA have demonstrated, in Annual Reports to the Regional Board, that complete Hydraulic Control has been achieved at and east of Chino-I Desalter Well 5. The construction and operation of the CCWF (see Program Element 5), which began in 2010, is intended to achieve Hydraulic Control in the area west of Chino-I Desalter Well 5. In February 2016, the CCWF commenced full-scale operation with production at wells I-16, I-17, I-20, and I-21. The CCWF wells produced a total of about 1,665 acre-feet in 2016, which is more than the model-estimated production needed to achieve Hydraulic Control to the de minimus standard west of Chino-I Desalter Well 5.

Although full Hydraulic Control has been achieved, future agricultural groundwater production in the southern part of the basin is expected to continue to decline, necessitating future expansion of the desalters to sustain Hydraulic Control. In a letter dated January 23, 2014, the Regional Board required that by May 31, 2014, Watermaster and the IEUA submit a plan detailing how Hydraulic Control will be sustained in the future as agricultural production in the southern region of Chino-North continues to decrease—specifically, how the Chino Basin Desalters will achieve the required total groundwater production level of 40,000 acre-feet per year. On June 30, 2015 Watermaster and the IEUA submitted a final plan and schedule for the construction and operation of the three new desalter wells. These wells are under construction. During this reporting period, Watermaster coordinated with the CDA to track the progress of construction of the desalter expansion facilities. A full status report on the desalter expansion facilities is described in this status report under Program Element 3.

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

Recycled Water Quality. Commitment number 6 requires that recycled water quality be managed to ensure that the agency-wide, 12-month running average wastewater effluent quality does not exceed 550 mg/L and 8 mg/L for TDS and total inorganic nitrogen (TIN), respectively. Watermaster and the IEUA must submit a plan and schedule to the Regional Board for the implementation of measures to ensure long-term compliances with these limits when either the 12-month running average IEUA agency-wide effluent TDS concentration exceeds 545 mg/L for three consecutive months, or the TIN concentration exceeds 8 mg/L in any one month. During 2015, a historical high 12-month running average IEUA agency-wide effluent TDS concentration of 534 mg/L was calculated for three consecutive months: June, July and August. This 12-month running average IEUA agency-wide effluent TDS concentration of 534 mg/L was only 11 mg/L below the trigger. In Winter 2015, the increasing trend reversed, and by December 2016, the 12-month running average IEUA agency-wide effluent TDS concentration decreased to 504 mg/L. Through analysis of water supply and wastewater data, Watermaster and the IEUA concluded that drought conditions have a meaningful impact on the short-term TDS concentration of the water supplies available to the IEUA agencies and that future droughts similar to the 2012-2016 period could lead to short term exceedances of the 12-month running average IEUA agency-wide effluent TDS. For this reason, in October 2016, Watermaster and the IEUA petitioned the Regional Board to consider modifying the TDS compliance metric for recycled water to a longer term averaging period. The Regional Board agreed that an evaluation of the compliance metric is warranted and directed Watermaster and the IEUA to develop a technical scope of work to support the adoption of a longer term averaging period. The proposed technical scope of work to support a Basin Plan amendment to revise the recycled water compliance metric was submitted to the Regional Board for approval in May 2017, and after approval the work began in September 2017. During this reporting period, Watermaster and the IEUA continued implementing the scope of work, which included building a numerical fate-and-transport model to simulate future changes in TDS and nitrate concentrations in the Chino Basin under alternative salinity management plans. A project status meeting was held at the Regional Board on December 10, 2018 to report on progress and discuss demonstrations that will be made with the modeling tools. The technical work is scheduled to be completed in April 2019. The Basin Plan amendment is scheduled to be completed by December 2019.

Ambient Water Quality. Commitment number 9 requires that Watermaster and the IEUA recompute ambient TDS and nitrate concentrations for the Chino Basin and Cucamonga GMZs every three years. The recomputation of ambient water quality is performed for the entire Santa Ana River Watershed, and the technical work is contracted, managed, and directed by the Santa Ana Watershed Project Authority's Basin Monitoring Program Task Force. Watermaster and the IEUA have participated in each triennial, watershed-wide ambient water quality determination as members of the Task Force. The most recent recomputation, covering the 20-year period from 1993 to 2015, was completed in September 2017. No work was performed during this reporting period.

Optimum Basin Management Program

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

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

The existing Watermaster/IEUA/MWDSC/Three Valleys Municipal Water District Dry Year Yield (DYY) program continues to be implemented. By April 30, 2011, all DYY program construction projects and a full "put" and "take" cycle had been completed, leaving the DYY storage account with a zero balance. Another DYY cycle began in June 2017. During the reporting period 0 acre-feet of water was recharged through the DYY program.

Safe Yield Recalculation

The Basin's Safe Yield was initially set by the Judgment at 140,000 acre-feet per year. The Safe Yield was based in on the hydrology for the period of 1965 through 1974. Pursuant to the Judgment, the Chino Basin Safe Yield is to be recalculated periodically but not for at least ten years following 1978. Pursuant to the OBMP Implementation Plan and Watermaster's Rules and Regulations, in year 2010/11 and every ten years thereafter, Watermaster is to recalculate the Safe Yield. The 2011 Safe Yield recalculation was to be based in part on the information obtained in the prior ten-year period.

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

In July 2018, Watermaster's consultant has begun the technical work necessary for the Safe Yield recalculation for 2020 pursuant to the OBMP Implementation Plan. This recalculation will address the impacts of projected climate change and land subsidence. The schedule calls for calibration of the updated Watermaster groundwater flow model for the Chino Basin by June 2019 and the recalculation of Safe Yield by January 2020.

Groundwater Storage Management

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

- **Operational Storage Requirement** – The Operational Storage Requirement is the storage or volume in the Chino Basin that is necessary to maintain the Safe Yield. [Author's note: This is an average value with the storage oscillating around this value due to dry and wet periods in precipitation. The Operational Storage Requirement was estimated in the development of the OBMP to be about 5.3 million acre-feet. This storage value was set at the estimated storage in the basin in 1997.]
- **Safe Storage** – Safe Storage is an estimate of the maximum storage in the basin that will not cause significant water quality and high groundwater related problems. [Author's note: Safe storage was estimated in the development of the OBMP to be about 5.8 million acre-feet.]
- **Safe Storage Capacity** – Safe Storage Capacity is the difference between the Safe Storage and the Operational Storage Requirement. The allocation and use of storage space in excess of the Safe Storage Capacity will preemptively require mitigation; mitigation must be defined, and resources committed to mitigation prior to allocation and use.

Optimum Basin Management Program

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

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

Subsequent to the OBMP PEIR, Watermaster and the parties developed revisions to the OBMP based on: new monitoring and borehole data collected since 1998, an improved hydrogeologic conceptualization of the basin, new numerical models that have improved the understanding of basin hydrology since 2000, and the need to expand the Chino Basin Desalters (desalters) to the 40,000 acre-feet per year of groundwater production required in the OBMP Implementation Plan. These investigations included a recalculation of the total water in storage in the basin, based on the improved hydrogeologic understanding. The total storage in the Chino Basin for 2000 was estimated to be about 5,935,000 acre-feet.

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

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

Storage Framework Investigation. Watermaster staff, at the direction of the Watermaster Board, began an investigation to assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential Storage and Recovery programs. In the prior reporting period, Watermaster updated its modeling tools and planning projections, and subsequently completed an assessment of potential MPI for the Parties use of Managed Storage. In that work, it was determined that with the Watermaster Parties' projected future water use and pumping, that the Parties would likely use up to 700,000 acre-feet of storage space for Managed Storage and the use of that storage space would not result in MPI through 2050. Watermaster staff evaluated the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet for potential Storage and Recovery programs. The results of this assessment were presented in three workshops in January, March and May 2018. Watermaster staff documented that work in a draft report that was distributed to the Watermaster Parties in August 2018. Subsequently Watermaster presented the entirety of the work in a September 2018 workshop, addressed all the comments of the Parties and submitted a final report to the Watermaster in October 2018. The Watermaster Board received and filed the final Storage Framework Report in October 2018. In the next two reporting periods, Watermaster staff will work with the Parties to update the OBMP storage management plan as part of the 2020 OBMP Update.



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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

D. SGMA REPORTING FOR WATER YEAR 2018



CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730
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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: March 21, 2019
TO: Advisory Committee
SUBJECT: SGMA Reporting for Water Year 2018 (Consent Calendar Item I.D.)

SUMMARY

Issue: Pursuant to the SGMA, Water Code Section 10720.8(f), the Chino Basin Watermaster is required to submit specific data, information and reports to the Department of Water Resources (DWR) by April 1, 2019.

Recommendation: Recommend to the Watermaster Board to approve and direct staff to file the information/reports with the DWR.

Financial Impact: None

Future Consideration

Advisory Committee – March 21, 2019: Advice and assistance

Watermaster Board – March 28, 2019: Approve with direction to file the information/reports with the DWR.

ACTIONS:

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

Non-Agricultural Pool – March 14, 2019: Unanimously recommended their representatives to support at Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

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

Advisory Committee – March 21, 2019:

Watermaster Board – March 28, 2019:

BACKGROUND

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

- (1) *By April 1, 2016, submit to the department a copy of a governing final judgement, or other judicial order or decree, and amendments entered before April 1, 2016.*
- (2) *Within 90 days of entry by court, submit to the department a copy of any amendment made and entered by the court to the governing final judgment or other judicial order or decree on or after April 1, 2016.*
- (3) *By April 1, 2016, and annually thereafter, submit to the department a report containing the following information to the extent available for the portion of the basin subject to the adjudication:*
 - (A) *Groundwater elevation data unless otherwise submitted pursuant to Section 10932.*
 - (B) *Annual aggregated data identifying groundwater extraction for the preceding water year.*
 - (C) *Surface water supply used for or available for use for groundwater recharge or in-lieu use*
 - (D) *Total water use*
 - (E) *Change in groundwater storage*
 - (F) *The annual report submitted to the court.*

DISCUSSION

Pursuant to Water Code 10720.8(a), the Chino Basin Watermaster submitted items (1), (2), and (3) listed above by April 1, 2016. Item (3) information was submitted for water years 2015, 2016 and 2017. The submittal of water year 2018 information by April 1, 2019 is the fourth such submittal by the Chino Basin Watermaster to the DWR for Water Code 10720.8(a) item (3).

The DWR has implemented an on-line submission system, which is accessible with secure login credentials, to facilitate the transmittal of all the required data and reports for adjudicated basins pursuant to the SGMA. The online system, called the *Adjudicated Basin Annual Reporting System*, consists of a specialized reporting template to populate all the required information and to upload supporting documents and reports. The attached Memorandum, prepared by Wildermuth Environmental Inc (WEI) explicitly describes the information and reports that will be submitted by the Chino Basin Watermaster to the DWR's *Adjudicated Basin Annual Reporting System* by April 1, 2019.

The item was presented to the three Pools and it was unanimously recommended for Advisory Committee to recommend Board approval and file with the DWR.

ATTACHMENTS

1. Memorandum: Chino Basin Watermaster submittal of the water year 2018 reporting requirements for adjudicated basins pursuant to the Sustainable Groundwater Management Act



Memorandum	
To:	Chino Basin Watermaster
From:	Wildermuth Environmental
Date:	March 4, 2019
Subject:	Chino Basin Watermaster submittal of the water year 2018 reporting requirements for adjudicated basins pursuant to the Sustainable Groundwater Management Act

Pursuant to the Sustainable Groundwater Management Act (SGMA) requirements for adjudicated basins, as described in California Water Code (CWC) Section 10720.8(f), the Chino Basin Watermaster (Watermaster) is preparing to submit information pursuant to the annual reporting requirements for Chino Basin for water year 2018 (October 1, 2017 to September 30, 2018). The water year 2018 submittal is the fourth submittal by the Watermaster to the California Department of Water Resources (DWR). The SGMA requires that the following six categories of data be submitted to the DWR by April 1 of each year: (A) groundwater elevation data, unless otherwise submitted pursuant to Section 10932¹; (B) annual aggregated data identifying total groundwater extractions for the preceding water year; (C) surface water supply used, or available for use, for groundwater recharge or in-lieu use; (D) total water use; (E) change in groundwater storage; and (F) the annual report submitted to the court.

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

This memorandum describes all of the information that Wildermuth Environmental, Inc. (WEI) proposes to submit to the DWR using the Adjudicated Basin Annual Reporting System on behalf of the Watermaster, to satisfy the water year 2018 reporting requirements for the Chino Basin.

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

If the information and/or reports proposed for submittal to the DWR are not required, it is specified as such within this memorandum.

Water Data for Water Year 2018

The following Chino Basin water year 2018 data and digital documents will be submitted. The DWR Adjudicated Basin Annual Reporting System language is in ***bold italics*** and the information for submittal is shown in regular text. All volume data are reported in acre-feet (AF).

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

Is water level data submitted to the CASGEM Program? Yes

Does the watermaster collect or receive additional groundwater levels? Yes

Does the watermaster measure groundwater levels? Yes

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

Total Groundwater Extraction (AF): 141,563

Groundwater extraction by water use sector (if available):

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

<i>Sector</i>	<i>Volume (AF)</i>	<i>Explanation</i>
<i>Urban</i>	121,218	Appropriative Pool (Pool 3)
<i>Agricultural</i>	17,849	Agricultural Pool (Pool 1)
<i>Other Sector</i>	2,496	Non-Agricultural Pool (Pool 2)

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

Surface Water Supply (AF): 154,413

Method used to determine: The submittal of this information is optional; the following information will be submitted:

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

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

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

<i>Source Type</i>	<i>Volume (AF)</i>	<i>Explanation</i>
Local Surface Deliveries	16,517	This includes 4,342 AF of storm water and urban runoff for groundwater recharge, and 12,175 AF of native surface water for direct consumption.
State Water Project Deliveries	100,505	This includes 17,953 AF for groundwater recharge, and 82,552AF for direct consumption.
Recycled Water	37,391	This includes 13,900 AF for groundwater recharge, and 23,491 AF for direct consumption.

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

Total Water Use (AF): 340,699

Method used to determine: The submittal of this information is optional; the following information will be submitted:

Total water use data includes water used for direct consumption and for groundwater recharge. Data were obtained from Watermaster records, and/or collected from the parties in the Chino Basin. The total water use represents the sum of total water use by parties to the Chino Basin Judgment. Many of the Chino Basin appropriative pool parties have service areas that extend outside the Chino Basin adjudicated boundary. The proportion of the total water use for direct consumption that is used inside the Chino Basin adjudicated boundary is not quantified by Watermaster.

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

water used for direct use; and **Other** is water used for groundwater recharge which includes storm water and urban runoff, imported State Water Project water, and recycled water.

Water Use met by source type:

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

<i>Type</i>	<i>Volume (AF)</i>
<i>Groundwater</i>	186,285
<i>Surface water</i>	94,727
<i>Recycled or reused water</i>	23,491
<i>Other</i>	36,195

(E) Annual change in groundwater storage

Change in storage (AF): 22,400

Method used to determine: The submittal of this information is optional; the following information will be submitted:

The change in storage over the period of October 1, 2017 through September 30, 2018 was estimated using the Chino Basin groundwater model, which was updated by extending the calibration period from July 1, 1960 through September 30, 2018.

Time period for change: **Start date:** 10/1/2017 **End date:** 9/30/2018

(F) The annual report submitted to the court

Start date: 7/1/2017 **End date:** 6/30/2018

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

Watermaster published the Annual Report for fiscal year 2017/2018 since the last the SGMA annual reporting requirements for the Chino Basin were submitted on April 1, 2018. The Chino Basin Watermaster 41st Annual Report for fiscal year 2017/2018 is submitted herein.

Please submit additional reports or documents:

The submittal of this information is optional; this memorandum will be submitted herein. Additional Chino Basin Watermaster engineering and legal reports are available for public download on Watermaster's website at www.cbwm.org

CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

D. GM REPORT

2. Appropriative Pool Member Commitments to Purchase Overlying Non-Agricultural Pool Water Per Restated Judgment Exhibit "G"

Actual Allocation for the Purchase of the Exhibit "G" Non-Ag Pool Water 2019

The Restated Judgment, Exhibit "G" states:

9(a) By December 31 of each year, the members of the Overlying (Non-Agricultural) Pool shall notify Watermaster of the amount of water each member shall make available in their individual discretion for purchase by the Appropriators. By January 31 of each year, Watermaster shall provide a Notice of Availability of each Appropriator's pro-rata share of such water;

9(b) Except as they may be limited by paragraph 9(a) below, each member of the Appropriative Pool will have, in their discretion, a right to purchase its pro-rata share of the supply made available from the Overlying (Non-Agricultural) Pool at the price established in 9(d) below. Each Appropriative Pool member's pro-rata share of the available supply will be based on each Producer's combined total share of Operating Safe Yield and the previous year's actual Production by each party;

9(c) If any member of the Appropriative Pool fails to irrevocably commit to their allocated share by March 1 of each year, its share of the Overlying (Non-Agricultural) Pool water will be made available to all other members of the Appropriative Pool according to the same proportions as described in 9(b) above and at the price established in Paragraph 9(d) below. Each member of the Appropriative Pool shall complete its payment for its share of water made available by June 30 of each year.

Non-Ag Water Made Available By:		
Party	Volume Made Available (AF)	Payment @ \$655.00 per AF
MWWD Non-Ag	38.542	\$ 25,245.01
NRG CA South LP	2,000.000	\$ 1,310,000.00
CA Speedway Corporation	925.000	\$ 605,875.00
Total	2,963.542	\$ 1,941,120.01

1st Iteration Additional Amount Available To Be Reallocated:
(= Total [B] - Total [D])
2,763.542 Acre-Feet

Party	2,963.542 Potential Allocation (From Notice)	Maximum Amount Stated On Form	Amount of Original Potential Allocation Requested	Maximum Additional Amount Requested	Original Potential Allocation (If Purchasing Additional)	1st Iteration			Total Amount After Iteration											Cost for Each Party's Allocation @ \$655.00 per AF
						Percent Of Potential Allocation	Available Allocation Amount For This Iteration	Reallocation Actual Amount (Up To Maximum)												
Arrowhead Mtn Spring Water Co	5.937	-	-	-	-				-											\$ -
CalMat Co.	-	-	-	-	-				-											\$ -
Chino Hills, City Of	110.365	-	-	-	-				-											\$ -
Chino, City Of	120.761	-	-	-	-				-											\$ -
Cucamonga Valley Water District	229.463	-	-	-	-				-											\$ -
Desalter Authority	-	-	-	-	-				-											\$ -
Fontana Union Water Company	172.730	-	-	-	-				-											\$ -
Fontana Water Company	219.655	-	-	-	-				-											\$ -
Fontana, City Of	-	-	-	-	-				-											\$ -
Golden State Water Company	13.962	-	-	-	-				-											\$ -
Jurupa Community Services District	341.870	200.000	200.000	-	-				200.000											\$ 131,000.00
Marygold Mutual Water Company	35.911	-	-	-	-				-											\$ -
Monte Vista Irrigation Company	18.285	-	-	-	-				-											\$ -
Monte Vista Water District	252.474	-	-	-	-				-											\$ -
NCL Co, LLC	-	-	-	-	-				-											\$ -
Niagara Bottling, LLC	30.293	-	-	-	-				-											\$ -
Nicholson Trust	0.104	-	-	-	-				-											\$ -
Norco, City Of	5.453	-	-	-	-				-											\$ -
Ontario, City Of	689.378	-	-	-	-				-											\$ -
Pomona, City Of	482.095	-	-	-	-				-											\$ -
San Antonio Water Company	48.978	-	-	-	-				-											\$ -
San Bernardino County Shtg Prk	0.214	-	-	-	-				-											\$ -
Santa Ana River Water Company	36.176	-	-	-	-				-											\$ -
Upland, City Of	106.422	-	-	-	-				-											\$ -
West End Consolidated Water Company	25.605	-	-	-	-				-											\$ -
West Valley Water District	17.411	-	-	-	-				-											\$ -
Total	2,963.542	200.000	200.000	-	-	0.000%	-	-	200.000											\$ 131,000.00

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]	[N]	[O]	[P]	[Q]	[R]	[S]	[T]	[U]
	As Provided On CBWM Notice To Parties	As Stated On Form By Party	Copied From [B] If Purchasing Water	= [C] - [D]	Copied From [B] If Purchasing Water	Party's [F] Divided By Total [F]	= Iteration Amount Available * [G]	[H] or [E], Whichever Is Lesser	= [D] + [I]	Copied From [B] If Purchasing Water	Party's [K] Divided By Total [K]	= Iteration Amount Available * [L]	[M] or ([C] - [J]), Whichever Is Lesser	= [J] + [N]	Copied From [B] If Purchasing Water	Party's [P] Divided By Total [P]	= Iteration Amount Available * [Q]	[R] or ([C] - [O]), Whichever Is Lesser	= [O] + [S]	= [T] * \$/AF Cost

NOTE: Parties selling are using recycled water in lieu of pumping groundwater where available. Parties purchasing are current on assessments and in compliance with the OBMP.

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CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

E. INLAND EMPIRE UTILITIES AGENCY

1. MWD Update (Written)
2. State and Federal Legislative Reports (Written)
3. Community Outreach/Public Relations Report (Written)



CHINO BASIN WATERMASTER

ADVISORY COMMITTEE

March 21, 2019

INLAND EMPIRE UTILITIES AGENCY REPORTS

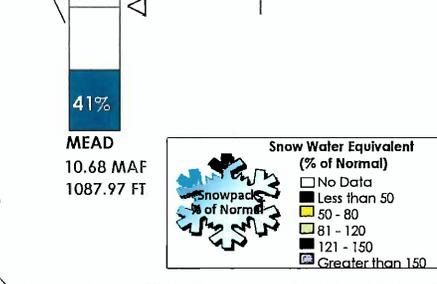
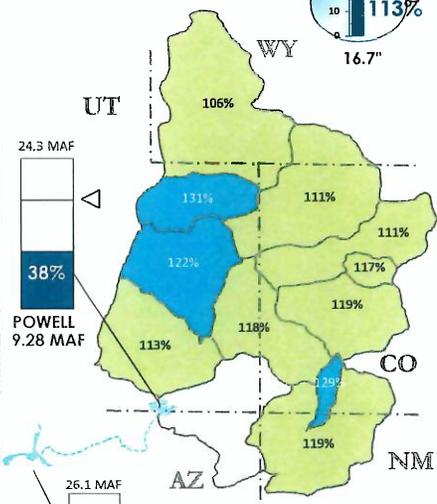
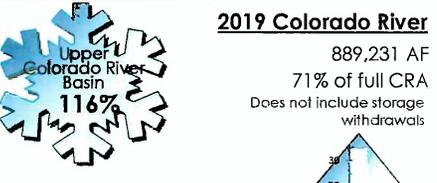
The following items are provided for receive and file.

- Water Supply Conditions
- State and Federal Legislative Reports
- Community Outreach/Public Relations Report

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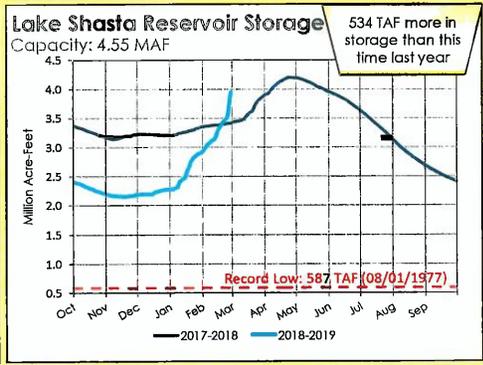
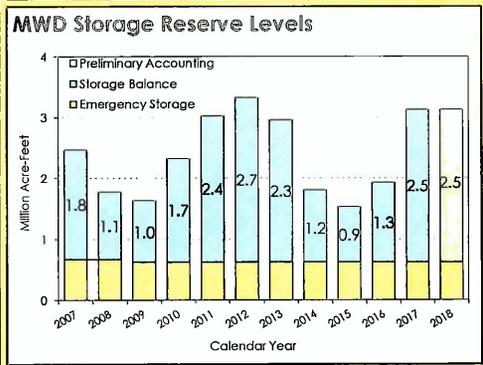
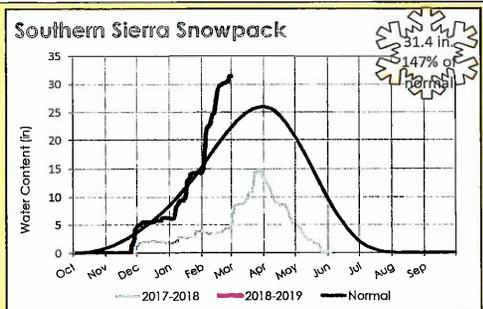
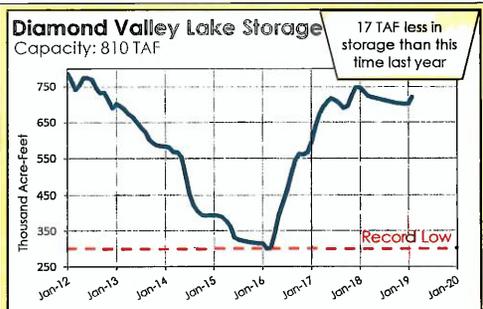
Water Supply Conditions Report

As of: 02/28/2019



Highlights

- Northern Sierra snowpack is at 152% of normal
- Upper Colorado River Basin snowpack is at 116% of normal
- Southern California precipitation above normal - Los Angeles (154% of normal) and San Diego (150% of normal)



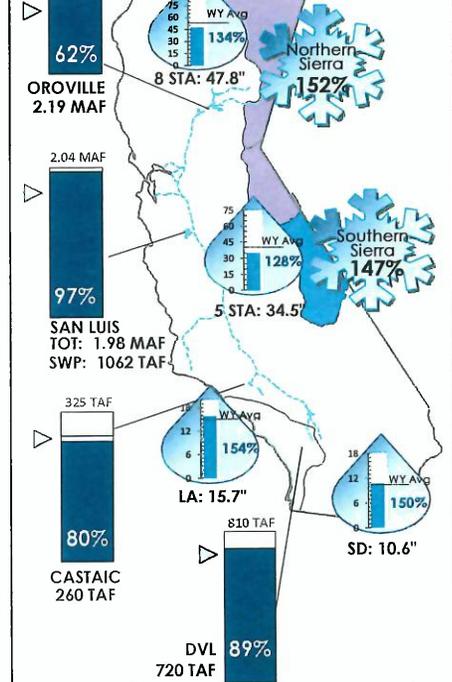
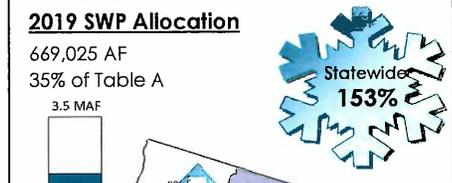
This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale.

<http://www.mwdh2o.com/WSCR>

This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters

Water Supply Conditions Report

As of: 02/28/2019



Legend:
 WY Avg, % Normal, WY to Date, Capacity, Average EOM, Current Storage (% Capacity)

Flip Over for CRA Data | Turn page for more SWP Data

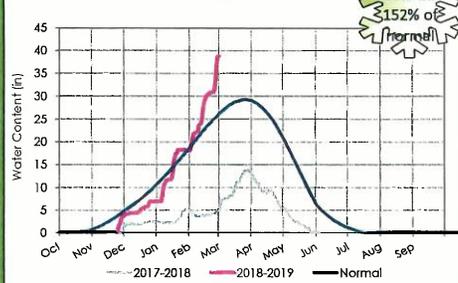
P85

Turn page for more CRA Data | Flip Over for SWP Data

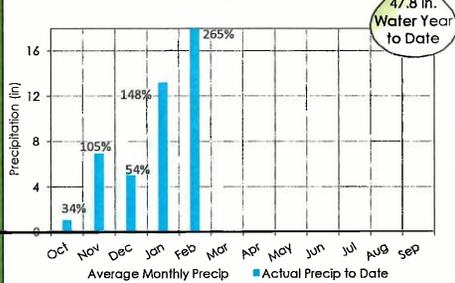
As of: 02/28/2019

State Water Project Resources

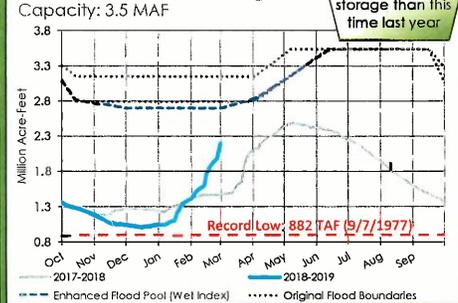
Northern Sierra Snowpack



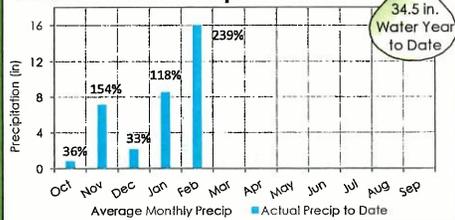
8 Station Index Precip



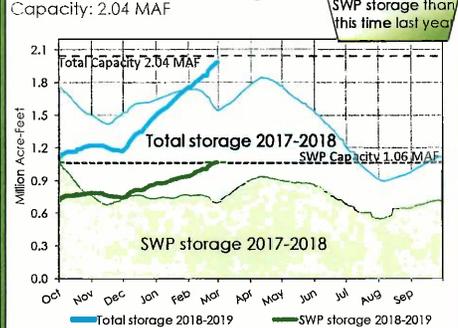
Oroville Reservoir Storage



5 Station Index Precip



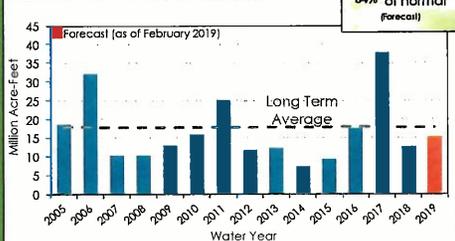
San Luis Reservoir Storage



Other SWP Contract Supplies for 2019 (AF)

Transfer/Exchanges	TBD
Pool A/B (Purchased)	TBD
Carryover Supplies	256,000

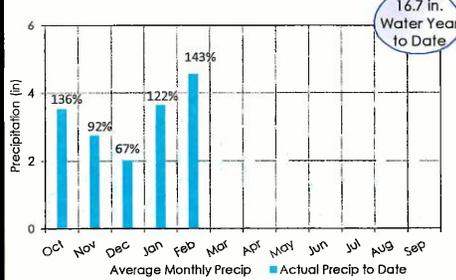
Sacramento River Runoff



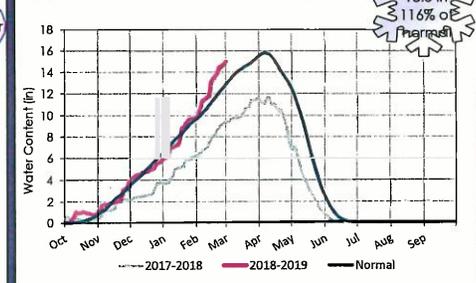
Colorado River Resources

As of: 02/28/2019

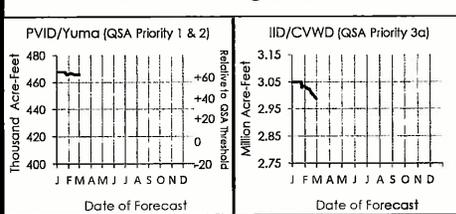
Upper Colorado Basin Precip



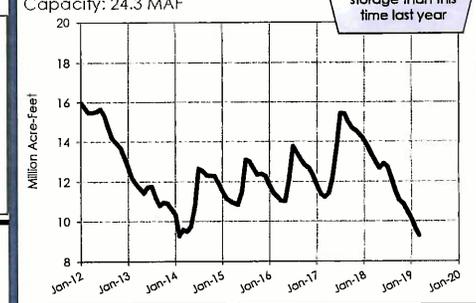
Upper Colorado Basin Snowpack



2019 Colorado River Ag Use



Lake Powell Storage

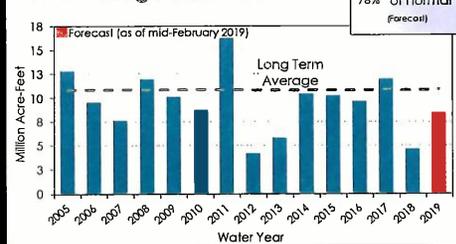


Lake Mead Shortage/Surplus Outlook

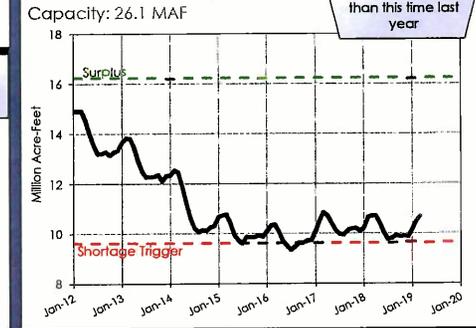
	2019	2020	2021	2022	2023
Shortage	0%	69%	82%	81%	79%
Surplus	0%	0%	0%	1%	4%

Likelihood based on results from the January 2019 MTOM/CRC's model run.

Powell Unregulated Inflow



Lake Mead Storage





March 1, 2019

To: Inland Empire Utilities Agency

From: Michael Boccadoro
Beth Olhasso
Maddie Munson

RE: February Report

Overview:

California's water supply picture has dramatically changed over the last few weeks with several storms. The statewide snowpack is over 150 percent of normal and almost all major reservoirs are at or above historic levels for this time of year. State Water Project Allocations were recently increased to just a paltry 35 percent despite the significant precipitation and snowpack levels.

The water community has also been closely watching potential regulatory changes with the operation of the Central Valley Project and the State Water Project as the Bureau of Reclamation made the first step in a lengthy update of Endangered Species Act regulations for the projects. The changes could bring increased operational flexibility but will face challenges from the environmental community.

In his inaugural State of the State address Governor Newsom proved yet again that his style couldn't be more different than former Governor Jerry Brown. The dynamic Governor outlined the most ambitious agenda since World War II including significant detail on priorities and key personnel who would help him implement his vision. The most significant change comes from the Governor replacing Felicia Marcus with Joaquin Esquivel as the chair of the State Water Resources Control Board, and Laurel Firestone, an environmental justice advocate, taking Felicia's seat on the Board. The departure of Marcus leaves a significant vacuum on the Board as Firestone has nowhere near the depth of knowledge or experience with the wide range of issues that come before the Board.

Members have introduced over 2,500 bills for the first year of the 2019-2020 legislative session. It is clear that it will be a very busy year for water. Clean, safe and affordable drinking water is the hot-topic right out of the gate with a trailer bill proposal from the Governor, a joint alternative proposal from the Association of California Water Agencies and the California Municipal Utilities Association, and a complementary proposal from Eastern Municipal Water District. Senator Bob Hertzberg (D-Van Nuys) has revived his old "ocean discharge" bill and is proposing to eliminate 95 percent of ocean discharge from POTWs by 2040. Protecting property tax passthrough payments will again be a priority issue in 2019, as well as ensuring special district reserves are protected and not capped. Proposals to reduce emissions from special district vehicle and truck fleets are expected and energy will again be a hot topic with major proposals including a centralized electricity procurement entity and ongoing wildfire concerns. Finally, there is already at least one attempt to disrupt WaterFix through burdensome procedural delays, and more are expected.

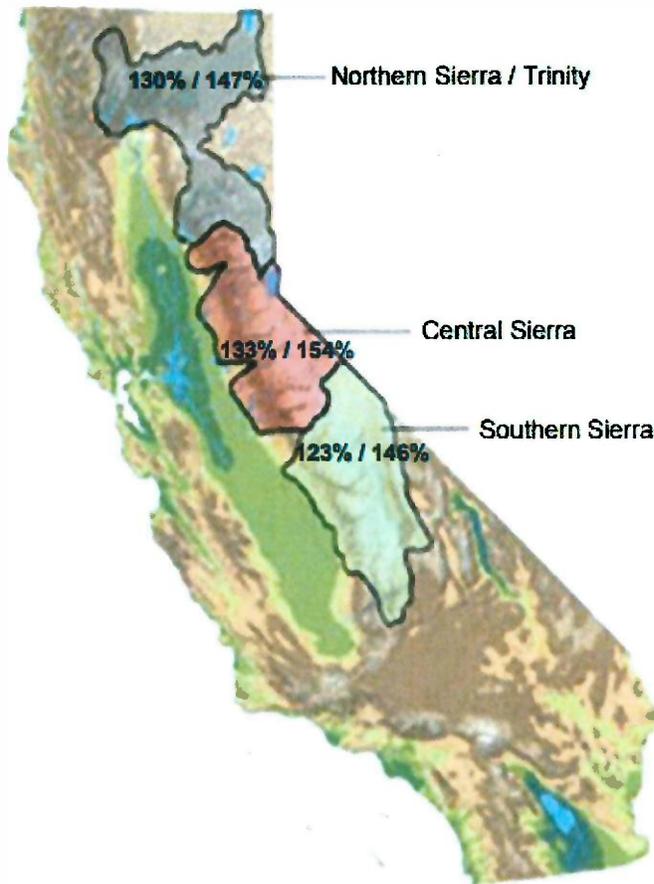
Inland Empire Utilities Agency Status Report – February 2019

Water Supply Conditions

February is typically the wettest month of the year in California, and this year has definitely not deviated from that pattern. A barrage of storms coming from an atmospheric river have pushed state snowpack and precipitation levels well over annual averages. While the rain and snow are certainly welcomed, the relentless storms are now causing flooding, landslides and road closures up and down the state.

The State Water Project allocation was increased to 35 percent, which still seems remarkably low giving the abundant levels of snow and reservoir storage.

% of April 1 Average / % of Normal for This Date



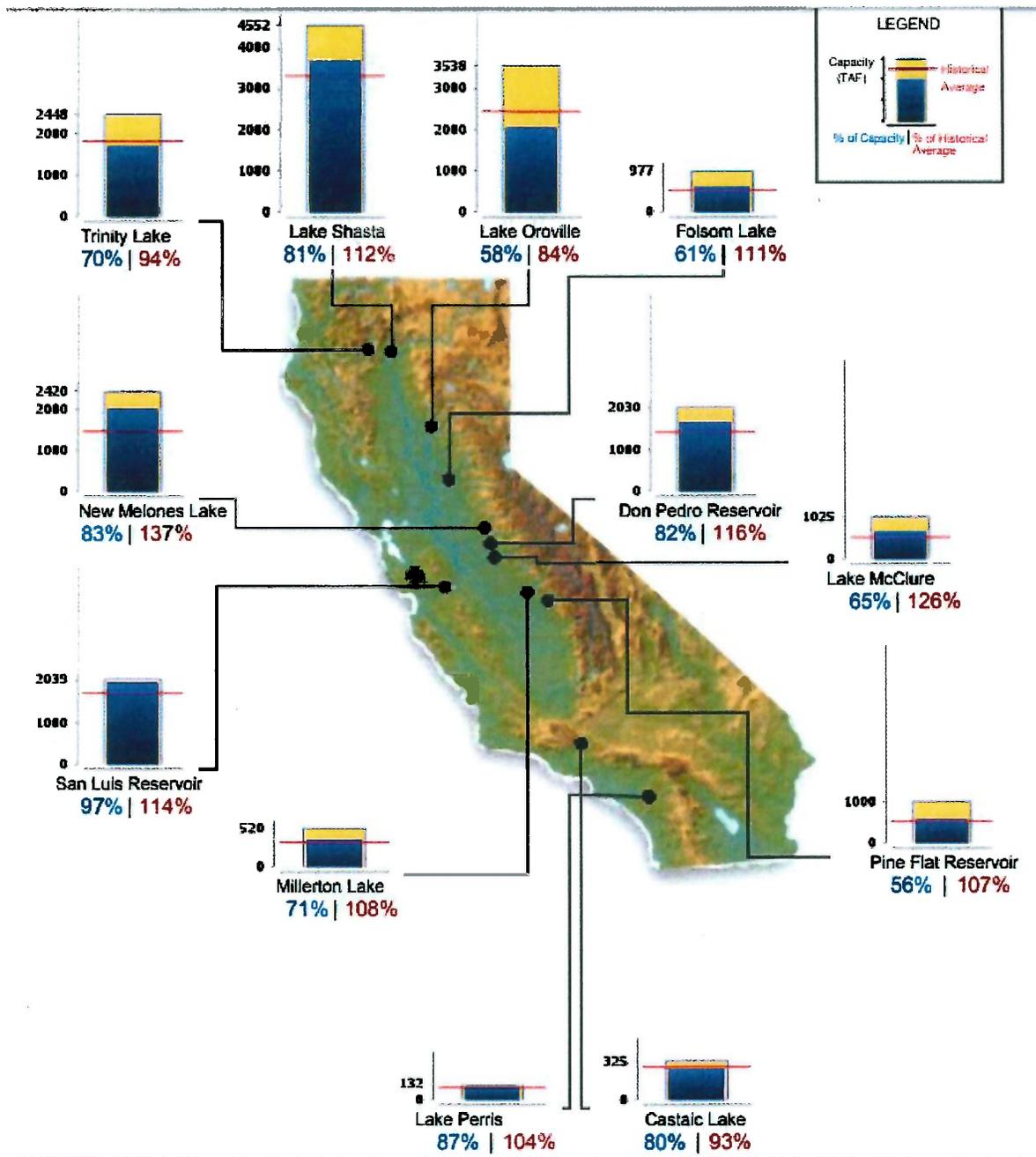
NORTH	
Data as of February 27, 2019	
Number of Stations Reporting	30
Average snow water equivalent (inches)	37.3
Percent of April 1 Average (%)	130
Percent of normal for this date (%)	147

CENTRAL	
Data as of February 27, 2019	
Number of Stations Reporting	44
Average snow water equivalent (inches)	39.0
Percent of April 1 Average (%)	133
Percent of normal for this date (%)	154

SOUTH	
Data as of February 27, 2019	
Number of Stations Reporting	28
Average snow water equivalent (inches)	31.0
Percent of April 1 Average (%)	123
Percent of normal for this date (%)	146

STATE	
Data as of February 27, 2019	
Number of Stations Reporting	102
Average snow water equivalent (inches)	36.3
Percent of April 1 Average (%)	130
Percent of normal for this date (%)	151

Statewide Average: 130% / 151%



Bureau of Reclamation Issues New Biological Assessments for CVP & SWP Operations

The U.S. Bureau issued a new biological assessment (BA) on January 31, 2019. This is the first official step in complying with the federal Endangered Species Act to implement new pumping rules for the Central Valley Project and State Water Project. Reclamation issued the BA following the President’s October 2018 memorandum, which directed the Fisheries Agencies to complete new Biological Opinions (BiOps) for Delta operations by the middle of 2019.

The new BiOps come a decade after the existing operation rules. Despite the substantial environmental requirements in the existing BiOps, Delta smelt and winter-run Chinook salmon have continued to

decline. Over the last ten years there has been significant development of new scientific insights as to the behavior of the estuary and the many stressors facing native endangered fish.

Based on the proposed action, Reclamation anticipates an average water supply benefit over current operations of 500,000 acre-feet annually. This is a function of the more flexible operational criteria described above.

In the BA's analysis comparing the environmental baseline to the proposed action, Reclamation concludes that there will be net benefits for winter-run Chinook salmon, spring-run Chinook salmon, Central Valley steelhead, coho salmon, and green sturgeon. Reclamation also concludes that there will be effects on delta smelt, with some benefits. The next step is for the federal Fisheries Agencies to issue its BiOps based on the just released BA.

The Department of Water Resources has committed to follow a similar process under the state Endangered Species Act for all state-listed species. This permitting process is expected to proceed roughly parallel with the federal effort. It is possible, but uncertain, whether the California Department of Fish and Wildlife will impose additional restrictions on the State Water Project beyond those imposed on both projects under the federal ESA.

Overall, users south of the Delta are cautiously optimistic of the new BAs, although there will almost certainly be legal challenges to more flexible operational rules for Delta.

Governor's Office Update

About six weeks into office, Governor Newsom continues to make steady progress building his team and laying out his new agenda. Healthcare, housing and education continue to be among his top priorities, but water and energy issues continue to remain priorities with PG&E's bankruptcy and a lack of clean drinking water for some of the poorest Californians.

In Newsom's inaugural State of the State address, he confirmed his commitment to solving the clean drinking water deficiencies as well as the issues plaguing the Delta. Newsom committed to finding a solution to the current Delta reliability issues but announced that he does not support the current iteration of the WaterFix and instead will pursue a one-tunnel option. Before that, he said he wants to "cross the finish line on real agreements to save the Sacramento-San Joaquin Bay Delta," a clear nod to the Voluntary Settlement Agreement process.

In the address, the Governor also reiterated his commitment to navigating the PG&E bankruptcy in a way that will prioritize energy reliability, wildfire victims, rate payers and utility employees. He announced a strike team that will develop a strategy within the next 60 days. He wrapped up his comments on energy issues by highlighting the need to take a larger look at the energy sector in light of climate change and an ever-changing energy market.

Water Appointments

During a budget press conference his first week on the job, Newsom hinted that there would be changes at the State Water Resources Control Board. The new Governor confirmed those changes during his first State of the State address, announcing the Joaquin Esquivel would be the new chair of the board. Esquivel was a Brown appointee, but the departure of the prior chair, Felicia Marcus, left an opening on the board. Newsom appointed Laurel Firestone to fill the open seat.

Firestone is known in the water community for her efforts with the Center for Race, Poverty and the Environment and the Community Water Center. Most recently, CWC has been heavily engaged in securing funding to address the lack of clean drinking water in portions of California. Firestone, is expected to be extremely tough on water quality issues.

Energy Appointments

Newsom also announced new leadership for the California Energy Commission. As anticipated by many, David Hoschild was designated as chair of the California Energy Commission. Hoschild has been a member of the CEC since 2013 and took over the chair role from Dr. Robert Weisenmiller. The Governor also designated Janea Scott as the Vice Chair of the Commission.

Legislative Update

The February 22 bill introduction deadline has left us with about 1800 Assembly bills and close to 800 Senate bills. While many are in “spot bill” format, it is clear that this will be a significant year for water legislation.

Clean, Safe and Affordable Drinking Water:

As expected, there are a significant number of bills aimed at ensuring all Californian’s have access to clean, safe and affordable drinking water. As noted above, the Governor made it very clear that this is a top priority for him this year. While the Democrats have a significant super majority in the Assembly, there is a lot of buzz around the Capitol that there are a number of Democrats that are uncomfortable with voting for a tax. The recall of Senator Josh Newman remains fresh in the minds of those members who are in very close districts. Many will be wary to cast a vote for a tax, so some of the alternative proposals discussed below will have the opportunity to be a significant part of the discussion.

Administration’s Budget Trailer Bill: The Governor has released language for a budget trailer bill that closely mirrors the language from 2018’s SB 623 (Monning) that would institute a \$.95 per month fee on residential water users and impose other fees on agricultural operations. ACWA and many water agencies strongly oppose this proposal as well as the use of a budget trailer bill to accomplish the fee.

SB 669 (Caballero): Safe Drinking Water Trust: Sponsored by ACWA and the California Municipal Utilities Association (CMUA), SB 669 would use a one-time infusion of general fund cash to establish a trust which revenue would be transferred to the Safe and Affordable Drinking Water Fund for administration by the State Water Resources Control Board.

ACA 3 (Mathis, E. Garcia): Minimum Funding Guarantee for Water: This Constitutional Amendment would require two percent of state revenues to be set aside for water. The named uses are not just for clean drinking water, but for all types of water conveyance, cleanup, recycling, groundwater cleanup, storage and others. As a Constitutional Amendment it requires a two-thirds vote.

Other Bills: There are a number of other bills that have been introduced, mostly spot bills, that WCA will include in reports if they get substantive language and start moving forward. Senator Monning’s vehicle is SB 200, which only currently establishes the trust account at the state board, but does not include any fees that were in SB 623.

SB 414 (Caballero): Small System Water Authority Act of 2019: SB 414 is Eastern Municipal Water District’s re-introduction of AB 2050 (Caballero) from 2018. The bill addresses the drinking water issue from a different angle than the funding bills do. SB 414 looks at how to manage districts with failing water systems and establish a new category of public water agency by way of merging formerly non-compliant drinking water systems in order to sustainably provide the technical, managerial, and financial capabilities necessary to ensure the consistent delivery of safe drinking water. In 2018 the bill made it all the way to the Governor’s desk before getting vetoed.

Ocean Discharge:

Senator Bob Hertzberg (D-Los Angeles) has introduced SB 322 which seeks to eliminate 95 percent of ocean discharges by 2040. This bill is similar to a “gut-and-amend” the Senator attempted in 2017, SB 163, which ultimately failed. As in inland agency, IEUA isn’t directly targeted in this legislation. However, there are significant concerns because the bill has no considerations for brine. SAWPA is responsible for six percent of Orange County Sanitation District’s discharges currently and is planning to increase that to 25-30 percent in coming years. With brine being a byproduct of recycling water, the bill is at odds with itself. WCA staff have met with the Senator’s staff and they are aware of the issue and claim they will work with stakeholders to address it. They did make it very clear they intentionally introduced this bill early to allow for a long stakeholder process.

The Senator and the sponsor of the bill, the Natural Resources Defense Council (NRDC), do have a little more regulatory backing on their side this year. As reported late last year, the State Water Resources Control Board updated its Recycled Water Policy which includes language to promote POTWs to reuse as much water as possible. While the goal is aspirational and not a mandate, it helps to further the Senator’s argument that eliminating ocean discharge is of significant importance to the state.

Recycled Water:

AB 292 (Quirk): AB 292 builds on previous legislation, AB 574 (Quirk, 2017) which IEUA supported, and recent work by the SWRCB to remove the terms “direct potable reuse” and “indirect potable reuse”, in order to align the terms with how the water agencies are using recycled water. AB 574 (Quirk) created four distinct types of potable reuse projects – “Indirect Potable Reuse for Groundwater Recharge”, “Reservoir Water Augmentation”, and Direct Potable Reuse, which includes two subcategories, “Raw Water Augmentation” and “Treated Drinking Water Augmentation.” With the more precise definitions added by AB 574, the terms “indirect” and “direct” only add to confusion about potable reuse and proposed projects. The term “Direct Potable Reuse” also implies that purified recycled water is going directly into the drinking water supply, which is not the case with Raw Water Augmentation projects. For example, opponents of a groundwater recharge project in the Central Coast incorrectly labeled the project “Direct Potable Reuse” and the confusion in the statute made this difficult to correct. This bill is sponsored by WaterReuse California.

AB 1180 (Friedman): AB 1180 will require the SWRCB to update the state’s non-potable recycled water regulations by 2023. These regulations have not been revised since 2000. An update to these regulations, incorporating the knowledge and lessons learned from nearly two decades of non-potable water recycling, will help the state to achieve its ambitious goals for recycled water use. The bill also promotes recycled water use for dual plumbed building and for commercial, industrial and institutional (CII) uses by requiring the Water Board, through its update of Title 17 backflow regulations, to include the use of a change over device, such as a swivel ell. This bill is also sponsored by WaterReuse.

State Water Project:

SB 204 (Dodd): SB 204 would seek to insert additional transparency and the sharing of information regarding future State Water Project Contract Amendments. If successful, this bill would significantly delay action on WaterFix and would be detrimental to any future SWP contract amendments. MWD and the State Water Contractors are seeking amendments to limit the timelines set in the bill so there isn’t an open-ended window in which the contracts could be delayed.

Wastewater Treatment:

AB 1672 (Bloom) is a spot bill intending to address flushable wipes. While the language isn't yet available for this bill, this will be an important bill for the POTW community, as flushable wipes have been a significant issue for POTWs. WCA will work with CASA and others on this legislation.

There are two other wastewater treatment-related spot bills worth noting. *AB 129 (Bloom)* relates to microfibers and *AB 223 (Stone)* relates to microplastics. It will be important to watch these bills to see if they attempt to make POTWs the "catch point" for these micro-wastes.

Energy/Emissions

There aren't any specific energy bills to highlight at this moment. WCA is closely following a number of big issues and will report on how they might affect IEUA. The big energy topics of the year include:

- Western Regional Grid
- Statewide central electric procurement entity
- Changes to the Renewable Portfolio Standard
- Wildfire impacts on energy rates and de-energization
- Restrictions on emissions from light, medium and heavy-duty trucks/public agency fleets

WCA will keep staff and the Board apprised as these issues as they emerge throughout the session.

Special District Issues:

Accessory Dwelling Units (ADU): With a significant focus on affordable housing in the state, there are a number of bills to make it easier for ADUs to be permitted and built in the state. It is unclear which bill is going to emerge as *the ADU bill of the year*, but WCA is monitoring all of them with an eye on how they might treat "connection fees." This is a top priority issue for the statewide water organizations as several bills from last year attempted to waive all the connection fees for ADUs. Water agencies were able to bring significant attention to the issues that would create under Proposition 218 and will continue to advocate for water/sewer connection fees to be excluded from any exemptions.

Redevelopment 2.0: There are a few members who have started the process to reintroduce Redevelopment Agencies (RDA) back in to California. The Governor has said clearly that he is not interested in RDA 2.0, but that won't likely stop its proponents. As always, WCA will work with Christina Valencia, staff and the California Special Districts Association on any RDA 2.0 attempts that try to take away special district passthrough revenue.

WCA will work with staff and the legislative committee in the coming weeks to identify the priority bills for the agency.

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State Legislation

Bill Number	Sponsor	Title and/or Summary	Summary/Status	IEUA Position
SB 204	Dodd	State Water Project: Contracts	Would require the Department of Water Resources to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of project-wide significance with substantially similar terms intended to be offered to all contractors, or that would permanently transfer a contractual water amount between contractors.	
SB 414	Caballero Eastern MWD/ CMUA	Small System Water Authority Act of 2019	Would create the Small System Water Authority Act of 2019 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems. The bill, no later than March 1, 2020, would require the state board to provide written notice to cure to all public agencies, private water companies, or mutual water companies that operate a public water system that has either less than 3,000 service connections or that serves less than 10,000 people, and are not in compliance, for the period from July 1, 2018, through December 31, 2019, with one or more state or federal primary drinking water standard maximum contaminant levels, as specified.	
SB 332	Hertzberg NRDC	Ocean Discharge	Would declare, except in compliance with the bill's provisions, that the discharge of treated wastewater from ocean outfalls is a waste and unreasonable use of water. The bill would require each wastewater treatment facility that discharges through an ocean outfall and affiliated water suppliers to reduce the facility's annual flow as compared to the average annual wastewater discharge baseline volume, as prescribed, by at least 50% on or before January 1, 2030, and by at least 95% on or before January 1, 2040. The bill would subject the owner or operator of a wastewater treatment facility, as well as the	

			affiliated water suppliers, to a civil penalty of \$2,000 per acre-foot of water above the required reduction in overall volume discharge for the failure to meet these deadlines.	
SB 669	Caballero ACWA/CMUA	Safe Drinking Water Trust	Would establish the Safe Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the State Water Resources Control Board. The bill would require the state board to administer the fund to assist community water systems in disadvantaged communities that are chronically noncompliant relative to the federal and state drinking water standards and do not have the financial capacity to pay for operation and maintenance costs to comply with those standards, as specified.	

Bill Number (linked to the legislation on Congress.gov)	Sponsor/ Cosponsor	Title and/or Summary	Summary/Status	Latest Action
H.J.Res.31	Rep. Lucille Roybal-Allard (D-CA)	Consolidated Appropriations Act, 2019 (Conference Reports for the Agriculture, Commerce-Justice-Science, Financial Services-General Government, Interior-Environment, State-Foreign Operations, and Transportation-HUD Appropriations bills).	The House and Senate came to an agreement on a Conference Report for the 7 remaining FY19 appropriations bills after holding an official conference on the FY19 Homeland Security Appropriations bill. The Homeland Security section contained approximately \$1.3 billion for border fencing in the Rio Grande Valley of Texas and a slight reduction in funding for ICE detention beds. The other 6 appropriations bills contained conference reports similar to those that had been previously released.	The bill was introduced on January 22nd and was passed by both the Senate and the House before being signed into law on February 15th. This bill's enactment finalized full year funding for all federal agencies for fiscal year 2019 through September 30, 2019.
S.47	Sen. Lisa Murkowski (R-AK)	Natural Resources Management Act	This bill sets forth provisions regarding various programs, projects, activities, and studies for the management and conservation of natural resources on federal lands. Specifically, the bill addresses: Land conveyances, exchanges, acquisitions, withdrawals, and transfers; national parks, monuments, memorials, wilderness areas, other conservation and recreation areas; and federal reclamation projects. For California, the legislation included the Santa Ana River Wash Plan Land Exchange Act and the California Desert Protection and Recreation Act of 2019, which was a compromise between individual bills introduced by Senator Dianne Feinstein and Congressman Paul Cook in previous Congresses.	Introduced in the Senate on January 8th. The legislation passed the Senate by a vote 92 - 8 on February 12th. The measure was then taken up by the House and passed by a vote of 363-62. The bill is now waiting to be signed by the President.
S.67/ H.R. 376	Sen. Dianne Feinstein (D-CA)/ Rep. Paul Cook (R-CA-08)	California Desert Protection and Recreation Act of 2019	This bill would provide for conservation, enhanced recreation opportunities, and development of renewable energy in the California Desert Conservation Area.	Introduced in the Senate on January 9th. Included as a provision in S.47, the National Resources Management Act, which Congress passed in February, therefore the stand alone bill will not move.
H.R. 268	Rep. Nita Lowey (D- NY)	Supplemental Appropriations Act, 2019	This bill provides \$12.1 billion in FY2019 supplemental appropriations to several federal departments and agencies for expenses related to the consequences of recent wildfires, hurricanes, volcanos, earthquakes, typhoons, and other natural disasters. The funding provided by this bill is designated as emergency spending, which is exempt from discretionary spending limits and other budget enforcement rules.	Passed the House on January 16th; awaits Senate action
S.572	Sen. David Perdue (R-GA)	Additional Supplemental Appropriations for Disaster Relief, 2019	This bill provides \$13.6 billion in FY2019 supplemental appropriations to several federal departments and agencies for expenses related to the consequences of recent wildfires, hurricanes, volcanos, earthquakes, typhoons, and other natural disasters. The funding provided by this bill is designated as emergency spending, which is exempt from discretionary spending limits and other budget enforcement rules. This bill was crafted as a compromise between the Senate and the White House to resolve issues related to disaster aid to Puerto Rico.	Introduced in the Senate on February 26. This is expected to be the supplemental appropriations package that moves in the House and Senate.

S. 146	Sen. John Hoeven (R-ND)	Move America Act of 2019	A bill to amend the Internal Revenue Code of 1986 to provide for Move America bonds and Move America credits, which provide tools to finance additional transportation, water, and information infrastructure capital investments through an approach that provides assistance for financing of infrastructure to all States, rural and urban.	Introduced in the Senate on January 16th
H.R.1162	Rep. Grace Napolitano (D-CA)	Water Recycling Investment and Improvement Act	This legislation would create a competitive grant program for the funding of water recycling and reuse projects by raising the authorization cap for the Title XVI program from \$50 million to \$500 million. The legislation would also raise the authorization cap from \$20 million to \$30 million for the Reclamation Wastewater and Groundwater Study and Facilities Act.	Introduced in the House on February 13.
S. 40	Sen. John Barrasso (R-WY)	Bureau of Reclamation Transparency Act	The bill would require the Secretary of the Interior to submit to Congress a report on the efforts of the Bureau of Reclamation to manage its infrastructure assets; which would include facilities, buildings, structures, project features, power production equipment, recreation facilities, or quarters.	Introduced in the Senate on January 8th. Included as a provision in S.47, the National Resources Management Act, which Congress passed in February, therefore the stand alone bill will not move.
S. 308/ H.R. 1067	Sen. Dianne Feinstein (D-CA)/ Pete Aguilar (C-CA-31)	Santa Ana Wash Plan Land Exchange Act	The bill would direct the Secretary of the Interior to convey certain Federal lands in San Bernardino County, California, to the San Bernardino Valley Water Conservation District, and to accept in return certain non-Federal lands, and for other purposes.	Introduced in the Senate on January 31st and was referred to the Senate Committee on Energy and Natural Resources. Introduced in the House on February 7th and was referred to the House Committee on Natural Resources. Included as a provision in S.47, the National Resources Management Act, which Congress passed in February, therefore the stand alone bill will not move.
H.R.579	Rep. Scott Tipton (R-CO-3)	Water Rights Protection Act of 2019	This bill would prohibit the conditioning of any permit, lease, or other use agreement on the transfer of any water right to the United States by the Secretaries of the Interior and Agriculture, and for other purposes.	Introduced in the House on January 15th
H. R. 855	Rep. Scott Peters (D-CA-52)	STRONG (Strengthening the Resiliency of our Nation on the Ground Act) Act	The bill would work to minimize the economic and social costs resulting from losses of life, property, well-being, business activity, and economic growth associated with extreme weather events by ensuring that the United States is more resilient to the impacts of extreme weather events in the short- and long-term, and for other purposes.	Introduced in the House and referred to the Subcommittee on Economic Development, Public Buildings, and Emergency Management on February 7th.
S. 361/HR 807	Sen. Cory Gardner (R-CO)/ Rep. Ken Buck (R-CO-04)	Water and Agriculture Tax Reform Act of 2019	The measure would work to amend the Internal Revenue Code of 1986 to facilitate water leasing and water transfers to promote conservation and efficiency.	Introduced on February 6th and referred to the Senate Committee on Finance.
H.R. 420	Rep. Earl Blumenauer (D-OR)	Regulate Marijuana Like Alcohol Act	The bill would decriminalize marijuana and sets up a legal framework to regulate marijuana.	Introduced in the House on January 8th.

S.420 /H.R. 1120	Sen. Ron Wyden (D-OR)/ Rep. Earl Blumenauer (D-OR-3)	Marijuana Revenue and Regulation Act	A bill to amend the Internal Revenue Code of 1986 to provide for the taxation and regulation of marijuana products, and for other purposes.	The bill was introduced in the Senate on February 14th and was referred to the Committee on Finance. Introduced in the House on February 14th and was referred to the Committees on Judiciary, Energy and Commerce, Natural Resources and Agriculture.
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MEMORANDUM

To: Kathy Besser

From: Letitia White, Jean Denton, Drew Tatum, Shavenor Winters

Date: March 1, 2019

Re: February Monthly Legislative Update

Congress Funds Government, Border Emergency Declared

After weeks of formal negotiations between the House and Senate via a Conference Committee, on Wednesday, February 13 Congress introduced a 1,159-page bill to fund a quarter of the federal government for the remainder of fiscal year 2019 and prevent another partial government shutdown.

The legislation wrapped together seven FY19 appropriations bills that were previously funded by a continuing resolution (CR) that was set to expire February 15, 2019. Those bills include: Agriculture, Commerce-Justice-Science, Homeland Security, Interior-Environment, State-Foreign Operations, and Transportation-Housing and Urban Development. Those agencies experienced a lapse in appropriations in December through the enactment of three-week continuing resolution in January over disagreements on funding for President Donald Trump's proposed border wall.

The measure passed the Senate late on Thursday, February 14 by a vote of 83-16. The House followed suit late into the night passing the legislation by a vote of 300 to 128. Despite uncertainty and frustration over lack of increased funding for border barriers, the President signed the legislation.

The Agriculture appropriations bill was funded at \$23 billion in discretionary funding, which is \$32 million more than in fiscal 2018; Commerce-Justice-Science was funded at \$71.5 billion in discretionary funding, \$1.6 billion more than fiscal 2018; Financial Services was \$23.4 billion in discretionary funding, equal to the fiscal 2018 level. Homeland Security, where the border wall funding was included, totaled \$49.4 billion in discretionary funding, \$1.7 billion more than fiscal 2018. The Interior-Environment appropriation bill included \$35.6 billion in discretionary funding, \$300 million more than fiscal 2018; State and Foreign Operations was funded at \$54.2 billion in discretionary funding, including \$8 billion in Overseas Contingency Operations, which are funds that are not subject to spending caps. Overall, that's \$200 million more than in fiscal 2018. Finally, Transportation-Housing and Urban Development was funded at \$71.1 billion in discretionary funding, \$1 billion more than fiscal year 2018.

The funding deal includes \$1.375 billion for physical barriers along the U.S.-Mexico border — below the \$5.7 billion requested by President Donald Trump.

The new funding level was sold to the President as a “down payment” on his proposed border wall in what will be a multi-year effort by many Republican lawmakers. The money will allow for roughly 55 miles of fencing in the Rio Grande Valley sector: 11 miles of levee pedestrian fencing and 44 miles of primary pedestrian fencing.

The measure places restrictions on where and what kind of fencing can be built, limiting it to types of barriers already in use.

It also prohibits using fiscal 2019 or previous years' funding for constructing pedestrian fencing in the Santa Ana Refuge, La Lomita Historical Park, Bentsen-Rio State Park, National Butterfly Center, the Vista del Mar and other points east in Texas.

The legislation includes \$100 million for technology associated with the barriers, plus \$564 million in non-invasive vehicle scanning technology at ports of entry.

The legislation also aims to reduce the number of detention beds from the current level of 49,060 to last year’s amount of 40,520, but Republicans argue that the administration will have the ability to move as much as \$750 million of funds around from DHS operations to increase the number of beds, a move Democrats say would test legal boundaries and pull funds from other national security priorities.

As a reminder, below is a chart that quickly highlights key agencies that are now fully funded as a result of President Trump signing the seven-bill spending package.

Spending Bill	Covered Agencies	
Agriculture-FDA	<ul style="list-style-type: none"> FDA Agriculture Department <ul style="list-style-type: none"> Agricultural Marketing Service Agricultural Research Service 	<ul style="list-style-type: none"> Animal and Plant Health Inspection Service Farm Service Agency Food Safety and Inspection Service Commodity Futures Trading Commission
Commerce-Justice-Science	<ul style="list-style-type: none"> Commerce Department <ul style="list-style-type: none"> Census Bureau National Oceanic and Atmospheric Administration Patent and Trademark Office 	<ul style="list-style-type: none"> Justice Department <ul style="list-style-type: none"> FBI Drug Enforcement Administration Bureau of Alcohol, Tobacco, Firearms & Explosives NASA
Financial Services-General Government	<ul style="list-style-type: none"> Treasury Department <ul style="list-style-type: none"> Internal Revenue Service Executive Office of the President Federal judiciary Federal Communications Commission 	<ul style="list-style-type: none"> General Services Administration Federal Trade Commission Office of Personnel Management Small Business Administration Securities and Exchange Commission U.S. Postal Service
Homeland Security	<ul style="list-style-type: none"> Homeland Security Department <ul style="list-style-type: none"> Customs and Border Protection Coast Guard 	<ul style="list-style-type: none"> Federal Emergency Management Agency Transportation Security Administration U.S. Immigration and Customs Enforcement
Interior-Environment	<ul style="list-style-type: none"> Environmental Protection Agency Interior Department <ul style="list-style-type: none"> Bureau of Indian Affairs Bureau of Land Management National Park Service 	<ul style="list-style-type: none"> U.S. Fish and Wildlife Service U.S. Geological Survey U.S. Forest Service Indian Health Service Smithsonian Institution
State-Foreign Operations	<ul style="list-style-type: none"> State Department Democracy Fund Millennium Challenge Corporation 	<ul style="list-style-type: none"> Peace Corps U.S. Agency for Global Media U.S. Agency for International Development
Transportation-HUD	<ul style="list-style-type: none"> Transportation Department <ul style="list-style-type: none"> Federal Aviation Administration Federal Highway Administration Federal Railroad Administration 	<ul style="list-style-type: none"> Federal Transit Administration Maritime Administration Housing and Urban Development Department

Following the signing of the legislation, the President signed a National Emergency Declaration and announced his plans to allocate nearly \$8 billion for construction of a border wall. In order to fund the wall, he will need to reprogram some \$3.5 billion in military construction funds. Defense officials have indicated that dollars meant for defense construction projects will be put in next year's defense budget to "replenish" funds diverted because of the National Emergency declaration.

President Trump, in announcing the declaration, said it was due to "an invasion of drugs, invasion of gangs, invasion of people." He pointed to unspent funds in fiscal years 2018 and 2019 Pentagon budgets as justification for taking the funds.

President Trump is using authorities from the National Emergencies Act (Public Law 94-412), which was passed by Congress in 1976. The law allows the House and Senate to terminate a declared emergency by passing a joint resolution using expedited procedures that prevent a filibuster and require a simple majority for passage.

A resolution must be reported out by the committee of jurisdiction within 15 calendar days and brought up for a floor vote within three days after it's reported. If one chamber passes the resolution, the other is required to take it up under the same expedited timeline.

With the House passing the resolution on Tuesday, February 26 by a vote of 245-182, the Senate will be forced to take up the measure. Majority Leader Mitch McConnell (R-KY) has said that the Senate will take it up before its scheduled March recess. There may be enough Republican Senators who join Democrats and send the resolution to the President, however President Trump has already said that he would veto the measure.

Each chamber would need a two-thirds majority to override the President. That threshold would be difficult to achieve even in the House, which Democrats control 235-197. In the original vote passing the resolution, only 13 Republicans joined Democrats in favor of terminating the declaration. By law, Congress is required to meet every six months to consider voting on a joint resolution to end a national emergency, though lawmakers have never met to consider such a vote.

With the House under Democratic control, lawmakers may choose to push the issue again later this year unless other action is taken by the White House or the courts—where challenges have already been filed by multiple states.

So far, no criteria for targeting projects has been announced. The military is rumored to be considering taking money from quality of life projects, such as changes and improvements to administrative offices, and from recapitalization programs. While the Pentagon remains busy consulting with lawmakers on its plans to pay for President Trump's border wall, but at least one pot of money appears to be off limits: military housing funds.

The declaration faces challenges on many fronts.

A group of Senate Democrats have introduced legislation that would prevent President Trump from using disaster relief funds to finance a wall along the southern border.

The Protecting Disaster Relief Funds Act would block the Administration from taking funds allocated to the Department of Homeland Security, the Department of Housing and Urban Development or the Army Corps of Engineers for disaster relief and using that money to construct physical barriers along the U.S.-Mexico border.

Following the declaration, several states have joined together to sue the President. As of Monday, February 19 the states included: California, Colorado, Connecticut, Delaware, Hawaii, Illinois, Maine, Maryland, Michigan, Minnesota, Nevada, New Jersey, New Mexico, New York, Oregon, and Virginia.

The suit, filed in U.S. District Court in San Francisco, argues that President Trump does not have the power to divert funds for constructing a border wall because Congress controls spending.

The states' lawsuit is likely to stall the emergency declaration and kick off protracted legal battles that could land before the Supreme Court. The case may not be resolved before 2020, bringing the border wall issue to the forefront of the 2020 election season.

Green New Deal in Senate

Senate Majority Leader Sen. McConnell could now bring up the Green New Deal resolution (S. J. Res. 8) to the Senate floor at any time as the chamber has been increasingly discussing the measure.

As you will recall, Representative Alexandria Ocasio-Cortez (D-NY) and Senator Ed Markey (D-MA) released a sweeping package of environmental measures earlier this month that has pitted progressives in the House Democratic caucus against moderates over how far to go in pursuit of resetting the climate change debate.

Among its provisions the plan calls for:

- A dramatic expansion of renewable energy, and energy and water efficiency upgrades for all existing U.S. buildings;
- Steps to secure clean air and water, climate resiliency, healthy food, access to nature, and a sustainable environment for future generations;
- An overhaul of the country's transportation system to eliminate pollution and emissions from the sector "as much as technologically feasible," with a nod to investment in zero-emission vehicles, public transit, and high-speed rail; and,
- Steps to lessen the effects of climate change, build a smart grid, clean up hazardous waste sites and restore threatened lands.

The plan has already gathered 60 co-sponsors in the House and has prompted strong opposition from Republicans and industry leaders who say it's technologically impossible and will cost tens of trillions of dollars.

While it has received a tepid response from House Speaker Nancy Pelosi, the proposal has little chance of gaining support in the Republican-controlled Senate, let alone be signed into law by President Donald Trump, and has revealed some rifts within the environmental movement. Given the lack of bipartisan support on the measure, critics of Leader McConnell's decision say he is only entertaining the bill in order to drive wedges between Democrats over their technoeconomic and energy policies.

In California, Senator Dianne Feinstein (D-CA) unveiled an outline for a less ambitious alternative to the Green New Deal after a tape was released showing her rejecting a push by children for her support of the plan as introduced by Markey and Ocasio-Cortez. "You come in here and say: 'It has to be my way or the highway. I don't respond to that,'" Feinstein said in remarks captured on video in her San Francisco office that were criticized on social media.

Feinstein has since backtracked on the proposal, saying she would be introducing a plan at a later date that "has to do with the science". The draft Feinstein walked back called for the elimination of greenhouse gas emissions by 2050, 20 years later than the original plan. The draft also called for achieving those reductions through a price on carbon.

Congresses Passes Lands Package

The Senate passed a combined conservation and public lands package Tuesday, February 12 that would revive the expired Land and Water Conservation Fund, created by Congress in the 1960s to fund land acquisition for parks using revenues from federal leases on offshore oil and gas drilling on the Outer Continental Shelf, and prevent the kind of funding lapses that have put efforts to add to wildlife refuges, national parks, and local biking and hiking trails on hold.

Senate passage brings to a close a nearly two-year effort to reauthorize the Land and Water Conservation Fund, which authorizes \$900 million a year—though Congress has in recent years appropriated only half that amount—to add parcels to Great Smoky Mountains National Park, wildlife refuges, and local hiking and biking trails.

This legislative vehicle that contains a number of California-specific provisions, including the compromise desert protection legislation, the California Desert Protection and Recreation Act of 2019, introduced by Senator Dianne Feinstein (D-CA) and Congressman Paul Cook (R-CA) and the Santa Ana River Wash Plan Land Exchange Act introduced by Representatives Cook and Aguilar (D-CA) in the House and Senator Feinstein in the Senate.

The Senate passed the measure (S. 47) by a vote of 92-8. The measure was then taken up by the House and passed by a vote of 363-62. The bill is now waiting to be signed by the President.

Pot Banking Gets Its First-Ever Congressional Hearing

The House's panel on Consumer Protection and Financial Institutions Subcommittee held the first-ever Congressional hearing on banking the cannabis industry this month with a focus on how marijuana-related companies could get increased access to financial services.

Continued regulatory uncertainty has left many banks skittish about serving the industry. Since pot remains illegal at the federal level, banks engaging a marijuana-related business must conduct substantial due diligence under the Bank Secrecy Act and anti-money laundering regulations. Failure to properly vet legal-marijuana businesses can also put an institution's federal deposit insurance at risk. The lack of services has forced dispensaries and others to make payroll and tax payments in cash, causing state officials to fret over public safety issues.

The subcommittee's chairman, Rep. Gregory Meeks (D-NY) wants to help the burgeoning cannabis industry move its green into the mainstream banking system.

A growing topic in Congress, this year several pieces of legislation have been introduced.

Rep. Earl Blumenauer (D-OR) has introduced a bill (H.R. 420) that would decriminalize marijuana, establish a federal marijuana permitting system, curb certain advertising practices, allow the FDA to regulate it.

Rep. Steve Cohen (D-TN) has introduced a bill (H.R. 127) that would defer to state marijuana laws, expand marijuana research, and authorize VA health providers to recommend best practices in states where marijuana is legal.

Rep. Lou Correa (D-CA) has introduced a bill (H.R. 493) that would prohibit the Justice Department from prosecuting individuals using marijuana in states where it is legalized. The bill has bipartisan cosponsors.

In the Senate, Senators Cory Booker (D-NJ), Kamala Harris (D-CA), Elizabeth Warren (D-MA), Ron Wyden (D-OR), Kirsten Gillibrand (D-NY), Bernie Sanders (I-VT), and Jeff Merkley (D-OR) reintroduced legislation on Thursday, February 28 that would end a federal prohibition on marijuana. In addition to making it legal at the federal level, the legislation would automatically expunge records of people who've served federal time for marijuana use and possession.

Supreme Court to Consider Federal Water Rules Case

The Supreme Court agreed this month to hear a major dispute with potentially far-reaching implications for how the federal government protects waterways from pollution.

The case, *County of Maui v. Hawaii Wildlife Fund*, challenges an appeals court's ruling that pollution discharged into groundwater that later flows into a navigable waterway can constitute a violation of the Clean Water Act.

Congress traditionally leaves regulation of navigable waterways up to the executive branch, while groundwater is regulated only by states. But the 9th U.S. Circuit Court of Appeals last year upheld the Environmental Protection Agency's (EPA) finding that pollution discharged from Maui County municipal wastewater wells into groundwater, which later went into the Pacific Ocean, violated the federal law.

The controversy is separate from the ongoing debate over the EPA’s Waters of the United States rule, which determines the waterways that are subject to federal regulation. The Trump administration is currently working to greatly restrict which waterways, like wetlands and tributaries, are within federal jurisdiction.

In asking the high court to hear the case last year, attorneys for Maui County called the 9th Circuit ruling a “radical expansion” of the Clean Water Act.

They said millions of water pollution sources, including municipal water treatment plants and others, would be subject to strict new rules about where they could put waste and how to treat it. A coalition of Hawaii environmental groups asked the Supreme Court to let the 9th Circuit ruling stand, subjecting the groundwater to tightened standards.

Supreme Court Limits Power of States and Localities to Impose Fines, Seize Property

The Supreme Court unanimously ruled on Wednesday, February 20 that the Constitution’s prohibition on excessive fines applies to state and local governments, limiting their abilities to impose financial penalties and seize property.

The decision delighted critics of civil asset forfeiture, who welcomed the ruling as a new weapon in their war against what has been labeled “policing for profit” — the practice of seizing cash, cars and other property from those convicted, or even suspected, of committing a crime.

Justice Ruth Bader Ginsburg, on her second day back on the bench after undergoing cancer surgery in December, announced the court’s decision, saying the Eighth Amendment’s excessive-fines clause protects against government retribution at all levels.

“For good reason, the protection against excessive fines has been a constant shield throughout Anglo-American history: Exorbitant tolls undermine other constitutional liberties,” Ginsburg wrote. “Excessive fines can be used, for example, to retaliate against or chill the speech of political enemies.... Even absent a political motive, fines may be employed in a measure out of accord with the penal goals of retribution and deterrence.”

The case at the court involved Tyson Timbs of Marion, Indiana, whose \$42,000 Land Rover SUV was seized after his 2015 arrest for selling a couple hundred dollars’ worth of heroin. Timbs has sued to get it back, and while the decision did not dictate that outcome, it gave him a new day in court.

The Constitution’s Bill of Rights protects against actions of the federal government. But the Supreme Court over time has applied its provisions to state and local governments under the due-process clause of the 14th Amendment. In 2010, for instance, the court held that the Second Amendment applied to state and local government laws on gun control.

The Eighth Amendment states: “Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.” Two of those commands — regarding

bail and cruel and unusual punishments — have been deemed to apply to state and local governments. But until now, the ban on excessive fines had not.

The Supreme Court's opinion does not take a position on whether Indiana's seizure of the Land Rover was excessive. It holds only that the Indiana Supreme Court was wrong to say that the Eighth Amendment did not apply.

California Grants Threatened

The Trump administration said this month that it will cancel more than \$900 million in federal grants earmarked for an ambitious California high-speed rail project, escalating a feud between the White House and the state over several of the president's policies

California Governor Gavin Newsom, who took office in January, said that the rail project as planned "would cost too much and take too long," and he would instead finish roughly 120 miles of track already under construction in the state's Central Valley. The Transportation Department responded in a statement that it was exploring legal options to recoup \$2.5 billion in federal funds already granted to the project by the Federal Railroad Administration.

"This is clear political retribution by President Trump, and we won't sit idly by," Governor Newsom said in a statement. "This is California's money, and we are going to fight for it."

The President has criticized California's high-speed rail project, in the works for more than a decade, as wasteful and called for the state to return federal funding in several Tweets since Newsom's announcement.

President Trump has previously said he may limit disaster recovery funds used to respond to wildfires in California over the state's management of forest areas, though there is no indication that funds have been withheld.

Administration Takes Steps into State Permits Debate

Army Corps of Engineers Chief R.D. James late last year, directed his agency to write new guidance limiting the time states have to review permits for projects that would dredge or fill in wetlands and streams.

Section 401 of the Clean Water Act gives states up to a year to review such projects unless the federal permitting agency sets a different timeline. If states don't approve or deny a project within that timeline, they waive their authority.

The Army Corps is the federal permitting agency for projects that dredge or fill in wetlands and streams. States also have the authority to block water pollution permits issued by EPA and pipeline approvals issued by the Federal Energy Regulatory Commission.

James argues Army Corps regulations already require states to make their decisions within 60 days of receiving an application, "it has been standard practice" for Army Corps districts to give states an entire year to review permits.

His memo directs the Army Corps to write guidance solidifying the 60-day timeline and emphasizing that the clock begins when a state receives an application, not when a state decides an application is complete. While the Clean Water Act itself is vague about when the clock starts, states and agencies have both previously interpreted it to mean the countdown begins once a state deems a permit is complete.

The memo is the first concrete example of an expected Trump administration push across agencies to limit state's Clean Water Act authority under Section 401. The Trump administration has already received strong pushback from state groups.

This month, the Western Governors' Association wrote to the President asking him to tell federal agencies "to reject any changes to agency rules, guidance or policy that may diminish, impair or subordinate states' well-established sovereign and statutory authorities to protect water quality within their boundaries."

EPA also has been looking into the issue for some time. Water Chief David Ross told the Environmental Council of the States' annual meeting last fall that the agency is considering changing policies for how much time states have to make their certification decisions.

Vacancies Continue, Grow in the Trump Administration Even as Nominees Confirmed

Two years after taking office, President Donald Trump has vast swaths of the federal government where officials either have not been nominated or confirmed. Additionally, there are many top positions where the administration has someone serving in an acting capacity. Currently, in cabinet level positions, President Trump has an acting chief of staff, defense secretary, Office of Management and Budget director and Environmental Protection Agency administrator.

President Trump has been relying on personnel moves to keep some positions filled, which could result in legal challenges to the administration's actions that could be tied up in the courts for years. If the courts find that some of those appointments are questionable, actions taken by those officials could be overruled.

The lack of permanent leaders has started to alarm top congressional Republicans who are calling for key posts to be filled. "It's a lot. It's way too many," Sen. James Lankford (R-OK) said of the acting positions in Cabinet agencies. "You want to have confirmed individuals there because they have a lot more authority to be able to make decisions and implement policy when you have a confirmed person in that spot."

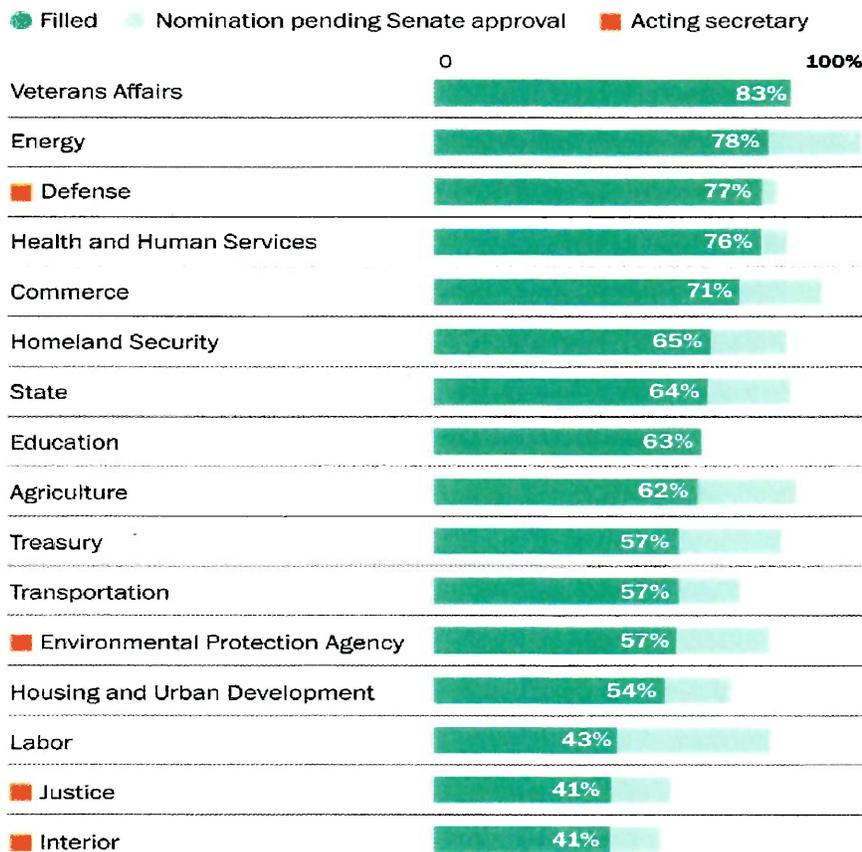
The Trump administration has lagged behind its predecessors in filling top posts throughout the government. The Partnership for Public Service, which has tracked nominations as far back as 30 years, estimates that only 54 percent of Trump's civilian executive-branch nominations have

been confirmed, compared with 77 percent under President Barack Obama at the same point in his administration.

Republicans have largely blamed Senate Democrats for slowing down the consideration of executive-branch nominees. But according to an analysis by the Partnership for Public Service and The Washington Post, the White House has not bothered to nominate people for 150 out of 705 Senate-confirmed positions. As was mentioned above, the Senate is considering changing its rules to allow for expedited consideration of certain officials, which they say will help with the backlog where officials have been nominated.

Large federal departments lack permanent leadership

Share of key positions filled, by department or agency as of Jan. 28



Three departments are facing a particularly high number of vacancies: Only 41 percent of the Interior and Justice departments' Senate-confirmed posts are filled, and just 43 percent of such positions have been filled at the Labor Department. The chart below shows the current percentage of key positions (as defined by the Partnership for Public Service) that have been filled, where a nominee is pending, or where no individual has been nominated to fill the post. The Departments of Justice and the Interior lead the agencies where vacancies are the highest and where individuals have not been nominated to take the position.

This month the Senate confirmed William Barr as U.S. attorney general. The confirmation vote of 54-45 on Thursday, February 14 gave the 68-year-old attorney a second stint in the job that he previously held in the 1990s under President George H.W. Bush.

While that will make him a major figure on issues from immigration to antitrust policy, one of Barr's first decisions will be whether to recuse himself from overseeing Mueller's politically explosive probe into Russian interference in the 2016 election.

In his confirmation hearing last month he did not commit to recusing himself, saying he'd seek the advice of career ethics officials, but noted that the final recusal decision was up to the individual per the Department's guidelines. Democrats expressed concern about Barr's acknowledgment that he's had "general conversations" with Vice President Mike Pence regarding the investigation. They also cited a memo Barr sent to the Justice Department regarding a possible obstruction of justice investigation into President Trump's firing of former FBI Director James Comey.

At the Department of Homeland Security, Federal Emergency Management Agency (FEMA) Administrator Brock Long announced earlier this month that he is resigning to spend additional time with his family in North Carolina. Long's tenure was marked by ethics probes—where he had to reimburse the administration for the inappropriate use of a vehicle—and scrutiny of his agency's handling of a deadly hurricane in Puerto Rico.

The Trump administration's top air and climate adviser at the EPA for the past two years is resigning, according to a February 7 resignation letter sent to the White House.

Mandy Gunasekara said in her resignation letter to President Donald Trump that she planned to launch a new organization to support "the many energy, regulatory and economic successes" of their energy and environmental agenda, which is likely to come under intense scrutiny by emboldened Democrats who won control of the House last November.

Budget Deficit

The U.S. budget deficit widened to \$319 billion in the first three months of the government's fiscal year as spending increased and revenue was little changed, according to the Treasury Department.

The shortfall grew by 42 percent between the October to December period, compared with the same three months the previous year, according to the latest Treasury monthly budget report released this month. Receipts climbed by 0.2 percent to \$771.2 billion, while spending was up 9.6 percent to \$1.1 trillion.

The federal debt has ticked past \$22 trillion, a record that comes despite continued economic growth, but neither political party appears to be making a priority of debt reduction.

Larry Kudlow, the Director of President Trump's National Economic Council, stated that the president was "concerned" about the rise of the debt, and that the administration would propose

some reductions in federal spending in its next budget. The rise of the debt also poses a more immediate problem. The total is expected to reach a statutory limit known as the “debt ceiling” later this year, requiring what could be a contentious congressional vote to raise the ceiling.



CALIFORNIA STRATEGIES, LLC

Date: February 28, 2019
To: Inland Empire Utilities Agency
From: John Withers, Jim Brulte
Re: February Activity Report

1. This month John Withers and Jim Brulte held the monthly meeting on February 04 with the senior staff of the agency to discuss various Agency activities.
2. Interim General Manager Kirby Brill
 - Updated the IGM's work program during the transition period
 - Worked on a special project for the IGM related to the Chino Basin Program
3. Chino Basin Program
 - John Withers and Jim Brulte participated in the strategic planning workshop with IEUA senior staff and consultants
 - Activities included developing an aspirational vision for the project as well as identifying associated project risks and potential mitigation measures. Focused on the legal, political, regulatory, financial and other associated risks with the program
 - John Withers participated in a follow up meeting on 2/28 that included follow up items as well as messaging strategies for the member agencies
 - Four-year project
 - \$6.3 mil in budget (PDR) vote to support by IEUA BOD
 - Benefits-Accelerates delivery of the projects
 - Need MOUs from participating agencies
 - MET briefing
 - Check in with IEUA BOD Feb '19
 - Pursuing federal funding (Title 16-Section 4007)
 - Agreements in place by 2020
4. John Withers attended the Urban Water Institute Conference to meet with various stakeholders and gather information to better assist the IGM and senior staff.

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Subject: Public Outreach and Communication

March

- March 18 – 24, Fix a Leak Week
- March 18, IEUA Hosted Association of San Bernardino County Special Districts Dinner, Panda Inn: 3223 E. Centrelake Drive, Ontario, 91761, 6:00 p.m. – 8:30 p.m.
- March 20, “Water is Life” Poster Contest Judging, HQB Event Room, 11:00 a.m. – 2:00 p.m.
- March 22, World Water Day

April

- April 3, IEUA Blood Drive, HQB Event Room, 8:00 a.m. – 1:00 p.m.
- April 12, Santa Ana River Watermaster: 50 Years of Collaboration (Luncheon and Program), Fieldhouse Terrace at Silverlakes Sports Complex: 5555 Hamner Avenue, Norco, 92860, 11:30 a.m. – 1:30 p.m.
- April 17, IEUA Annual Earth Day Event – Student Day, IEUA, 9:00 a.m. – 2:00 p.m.
- April 18, IEUA Annual Earth Day Event – Community Day, IEUA, 4:00 p.m. – 7:00 p.m.

May

- Water Awareness Month
- May 2, Heritage Recycled Water Groundbreaking Event (IEUA/CVWD/City of Fontana), Location TBD, 10:00 a.m. – 11:30 a.m.
- May 4, FUSD’s STEM Day (IEUA to partner and host a booth and breakout session), Citrus High School: 10760 Cypress Ave. Fontana, 92337, 9:00 a.m. – 1:00 p.m.
- May 5-11, International Compost Awareness Week
- May 11, IEUA Compost Giveaway, HQA Parking Lot, 8:00 a.m. – 12:00 p.m.
- May 17-19, MWD Solar Cup Competition, Lake Skinner, 37701 Warren Rd, Winchester, 92596

Media and Outreach

- The FY 17/18 Annual Report has been distributed to partnering agencies and is available to view on the Agency’s website.
- An ad ran in the *Chino Champion’s* Chino Connection Spring/Summer on March 2.
- An ad ran in the *Chino Champion’s* Spring Home and Garden section on March 9.
- The *Kick the Habit* digital banner ad continues to run in the *Fontana Herald News*.
- February: 33 posts were published to the IEUA Facebook page, 24 posts were published to IEUA’s Instagram and 26 tweets were sent on the @IEUAWater Twitter handle.
 - The top three Facebook posts, based on reach and engagement, in the month of February were:
 - 2/27: DC Legislative Luncheon – Emceed by Vice President Jasmin A. Hall
 - 2/11: Paul Hofer Elected as Chair of IERCF (Press Release)

- 2/23: Engineering Week: Mike Dias (Video)
- The top three tweets, based on reach and engagement, in the month of February were:
 - 2/13:31 Gallons to Produce Roses
 - 2/7: Director Steve Elie at Chino Neighborhood House
 - 2/14: Job Opportunity
- The top three Instagram posts, based on reach and engagement, in the month of February were:
 - 2/26: Project W.E.T and Garden in Every School® Workshop
 - 2/27: DC Legislative Luncheon – Emceed by Vice President Jasmin A. Hall
 - 2/19: Traveling art show
- For the month of February, there were 31,270 searches for a park in IEUA’s area on Yelp, where Chino Creek Wetlands and Education Park was viewed 6,152 times.

Education and Outreach Updates

- Staff is currently scheduling Water Discovery Field Trips for school year 18/19. To date, 95 schools have made reservations for the current school year.
- Staff is scheduling schools for student Earth Day on April 17. To date, 16 different schools and 1,318 students are scheduled to attend.
- Staff has reached out to schools for the *Water is Life* Poster Contest. Deadline for this school year is March 14, 2019. Judging will take place on March 20.
- IEUA staff facilitated a Project W.E.T. and Garden in Every School® Workshop on February 26. Over 25 educators attended the workshop where they learned ways to incorporate water education in the classroom and received their certification for Project W.E.T. activities. This workshop was also mandatory for schools interested in applying for school year 19/20 garden grant.
- Fix a Leak Week is recognized during the week of March 18. IEUA staff will be incorporating messages into the Water Discovery field trip activities over the recognized week. Each student will also receive a student-friendly leak detection and conservation kit to take home and share with their family.
- Staff is managing the WEWAC Digital Art and Media Contest. Students in middle school and high school submitted 11 digital art pieces and two PSA videos that focus on using water wisely. Winners will be notified Monday, April 1. First through third place winners in both categories will receive a cash prize.



Date: March 20, 2019

To: The Honorable Board of Directors

From: Kirby Brill, Interim General Manager

Committee: Community & Legislative Affairs

03/13/19

Executive Contact: Kathy Besser, Executive Manager of Ext. Aff. & Policy Dev./AGM

Subject: Public Outreach and Communication

Executive Summary:

- March 18 – 24, Fix a Leak Week
- March 18, IEUA Hosted Association of San Bernardino County Special Districts Dinner, Panda Inn: 3223 E. Centrelake Drive, Ontario, 91761, 6:00 p.m. – 8:30 p.m.
- March 20, “Water is Life” Poster Contest Judging, HQB Event Room, 11:00 a.m. – 2:00 p.m.
- March 22, World Water Day

IEUA staff facilitated a Project W.E.T. and Garden in Every School® Workshop on February 26. Over 25 educators attended the workshop where they learned ways to incorporate water education in the classroom and received their certification for Project W.E.T. activities. This workshop was also mandatory for schools interested in applying for school year 19/20 garden grant.

Staff's Recommendation:

This is an informational item for the Board of Directors to receive and file.

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

Account/Project Name:

Fiscal Impact (explain if not budgeted):

Prior Board Action:

N/A

Environmental Determination:

Statutory Exemption

N/A

Business Goal:

IEUA is committed to providing a reliable and cost-effective water supply and promoting sustainable water use throughout the region.

IEUA is committed to enhancing and promoting environmental sustainability and the preservation of the region's heritage.

Attachments:

Attachment 1 - Background

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for February 2019

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	02/05/2019	ACH 020519	CALPERS	1394905143	1012 - Bank of America Gen'l 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'l 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'l 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'l 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'l 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**

For Informational Purposes Only

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
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						<u>137,601.91</u>
5120						
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						<u>5,724.60</u>
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						<u>375.00</u>
Bill Pmt -Check	02/12/2019	21292	BUSINESS TELECOMMUNICATION SYSTEMS 14664		1012 · Bank of America Gen'l Ckg	
Bill	02/01/2019	14664		Conference phone for board room	6022 · Telephone	1,037.16
TOTAL						<u>1,037.16</u>
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						<u>250.00</u>

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

For Informational Purposes Only

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

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TOTAL

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

For Informational Purposes Only

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

For Informational Purposes Only

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
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
P123	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

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

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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						1,625.00
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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						45,346.27
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						7,444.83
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						90.00
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
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

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
February 2019

For Informational Purposes Only

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL							5,456.55
						Total Disbursements:	<u>371,420.83</u>

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CHINO BASIN WATERMASTER

IV. INFORMATION

2. Santa Ana River Watershed Status Report (Semi-Annual)

SANTA ANA RIVER ACTIVITIES UPDATE

The Chino Basin is part of the Santa Ana River Watershed, as such, Chino Basin Watermaster participates in different activities and follows closely the happenings in the entire watershed. This document is part of a series of periodic updates about the current activities and issues in the watershed. The updates will be classified into four different categories:

1. Water Quality
2. Basin Management
3. Habitat Conservation / Monitoring
4. Storage and Conjunctive Use

Many of the activities that take place within the watershed fall in more than one category. Below is a list of the current activities of interest in the Santa Ana River Watershed:

- Basin Monitoring Program Task Force
- Upper Santa Ana River Habitat Conservation Plan
- Prado Basin Adaptive Management Plan



Water Quality



Basin Management



Habitat Conservation / Monitoring



Storage and Conjunctive Use

The Santa Ana River is the longest river that is entirely contained in Southern California and one of the most densely populated watersheds in the State of California. Some quick facts to remember about the Santa Ana River are:

- It is 96 miles long
- It has over 700 miles of tributaries
- ~6 million people live within the watershed
- The watershed encompasses 58 cities in 4 counties
- The area of the watershed is 2650 sq. miles



BASIN MONITORING PROGRAM TASK FORCE

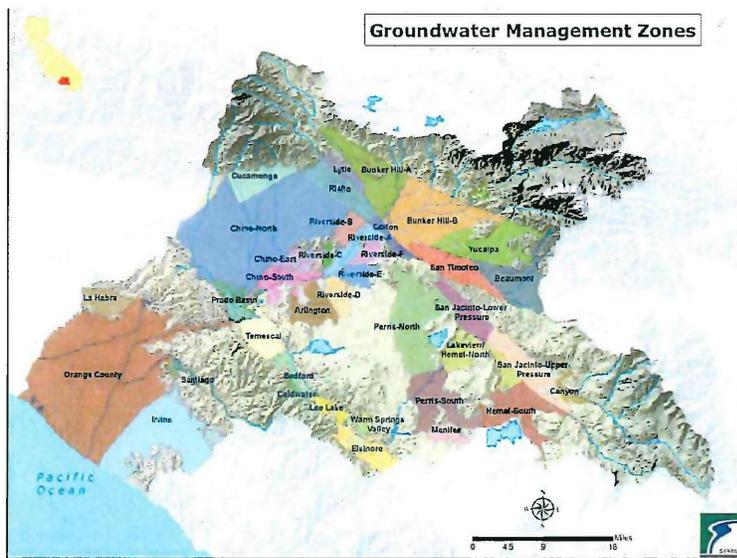
The Chino Basin Watermaster (CBWM) participates in the Basin Monitoring Program Task Force (BMPTF) and collaborates with the Regional Board in developing Groundwater quality reports. During the second half of 2018 the Task Force worked on the following issues:

- **Ambient Water Quality Re-computation:** This is a study conducted every three years that analyzes the water quality in the entire upper watershed. It is also a part of the Maximum Benefit commitments by CBWM and IEUA. The Task Force has proactively started the process to hire a consultant in the first quarter of 2019. The study will be concluded by the end of the year.
- **Wasteload Allocation Model Update:** The WLAM is a tool used by the Regional Board to determine assimilative capacity in the upper watershed. It is currently being updated by Geoscience Inc. CBWM and IEUA have been providing comments and meeting with the consultants to ensure the quality of the final product.

Category:



Water Quality



The Basin Monitoring Program Task Force is a watershed effort by 17 agencies administered by SAWPA. Its main task is to create periodic reports about the concentrations of TDS and Salt in the watershed and to cooperate with the Regional Water Quality Control Board to update assimilative capacities.



UPPER SANTA ANA RIVER HABITAT CONSERVATION PLAN

CBWM and IEUA participate in the Upper Santa Ana River Habitat Conservation Plan (HCP) with other agencies in the Upper Watershed. The covered activities for CBWM and IEUA under the HCP are the maintenance and enhancements of recharge basins under the RMPU. The group has started the process to constitute a Joint Powers Authority or administer the permits and conservation bank. The HCP group has started the preparation of the Environmental Impact Report that will be released in early spring.

Integrated Groundwater Model for the Upper Santa Ana River

UFWS and CDFW expressed interest in analyzing the effects of the proposed covered activities in the flows of the Santa Ana River. The team proposed the creation of an integrated groundwater model that would analyze the surface water and groundwater interactions in the entire Upper Watershed. Geoscience was the selected consultant to conduct this work. CBWM and IEUA have been actively providing feedback and meeting with the project managers and consultants to ensure that the modeling characterization of the Chino Basin and its management activities are accurately captured in the model.

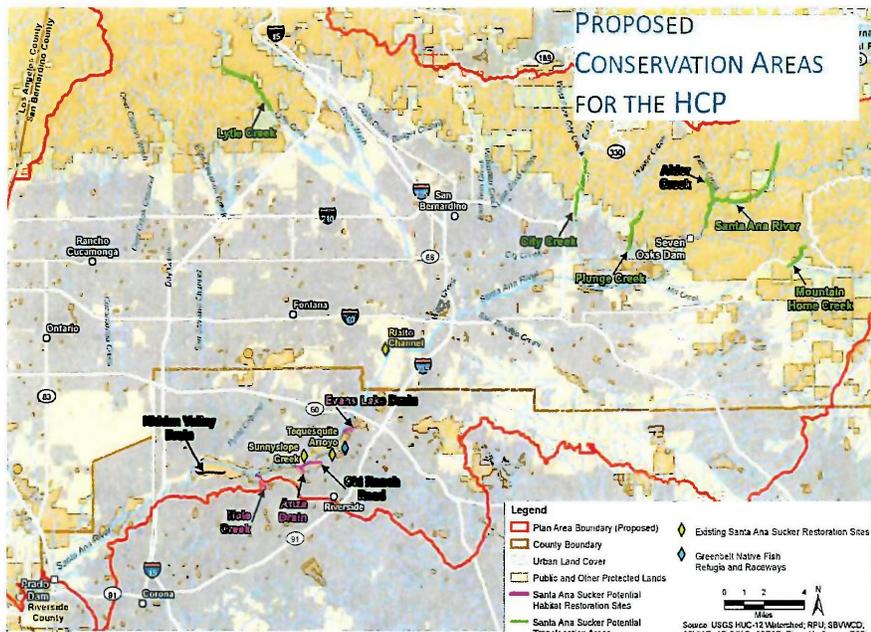
Categories:



Basin Management



Habitat Conservation / Monitoring



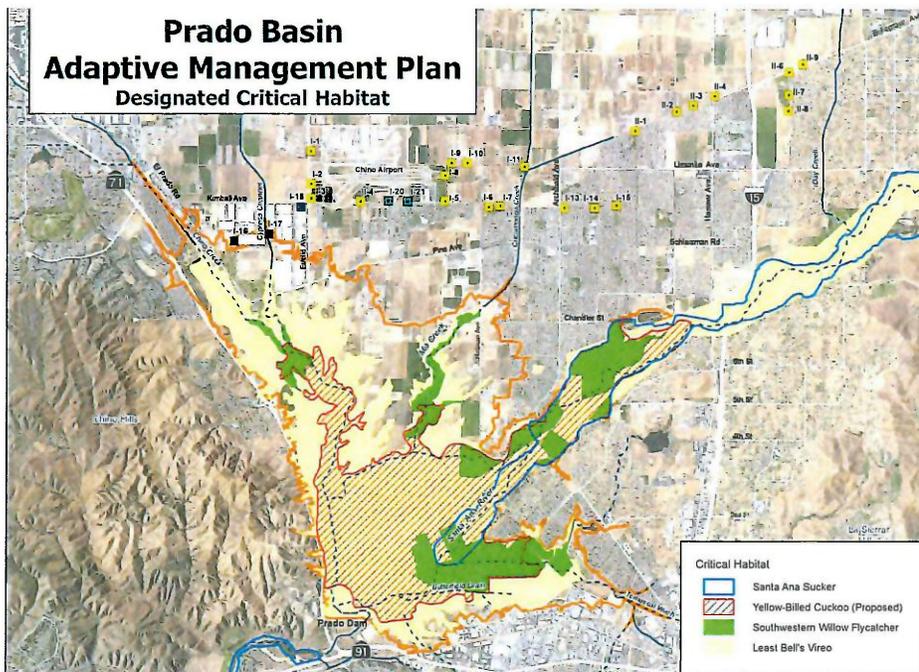
The Upper Santa Ana River Habitat Conservation Plan is a multi-agency effort administered by San Bernardino Valley Municipal Water District. Its mission is to expedite application for incidental take permits of certain endangered species within the watershed by providing habitat restoration / conservation in the Upper Watershed.



PRADO BASIN ADAPTIVE MANAGEMENT PLAN

Pursuant to the Mitigation Measure 4.4-3 of the Peace II Subsequent Environmental Impact Report (SEIR), CBWM and IEUA implemented an Adaptive Management Plan (AMP) for the Prado Basin Habitat Sustainability Program (PBHSP) to monitor the riparian habitat in the Prado Basin as a contingency measure to ensure that the riparian habitat will not incur unforeseeable significant adverse effects from Peace II Agreement implementation. The AMP outlines a monitoring program of riparian habitat and the factors that could potentially affect the riparian habitat, which include, but are not limited to: groundwater levels, surface-water discharge, weather events, long-term climate, and annual data analysis and reporting. A key element of the AMP is its adaptive nature—CBWM and IEUA can adjust the AMP as warranted by the data.

On June 28, 2018 the CBWM Board received and filed the second Annual Report of the Prado Basin Habitat Sustainability Committee. The report found no impact from the implementation of the Peace II Agreement in the Riparian habitat in the Prado Basin for the second consecutive year.



Categories:



Basin Management



Habitat Conservation / Monitoring

The Prado Basin Adaptive Management Plan is an extensive monitoring program funded by Watermaster parties to analyze possible effects in the Prado habitat due to Basin management activities pursuant to the Peace II agreement.



CONCLUSIONS

On June 28, 2018 the CBWM Board received and filed the second Annual Report of the Prado Basin Habitat Sustainability Committee. The report found no impact from the implementation of the Peace II Agreement in the Riparian habitat in the Prado Basin for the second consecutive year.

Conclusions

The Chino Basin is a very important component of the Santa Ana River hydrology. The symbiotic relationship between these two water bodies is vital for the environmental and economic security of the region. Given the importance of this relationship, CBWM is committed to monitoring and participating in the various activities and issues within the Santa Ana River watershed.

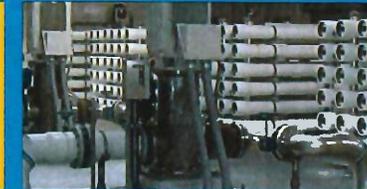
The current happenings could decrease the flows to the river due to recycling and reuse water activities in the Upper Watershed, and could also have an adverse impact on water quality if nitrate objectives are changed.

CBWM will remain working closely with the regulatory agencies as we are committed to complying with our monitoring and reporting obligations with the highest quality and in a timely manner.

CBWM will continue to be an active participant in the activities performed in the watershed and will work cooperatively with the members of the region to ensure the best and most equitable use of our water resources.



Water Quality



Basin Management



Habitat Conservation / Monitoring



Storage and Conjunctive Use

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