

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, June 11, 2020

9:00 a.m. – Appropriative Pool Meeting
11:00 a.m. – Non-Agricultural Pool Meeting
1:30 p.m. – Agricultural Pool Meeting

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

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

CHINO BASIN WATERMASTER

Thursday, June 11, 2020

9:00 a.m. – Appropriative Pool Meeting
11:00 a.m. – Non-Agricultural Pool Meeting
1:30 p.m. – Agricultural Pool Meeting

POOL AGENDAS

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

9:00 a.m. – June 11, 2020

Mr. John Bosler, Chair

Mr. Cris Fealy, Vice-Chair

Meeting Available by Remote Access Only*

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (786) 535-3211

Code: 946-466-725

AGENDA

CALL TO ORDER

ROLL CALL

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 Appropriative Pool Special Meeting held May 1, 2020 *(Page 1)*
2. Minutes of the Appropriative Pool Special Meeting held May 7, 2020 *(Page 2)*
3. Minutes of the Appropriative Pool Meeting held May 14, 2020 *(Page 3)*
4. Minutes of the Appropriative Pool Special Meeting held May 19, 2020 *(Page 12)*
5. Minutes of the Appropriative Pool Special Meeting held May 20, 2020 *(Page 13)*
6. Minutes of the Appropriative Pool Special Meeting held May 27, 2020 *(Page 36)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2020 *(Page 60)*
2. Watermaster VISA Check Detail for the month of April 2020 *(Page 73)*
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020 *(Page 76)*
4. Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020 *(Page 79)*
5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020 *(Page 83)*
6. Cash Disbursements for May 2020 (Information Only) *(Page 109)*

C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT *(Page 119)*

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

D. APPLICATION: WATER TRANSACTION *(Page 126)*

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust's Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

II. BUSINESS ITEMS

- A. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT** *(Page 133)*
 Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing

B. ENGINEER REPORT

1. Equipping Extensometers at PX
2. Responding to Various RFIs

C. CFO REPORT

1. Status of Exhibit "G" Transaction
2. FY 2019/20 Ongoing Auditing Activity by Fedak & Brown, LLP

D. GM REPORT

1. Status Report: OBMP IP Update
2. Status Report: OAP Contest
3. Other

IV. POOL MEMBER COMMENTS

V. OTHER BUSINESS

VI. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

1. OBMPU Implementation Plan
2. Agricultural Pool Contest
3. 2020 Safe Yield Reset

VII. FUTURE MEETINGS AT WATERMASTER*

6/11/20	Thu	9:00 a.m.	Appropriative Pool
6/11/20	Thu	11:00 a.m.	Non-Agricultural Pool
6/11/20	Thu	1:30 p.m.	Agricultural Pool
6/18/20	Thu	9:00 a.m.	Advisory Committee
6/25/20	Thu	11:00 a.m.	Watermaster Board

*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Appropriative Pool Members/Alternates separately.

ADJOURNMENT

**CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING**

11:00 a.m. – June 11, 2020

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

Meeting Available by Remote Access Only*

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (408) 650-3123

Access Code: 756-057-837

AGENDA

CALL TO ORDER

ROLL CALL

AGENDA – ADDITIONS/REORDER

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held May 15, 2020 (*Page 38*)

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2020 (*Page 60*)
2. Watermaster VISA Check Detail for the month of April 2020 (*Page 73*)
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020 (*Page 76*)
4. Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020 (*Page 79*)
5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020 (*Page 83*)
6. Cash Disbursements for May 2020 (Information Only) (*Page 109*)

C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT (*Page 119*)

Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

D. APPLICATION: WATER TRANSACTION (*Page 126*)

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust's Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

II. BUSINESS ITEMS

A. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT (*Page 133*)

Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

B. MEMBER STATUS CHANGES

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
3. Any change in name or corporate identity of a Member (such as results from a merger or filing of a change of name certificate).

4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.
 - Staff received notice on June 3, 2020 from counsel for 9W Halo Western OpCo, LP that its assigned representative is Mr. Dennis Dooley, and his email address is ddooley@angelica.com
 - Staff received notice on June 4, 2020 from counsel for ANG II (Multi) LLC that its assigned representative is Mr. Sam Rubinstein, and his email address is srubinstein@wpcarey.com
 - The ONAP roster and email distribution lists have been updated and the revised volume vote allocation table will be brought next month under Consent Calendar

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing

B. ENGINEER REPORT

1. Equipping Extensometers at PX
2. Responding to Various RFIs

C. CFO REPORT

1. Status of Exhibit "G" Transaction
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D. GM REPORT

1. Status Report: OBMP IP Update
2. Status Report: OAP Contest
3. Other

IV. POOL MEMBER COMMENTS

V. OTHER BUSINESS

VI. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

1. Safe Yield
2. Storage

VII. FUTURE MEETINGS AT WATERMASTER*

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*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Non-Agricultural Pool Members/Alternates separately.

ADJOURNMENT

**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. June 11, 2020

Mr. Bob Feenstra, Chair

Mr. Jeff Pierson, Vice-Chair

Meeting Available by Remote Access Only*

Click on this [link](#) to access by PC/Smart Device

OR

Conference Call: (408) 650-3123

Access Code: 915-269-797

AGENDA

CALL TO ORDER

ROLL CALL

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 Agricultural Pool Special Meeting held on May 8, 2020 *(Page 42)*
2. Minutes of the Agricultural Pool Meeting held on May 14, 2020 *(Page 43)*
3. Minutes of the Agricultural Pool Special Meeting held on May 22, 2020 *(Page 59)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of April 2020 *(Page 60)*
2. Watermaster VISA Check Detail for the month of April 2020 *(Page 73)*
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020 *(Page 76)*
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Recommend to the Advisory Committee to recommend the Watermaster Board to approve the Overlying (Non-Agricultural) Pool storage agreements.

D. APPLICATION: WATER TRANSACTION *(Page 126)*

Provide advice and assistance to the Watermaster Board on the proposed transaction:

The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust's Annual Production Right. Date of application: May 4, 2020. Provide advice and assistance to the Watermaster Board on the proposed transaction.

II. BUSINESS ITEMS

A. 2019 PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT *(Page 133)*

Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

B. OLD BUSINESS**III. REPORTS/UPDATES****A. LEGAL COUNSEL REPORT**

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing

B. ENGINEER REPORT

1. Equipping Extensometers at PX
2. Responding to Various RFIs

C. CFO REPORT

1. Status of Exhibit "G" Transaction
2. FY 2019/20 Ongoing Auditing Activity by Fedak & Brown, LLP

D. GM REPORT

1. Status Report: OBMP IP Update
2. Status Report: OAP Contest
3. Other

IV. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

V. OTHER BUSINESS**VI. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Ag Pool Budget
2. Watermaster Safe Yield Motion
3. Ag Pool Contest
4. June 26, 2020 Hearing on Pooling Plan Amendment

VII. FUTURE MEETINGS AT WATERMASTER*

6/11/20	Thu	9:00 a.m.	Appropriative Pool
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6/11/20	Thu	1:30 p.m.	Agricultural Pool
6/18/20	Thu	9:00 a.m.	Advisory Committee
6/25/20	Thu	11:00 a.m.	Watermaster Board

*NOTE: Due to the uncertainty related to COVID-19, and for the safeguarding of all, Watermaster meetings will continue to be held remotely until further notice. Remote access to the open portions of the meetings will be provided with each meeting notice. Confidential session numbers will be provided directly to Agricultural Pool Members/Alternates separately.

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP)

A. MINUTES

1. Appropriative Pool Special Meeting held May 1, 2020
2. Appropriative Pool Special Meeting held May 7, 2020
3. Appropriative Pool Meeting held May 14, 2020
4. Appropriative Pool Special Meeting held May 19, 2020
5. Appropriative Pool Special Meeting held May 20, 2020
6. Appropriative Pool Special Meeting held May 27, 2020

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL – SPECIAL MEETING
May 1, 2020

The Appropriative Pool special meeting was held via conference call on May 1, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Brian Lee	San Antonio Water Company
Chris Berch	Jurupa Community Services District
Ron Craig	City of Chino Hills
Steven Ledbetter for Rosemary Hoerning	City of Upland
Steven Ledbetter for Rosemary Hoerning	West End Consolidated Water Co.
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Nadia Loukeh for Clarence Mansell	West Valley Water District
Scott Burton	City of Ontario
Josh Swift	Fontana Union Water Company

OTHERS PRESENT ON CALL

John Schatz	John J. Schatz, Attorney at Law
Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Katie Gienger	City of Ontario
Justin Scott-Coe	Monte Vista Water District
Courtney Jones	City of Ontario
Eric Fordham	GeoPentech
Eduardo Espinoza	Cucamonga Valley Water District
Praseetha Krishnan	Cucamonga Valley Water District
Jimmy Gutierrez	Jimmy L. Gutierrez, A Law Corporation
Thomas Harder	Thomas Harder & Co.

CALL TO ORDER

Chair Bosler called the Appropriative Pool special meeting to order at 9:30 a.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Bosler called for a confidential session at 9:30 a.m. to discuss the following:

1. 2020 Safe Yield Reset
2. Storage Management Plan – Implementation Plan

Confidential session concluded at 11:05 a.m. with no reportable action.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool special meeting at 11:05 a.m.

Secretary: _____

Approved: _____

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL – SPECIAL MEETING
May 7, 2020

The Appropriative Pool special meeting was held via conference call on May 7, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Brian Lee	San Antonio Water Company
Chris Berch	Jurupa Community Services District
Ron Craig	City of Chino Hills
Steven Ledbetter for Rosemary Hoerning	City of Upland
Steven Ledbetter for Rosemary Hoerning	West End Consolidated Water Company
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Scott Burton	City of Ontario
Josh Swift	Fontana Union Water Company
Ben Lewis	Golden State Water Company
Dave Crosley	City of Chino

OTHERS PRESENT ON CALL

Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Katie Gienger	City of Ontario
Justin Scott-Coe	Monte Vista Water District
Courtney Jones	City of Ontario
Eric Fordham	GeoPentech
Eduardo Espinoza	Cucamonga Valley Water District
Praseetha Krishnan	Cucamonga Valley Water District
Thomas Harder	Thomas Harder & Co.
Steve Nix	City of Upland

CALL TO ORDER

Chair Bosler called the Appropriative Pool special meeting to order at 1:30 p.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Bosler called for a confidential session at 1:30 p.m. to discuss the following:

1. 2020 Safe Yield Reset
2. Storage Management Plan – Implementation Plan

Confidential session concluded at 3:45 p.m. with no reportable action.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool special meeting at 3:45 p.m.

Secretary: _____

Approved: _____

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING
May 14, 2020

The Appropriative Pool meeting was held by GoToMeeting (conference call and web meeting) on May 14, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Eric Tarango for Cris Fealy	Fontana Water Company
Ron Craig	City of Chino Hills
Dave Crosley	City of Chino
Chris Diggs	City of Pomona
Steve Ledbetter for Rosemary Hoerning	City of Upland
Steve Ledbetter for Rosemary Hoerning	West End Consolidated Water Co.
Katie Gienger for Scott Burton	City of Ontario
Josh Swift	Fontana Union Water Company
Josh Swift for Cris Fealy	Nicholson Trust
Brian Lee	San Antonio Water Company
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Chris Berch	Jurupa Community Services District
Sam Gershon	Santa Ana River Water Company

WATERMASTER BOARD MEMBERS PRESENT ON CALL

Bob Kuhn	Three Valleys Municipal Water District
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WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Janine Wilson	Senior Accountant
Vanessa Aldaz	Administrative Assistant

WATERMASTER STAFF PRESENT ON CALL

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. & Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager
Alonso Jurado	Field Operations Specialist

WATERMASTER CONSULTANTS PRESENT ON CALL

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Mark Wildermuth	Wildermuth Environmental, Inc.
Andy Malone	Wildermuth Environmental, Inc.

OTHERS PRESENT ON CALL

John Schatz	John J. Schatz, Attorney at Law
Sylvie Lee	Inland Empire Utilities Agency
Kevin O'Toole	Orange County Water District
Justin Scott-Coe	Monte Vista Water District
Randall Reed	Cucamonga Valley Water District
Praseetha Krishnan	Cucamonga Valley Water District
Courtney Jones	City of Ontario
Ryan Shaw	Western Municipal Water District
Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
David De Jesus	Three Valleys Municipal Water District
Eric Fordham	GeoPentech

Matt Litchfield
Thomas Harder
Steve Nix
Jimmy Gutierrez
Kevin Kenley

Three Valleys Municipal Water District
Thomas Harder & Co.
City of Upland
Jimmy L. Gutierrez, A Law Corporation
Cucamonga Valley Water District

CALL TO ORDER

Chair Bosler called the Appropriative Pool meeting to order at 9:00 a.m.

ROLL CALL

(0:02:50) Ms. Nelson conducted the roll call.

AGENDA - ADDITIONS/REORDER

(0:05:19) Mr. Kavounas suggested that Reports/Updates Items III.A., III.B., and III.C be taken directly following the Consent Calendar. Chair Bosler concurred and added that Confidential Session will be taken directly following Business Item II.A.

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 Appropriative Pool Special Meeting held April 1, 2020
2. Minutes of the Appropriative Pool Meeting held April 9, 2020
3. Minutes of the Appropriative Pool Special Meeting held April 10, 2020
4. Minutes of the Appropriative Pool Special Meeting held April 15, 2020

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of March 2020
2. Watermaster VISA Check Detail for the month of March 2020
3. Combining Schedule for the Period July 1, 2019 through March 31, 2020
4. Treasurer's Report of Financial Affairs for the Period March 1, 2020 through March 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through March 31, 2020
6. Cash Disbursements for April 2020 (Information Only)

Mr. Eric Tarango joined the meeting at 9:06 a.m.

Mr. Josh Swift joined the meeting at 9:10 a.m.

(0:06:14)

*Motion by Mr. Ron Craig, seconded by Mr. Dave Crosley, and by unanimous vote
Moved to approve the Consent Calendar as presented.*

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2020/21 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2020/21 budget as presented.

(0:35:51) Staff and consultants gave a presentation. A discussion ensued.

Mr. Sam Gershon joined the meeting at 10:05 a.m.

Reportable action is shown under Confidential Session.

B. CONSIDERATION OF 2020 STORAGE MANAGEMENT PLAN

Consideration and possible action related to the Storage Management Plan.

(2:04:59) Mr. Kavounas gave a report. A discussion ensued.

(2:05:22)

Motion by Mr. Ron Craig, seconded by Mr. Josh Swift and by majority vote

Moved to approve the May 14, 2020 Resolution of the Appropriative Pool as attached.

Opposed by Monte Vista Water District, Monte Vista Irrigation Company, and City of Ontario.

C. FIRST AMENDMENT TO TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (TECHNICAL SUPPORT FOR THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 2 (Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model).

(2:06:45) Mr. Kavounas gave a report. A discussion ensued.

(2:08:35)

Motion by Mr. Dave Crosley, seconded by Mr. Chris Diggs, and by unanimous vote

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

D. FIRST AMENDMENT TO TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (CHINO BASIN PROJECT SUPPORT)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Program.

(2:09:43) Mr. Tellez Foster gave a report. A discussion ensued.

(2:14:22)

Motion by Mr. Justin Scott-Coe, seconded by Ms. Katie Gienger, and by majority vote

Motion to recommend that the Advisory Committee not approve Business Item II.D. as presented.

Chris Diggs, representing the City of Pomona, and Chris Berch, representing Jurupa Community Services District, abstained.

E. 2020 SAFE YIELD RECALCULATION

Provide advice and assistance to Watermaster regarding the 2020 Safe Yield Recalculation.

(2:16:33) Mr. Kavounas offered to give a presentation, and the Pool declined stating that it is very close to providing advice and assistance. There was no action taken at this time.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing
3. County of Maui v. Hawaii Wildlife Fund et al

(0:07:19) Mr. Herrema gave a report.

B. ENGINEER REPORT

1. Annual Report for the PBHSC

2. IEUA GWR 2019 Annual Report
3. SB88 Compliance
4. Potential Assistance to CDA with 97-005 Study Requirement

(0:11:52) Mr. Malone gave a presentation on Item III.B.1. and gave a report on the remainder of the Engineer Report items.

C. CFO REPORT

1. Fixed Rate Refunding of Series 2008B Variable Rate Demand Bonds

(0:30:37) Mr. Joswiak gave a presentation.

Mr. Brian Lee joined the meeting at 9:33 a.m.

D. GM REPORT

1. OBMP Implementation Plan Update
2. OAP Contest Status
3. Work from Home Update
4. Other

(2:17:44) Mr. Kavounas gave a report.

IV. POOL MEMBER COMMENTS

(2:20:40) Ms. Gienger announced her departure from the City of Ontario in early June.

V. OTHER BUSINESS

VI. CONFIDENTIAL SESSION POSSIBLE ACTION

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

Chair Bosler called for a confidential session at 11:01 a.m. to discuss the following:

1. Fiscal Year 2020/21 CBWM Budget
2. 2020 OBMP Implementation Plan PEs 8 and 9
3. Ag Pool Contest
4. Safe Yield Reset
5. Storage Management Plan

Confidential session concluded at 1:00 p.m. with the following reportable actions:

Motion by Mr. Chris Diggs, seconded by Mr. Chris Berch and by unanimous vote

Moved to approve the special assessment for the addition of \$70,000.00 to the Appropriative Pool Budget for its legal expense.

Business Item II.A., Fiscal Year 2020/21 Budget (as provided in the May 14, 2020 letter attached to these minutes):

Motion by the Ms. Katie Gienger, seconded by Mr. Brian Lee and by majority vote

Moved to approve the FY 2020-21 budget as presented, with the removal of all efforts and expenditures related to the OBMP Update which have not yet been agreed to by the Parties. The Pool requests that Watermaster bring those items back for a budget amendment, if necessary, once an Implementation Plan and Implementing Agreement is signed by all Parties.

Opposed by Mr. Chris Berch representing Jurupa Community Services District.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool meeting at 1:20 p.m.

Secretary: _____

Approved: _____

Attachments:

1. 20200514 Appropriative Pool Letter re Watermaster's Proposed FY 2020/21 Budget
2. 20200514 Resolution of the Chino Basin Watermaster Appropriative Pool Regarding Watermaster Consideration of Approval of the 2020 Storage Management Plan Final Report Dated December 11, 2019

Appropriative Pool

Chair: John Bosler
Vice-Chair: Cris Fealy

Chino Basin Watermaster

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



May 14, 2020

Mr. Peter Kavounas
General Manager
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Re: Appropriative Pool Comments on Watermaster's Proposed FY2020/21 Budget

Dear Mr. Kavounas:

First, we want to express our appreciation to you and your staff for preparing and delineating the proposed budget in the workshops, pool meetings, and committee meetings. The pool members have reviewed and discussed certain items in the budget and are herein sharing a general consensus of concerns. The Appropriative Pool hereby makes the following recommendation to Watermaster and Advisory Committee to approve the budget as motioned below.

This letter is organized by general comments on specific items, followed by a table of corresponding line items with suggestions for reductions.

Appropriative Pool Motion out of closed session:

Motion by Ontario:

The Appropriative Pool approves the FY 2020-21 budget as presented, with the removal of all efforts and expenditures related to the OBMP Update which have not yet been agreed to by the Parties. The Pool requests that Watermaster bring those items back for a budget amendment, if necessary, once an Implementation Plan and Implementing Agreement is signed by all Parties.

Second: SAWCo
Opposed: JCSD
Approved: All others in attendance (emailed separately)

1. Items 7507, 7614, 7210, 6906.1, 6907.4: The Pool is not in favor of approving budget for OBMPU program elements and tasks that have not been agreed to by the parties, and should not be included. Specifically, the table below summarizes some of those items. The Pool favors bringing those items back for a budget amendment when they are approved and a scope of work is better understood.

May 14, 2020

Mr. Peter Kavounas

AP Motion on Proposed FY20/21 Budget

2. Item 6072: Rules & Regulations have been requested by some parties, but parties have not yet discussed scope, cost and timeframe. Similar to above comment, consider refining this work with the pools, gain approval, and bring back later as an amendment to the budget.
3. Item 7202.2: New recharge projects have not been approved by RIP-Com and the parties.
4. Item 7206: Similarly increased recharge O&M has not been approved. Remove increase from budget, run by GRCC to justify, amend at later date.

Budget Item No.	Description	Reduce by:
6072	Legal - Rules & Regulations	\$ 65,875.00
7202.2	Recharge - engineering	246,952.00
7206	Recharge - O&M	254,075.00
7507	Groundwater Quality Management Plan	90,794.00
7614	Storage and Recovery Master Plan	105,986.00
6906.1	OBMP – Watermaster Model	62,958
6907.4	Storage Agreements (legal)	43,300
7210	2023 RMPU Scoping	45,012

Please let me know if you have any questions or concerns regarding these comments.

Sincerely,
John Bosler, Chair
Chino Basin Appropriative Pool

**RESOLUTION OF THE CHINO BASIN WATERMASTER APPROPRIATIVE POOL
REGARDING WATERMASTER CONSIDERATION OF APPROVAL OF THE 2020
STORAGE MANAGEMENT PLAN FINAL REPORT DATED DECEMBER 11, 2019**

WHEREAS, commencing December 2016 Watermaster initiated a process involving a series of stakeholder discussions with the goal of developing a storage management plan in connection with an update to the Optimum Basin Management Program; and

WHEREAS, through several participative workshops a report titled Chino Basin Storage Framework Investigation (SFI) finalized in January 2019; and

WHEREAS, following development of the SFI Watermaster developed a list of issues compiled in a report titled 2020 SMP White Paper; and

WHEREAS, Watermaster conducted a series of workshops as part of the process to develop the 2020 Storage Management Plan Final Report dated December 11, 2019 (2020 SMP); and

WHEREAS, Sections 2.1-2.6 of the 2020 SMP contain suggested subjects for *potential amendment* of the Optimum Basin Management Program Implementation Plan Program Elements 8 and 9, amendments to the Peace Agreement and amendments to the Watermaster Rules and Regulations; and

WHEREAS, in its April 9, 2020 staff report, Watermaster staff stated approval of Sections 2.1-2.6 of the 2020 SMP does not constitute a binding commitment by the parties and/or Watermaster to any specific actions described therein; and

WHEREAS, for purposes of clarifying the relationship between the 2020 SMP and any following actions including the OBMP IP Program and amendments to the Peace Agreement, at its April 9, 2020 meeting the Appropriative Pool took action to: *Recommend Advisory Committee support Watermaster Board approval of the 2020 Storage Management Final Report Section 2.1-2.6 as the Storage Management Plan providing "guidance" for the preparation of the "desired" documentation,* and

WHEREAS, the Appropriative Pool recognizes the importance of the 2020 SMP serving as a guidance document for purposes of the OBMP IP or amendments to the Peace Agreement without binding or prejudicing Judgment parties or Watermaster to a particular course of action or agreement, and

WHEREAS, the 2020 SMP is relevant to resolving issues raised concerning the amount of water in storage and potential impacts on the Chino Groundwater Basin, and

WHEREAS, the Appropriative Pool paid about 97% of the 2020 SMP and related documents preparation expense which is approximately \$1 million including Appropriative Pool members collective participative time and expense.

NOW, THEREFORE, THE APPROPRIATIVE POOL HEREBY RESOLVES AS FOLLOWS:

1. Peace Agreement parties are not bound by the 2020 SMP, and
2. Negotiation and execution of a Peace Agreement Amendment by all Peace Agreement parties is required to implement the 2020 SMP; and
3. The 2020 SMP is only a Watermaster guidance/planning document, is not a contract that determines Peace Agreement Amendment terms and does not operate as a contract or commitment by Watermaster or Judgment parties to implement the 2020 SMP or any of its provisions absent a Peace Agreement Amendment, whether the Peace Agreement Amendment conforms or does not conform with the 2020 SMP; and
4. Subject to the acknowledgements set forth in paragraphs 1, 2, and 3 above, the Appropriative Pool advises and recommends that the 2020 SMP be approved by Watermaster.

May 14, 2020

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL – SPECIAL MEETING
May 19, 2020

The Appropriative Pool special meeting was held via conference call on May 19, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Steven Ledbetter for Rosemary Hoerning	City of Upland
Steven Ledbetter for Rosemary Hoerning	West End Consolidated Water Company
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Josh Swift	Fontana Union Water Company
Ben Lewis	Golden State Water Company
Dave Crosley	City of Chino
Courtney Jones	City of Ontario
Nadia Loukeh for Clarence Mansell	West Valley Water District

OTHERS PRESENT ON CALL

Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Justin Scott-Coe	Monte Vista Water District
Eric Fordham	GeoPentech
Eduardo Espinoza	Cucamonga Valley Water District
Praseetha Krishnan	Cucamonga Valley Water District
Thomas Harder	Thomas Harder & Co.
Jimmy Gutierrez	Jimmy L. Gutierrez, A Law Corporation
John Schatz	John J. Schatz, Attorney at Law

CALL TO ORDER

Chair Bosler called the Appropriative Pool special meeting to order at 9:30 a.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Bosler called for a confidential session at 9:30 a.m. to discuss the following:

1. 2020 Safe Yield Reset
2. OBMPU/Storage Management Plan/Implementation Plan

Confidential session concluded at 11:06 a.m. with no reportable action.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool special meeting at 11:06 a.m.

Secretary: _____

Approved: _____

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL – SPECIAL MEETING
May 20, 2020

The Appropriative Pool special meeting was held via conference call on May 20, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Brian Lee	San Antonio Water Company
Chris Berch	Jurupa Community Services District
Ron Craig	City of Chino Hills
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Scott Burton	City of Ontario
Josh Swift	Fontana Union Water Company
Dave Crosley	City of Chino

OTHERS PRESENT ON CALL

Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Katie Gienger	City of Ontario
Justin Scott-Coe	Monte Vista Water District
Courtney Jones	City of Ontario
Eric Fordham	GeoPentech
Eduardo Espinoza	Cucamonga Valley Water District
Steve Nix	City of Upland
Eric Tarango	Fontana Water Company
John Schatz	John J. Schatz, Attorney at Law
Eunice Ulloa	City of Chino

CALL TO ORDER

Chair Bosler called the Appropriative Pool special meeting to order at 10:00 a.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Bosler called for a confidential session at 10:00 a.m. to discuss the following:

1. 2020 Safe Yield Reset
2. OBMPU/Storage Management Plan/Implementation Plan

Confidential session concluded at 12:04 p.m. with the following reportable action:

The Pool authorized the distribution of the attached Safe Yield Reset letter.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool special meeting at 12:04 p.m.

Secretary: _____

Approved: _____

Attachment:

1. 20200520 Letter from AP to P. Kavounas re 2020 SYR Including Tech Review by T. Harder

Appropriative Pool

Chair: John Bosler
Vice-Chair: Cris Fealy

Chino Basin Watermaster

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



May 20, 2020

Mr. Peter Kavounas
General Manager
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Re: 2020 Safe Yield Reset

Dear Mr. Kavounas:

Although an abbreviated review period has not afforded sufficient time for more information, subject to the scope of information provided by Watermaster the majority of the Appropriative Pool does not oppose the proposed 131,000 acre-feet per year 2020 Safe Yield Reset.

The AP, however, strongly and unanimously recommends Watermaster's consideration of the following in connection with future Safe Yield Resets, including possible interim refinements to the 2020 Safe Yield Reset. These items are intended to improve the process and outcome.

1. A predictive uncertainty analysis has become an industry standard procedure when using complex models to inform groundwater management decisions. The analysis would involve developing multiple versions (preferably hundreds) of the Chino Valley Model, each with unique parameter distributions. Further details regarding this are included in the attached April 23, 2020 Thomas Harder & Co. letter (Harder SYR Letter) submitted to Watermaster.
2. Conducting a check-in on groundwater storage for the period 2011 to 2018 using the criteria described in the attached Harder SYR Letter.
3. Compute the Safe Yield for the 2020 to 2030 time period based on a long-term projected net recharge from at least 2020 to 2050 in order to smooth out short-term hydrologic conditions such as the lingering impacts of recent historic dry conditions.
4. Use the above information to inform the Appropriative Pool with respect to redetermining the Safe Yield for the 2020 to 2030 time period.

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Bosler', is written over a light blue rectangular background.

John Bosler, Chair
Chino Basin Appropriative Pool

April 23, 2020

Mr. John Schatz, Esq
P.O. Box 7775
Laguna Niguel, CA 92607

Re: Technical Review of the Models and Methodology Used as a Basis for the 2020 Safe Yield Reset

Dear Mr. Schatz,

As requested by the Chino Basin Watermaster Appropriative Pool (AP), I have participated in a technical review of the Chino Basin 2020 Safe Yield Reset process since July 2019. That process has included attendance and active participation at the following meetings:

- July 23, 2019 Technical Review Meeting at Wildermuth Environmental, Inc. (WEI).
- January 27, 2020 Technical Review Meeting at WEI.
- March 27, 2020 Technical Review Conference Call.
- March 31, 2020 Technical Review Conference Call.

In addition to participation in these meetings/conference calls, I reviewed WEI's documentation of the 2020 Safe Yield Reset entitled "2020 Safe Yield Recalculation Final Report," dated April 2, 2020 (WEI, 2020).¹ This letter summarizes my findings, comments, and recommendations resulting from participation in the 2020 Safe Yield Reset process.

General Observations

Compliance with Methodology to Estimate Safe Yield

The 2020 Safe Yield Reset is a Court-ordered reassignment of the Safe Yield of the Chino Basin, in accordance with the 2000 Optimum Basin Management Plan (OBMP) Implementation Plan.^[2]

¹ WEI, 2020. 2020 Safe Yield Recalculation Final Report. Dated April 2, 2020.

² Program Element 8 Develop and Implement Groundwater Storage Management Program: Section (f)

Thomas Harder & Co.
1260 N. Hancock St., Suite 109
Anaheim, California 92807
(714) 779-3875

This document requires the Safe Yield of the basin to be redetermined in 2010 and every ten years thereafter. The Court-ordered methodology for redetermining the Safe Yield is defined in the Chino Basin Watermaster (Watermaster) Rules and Regulations,³ including Exhibit A.⁴ The methodology described in WEI (2020) to estimate the Safe Yield of the Chino Basin for the period from 2021 to 2030 generally follows the methodology described in Appendix A to the Safe Yield Reset Agreement. Watermaster Rules and Regulations Section 6.5 specifies “The reset will rely upon long-term hydrology and will include data from 1921 to the date of the reset evaluation.” As described in WEI (2020), the 2020 Safe Yield estimation relies on precipitation data for the period 1950 to 2011 and does not include precipitation data extending back to 1921 as was specified in the Rules and Regulations Section 6.5 (d). As such, the methodology used in the 2020 Safe Yield reset does not explicitly comply with the Chino Basin Rules and Regulations.

The Court-approved methodology to estimate the Safe Yield of the Chino Basin relies on a series of models to simulate the distribution and movement of water at the land surface, within the unsaturated zone, and within the aquifer system. While there is no explicit statement in WEI (2020) or previous Safe Yield Reset documentation that says so, it is assumed that the Watermaster considers these models appropriate to help determine the Safe Yield because they are widely-accepted, widely-tested, and/or acceptably calibrated to measured data. Indeed, the latest versions of the Chino Basin models are calibrated to an extensive dataset within what would be considered industry standards.

Uncertainty in the Model Parameters Used to Calibrate the Models

While the models used to determine the Safe Yield of the Chino Basin can be considered calibrated, there is significant uncertainty in the numerous combinations and distributions of parameters derived to achieve calibration and it is not possible that the calibration is unique. In other words, there are other combinations of parameters, all within plausible ranges, that, if assigned to the model, could result in an acceptable calibration. Each calibrated model would result in a different water budget and estimate of Safe Yield. To be clear, the magnitude of data available for developing and calibrating the Chino Basin models is extensive and it is among the best constrained models with which I have experience. Nonetheless, there is no way to directly measure all the parameters across every square inch of the basin necessary to develop a perfectly complete water budget and achieve a perfectly constrained model. A primary concern I have is that the Chino Valley Model is being presented as “accurate” and the implication is that it is the only correct model. Some model-derived data are being presented to the nearest acre-foot implying a level of accuracy that is not defensible given the uncertainty of the input parameters.

³ Chino Basin Watermaster Rules and Regulations, Section 6.5

⁴ WEI, 2015a. Reset Technical Memorandum - Methodology to Reset Safe Yield Using Long-Term Average Hydrology and Current and Projected Future Cultural Conditions. Appendix A to the Safe Yield Reset Agreement.



In reality, the model presented in the report is one of many plausible hydrogeological conceptualizations of the Chino Basin, each of which would result in a calibrated model.

There are numerous assumed or estimated parameters in the Chino Basin model, including (but not limited to):

- The configuration of model layers
- Surface water flow into the Chino Basin
- Distribution of evapotranspiration (ET) across the basin
- Storm water capture
- Managed aquifer recharge basin infiltration rates
- Initial soil moisture content
- Irrigation efficiency
- Deep infiltration lag times
- Streambed conductance
- ET extinction depth
- Subsurface inflow from adjacent basins
- Distribution and character of sediments in the subsurface
- Aquifer parameters
 - Horizontal hydraulic conductivity
 - Vertical hydraulic conductivity
 - Specific yield
 - Specific storage
- Horizontal flow barrier (i.e. fault) conductance

All these parameters, and more, are uncertain and variations in assigned values change the water budget. There is further uncertainty in the assumptions necessary to develop the future water budget that is analyzed with the model to determine the Safe Yield (projected magnitude and location of pumping, recharge, and hydrology). Depending on how the uncertainty is addressed dictates the model outcome.

Impacts of Model Uncertainty on Model Results

This uncertainty is apparent when comparing the water budgets of the previous Safe Yield reset model (WEI, 2015b)⁵ with the results of the current one (WEI, 2020).⁶ For example, changes in

⁵ WEI, 2015b. 2013 Chino Basin Groundwater Model Update and Recalculation of Safe Yield Pursuant to the Peace Agreement. Prepared for the Chino Basin Watermaster by Wildermuth Environmental, Inc., dated October 2015.

⁶ WEI, 2020. 2020 Safe Yield Recalculation Final Report. Prepared for the Chino Basin Watermaster by Wildermuth Environmental, Inc., dated April 2, 2020.



model assumptions to estimate Deep Infiltration of Precipitation and Applied Water (DIPAW) were revised between the previous model and current one that resulted in significant differences in this recharge over the previous Safe Yield estimation period from 2011 to 2020. The differences in annual DIPAW during this time period were as much as approximately 27,000 acre-ft (see Table 1). Both models were/are acceptably calibrated, but the water budgets are different. In the current model, other assumed model parameters would likely have been changed during calibration to adjust to the new recharge rates and achieve acceptable calibration. The revised DIPAW rates may be more representative than the original. However, they are still estimated and subject to change in the future as more information becomes available, as is the case for all assumed parameters in the model. If the past is any indication of the future, the next model will likely have a different set of DIPAW values, and/or other revised model input values that will likely yield different results. This type of uncertainty is inherent in all surface water and groundwater models.

Following the above observations, it is my opinion that the most significant omission from the WEI (2020) model analysis and report is an uncertainty analysis. Performance of a predictive uncertainty analysis using publicly-available software is now commonplace in the technical literature and is considered standard practice in groundwater modeling.⁷ Uncertainty analysis is also a California Department of Water Resources (CDWR) best management practice for predictive model analysis in support of the Sustainable Groundwater Management Act (SGMA).⁸ Such an analysis would consider multiple realizations of the models with ranges of parameter values, each constrained in such a way as to result in acceptable calibration. The estimated Safe Yield from each model realization would be plotted on a cumulative probability chart, which can be used to identify an acceptable range within which to manage the basin. This would provide the basin managers with a sense as to potential variability in the Safe Yield estimate, for use in making decisions.

Specific Comments to the 2020 Model Report

The following are my specific comments to the WEI (2020) 2020 Safe Yield Recalculation Final Report, dated April 2, 2020:

⁷ Beven, K.J. and P. Young. 2013. A Guide to Good Practice in Modeling Semantics for Authors and Referees. *Water Resources Research* 49 (8), 5092-5098.

Anderson, M.P., W.W. Woessner, and R.J. Hunt. 2015. *Applied Groundwater Modeling Simulation of Flow and Advective Transport*, 2nd ed. London, UK: Academic Press.

⁸ CDWR, 2016. *Best Management Practices for Sustainable Management of Groundwater – Modeling BMP*. Dated December 2016.



Title

In keeping with the estimated nature of the Safe Yield and to be consistent with the language in the Safe Yield Methodology adopted by the Court, I recommend to replace the word “Recalculation” in the title of the report with “Reset” or “Redetermination.” The same would apply to other areas of the report where “recalculation” is used.

Section 1

Section 1.2 pg. Listing of undesirable results: It should be noted that these undesirable results are listed as examples and that not all are specific to the Chino Basin.

Section 1.2 pg. 1-2, last paragraph: It would be helpful to clarify the relationship between net recharge and Safe Yield prior to this point.

Section 1.3 pg. 1-4: Is this long-term hydrology analogous to/defined by the base period?

...”meets other Safe Yield related criteria,...” Are these the criteria you discuss in Sections 1.3.1 through 1.3.5? If so, this isn't clear. If not, what are the criteria, per the title of this section? MPI is not discussed as a criterion as per the court approved methodology and consistent with the title of Section 1.3.

Section 1.3.1 pg. 1-4, 1st paragraph: The base period needs to be defined. What period was used and why was the selected period used. What is its significance with respect to the Chino Basin Safe Yield calculation? How is it applied? The connection is not clear.

Section 1.3.1 pg. 1-4, last paragraph: I'm not sure what you are saying here. If the historical record is not useable, what did you use? Is this only for land use or does it apply to precipitation as well?

Section 1.3.2 Storage pg. 1-4: Need to define what is meant by the term “operational storage space.” Presumably “operational storage” is a subset of the total storage space; has the volume and spatial distribution required for “operational storage” been defined?

Section 1.3.3 Basin Area pg. 1-5: More explanation is needed to justify assigning the recharge and discharge terms for the hydrologic boundary to the adjudicated boundary. Are you confident that the net recharge/safe yield calculated for one area and applied to another is representative?

Section 1.3.4 Cultural Conditions, pg. 1-5: There is some confusion as to what constitutes a “cultural condition.” I think a definition and examples of such would be helpful up front. For example, are groundwater production patterns, stormwater capture/recharge, storage programs, and basin re-operation considered cultural conditions? Along those lines, are the changes in drainage patterns described in Section 1.3.5 considered cultural conditions?



Section 1.4 Court Direction to Reset Safe Yield, pg. 1-6, Section 4.4, 2nd Sentence: “The reset will rely upon long-term hydrology and will include data from 1921 to the date of the reset evaluation.” The methodology described in Section 7.2, using an average precipitation from 1950 to 2011, appears to contradict what was directed by the Court.

Section 1.5 Court Approved Methodology to Calculate Safe Yield pg. 1-7, No. 5: This is a critical criterion to defining safe yield, which is not mentioned in Section 1.3.

Section 1.6 Scope of Work, pg. 1-8 Task 5: This task bullet implies that multiple planning simulations would be conducted. Did this occur?

Section 1.7 Scope of the Model Update, pg. 1-8, 2nd paragraph: We need assurance that the outflow reported by Cucamonga and Six Basins is the same as the inflow to Chino. Have the changes you implemented in the Chino Basin model been implemented in the models relied on by the neighboring basins?

Section 1.8 Scope of the Planning Projection Update, pg. 1-8, 1st paragraph: The last sentence indicates future water supply and demand information was "provided by the Parties and others." Who/what are the "others"?

Section 2

Section 2.5 Aquifer Systems pg. 2-13, 2nd paragraph: Have the aquifer and aquitard layers in the Cucamonga and Six Basins areas been revised to match the new Chino Basin conceptualization or vice versa? How do the aquifers line up at the basin boundaries? Are the conceptualizations identified in WEI (2012) and WEI (2017) the latest?

Section 2.6 Aquifer Properties pg. 2-18, Equation and 1st full paragraph: While this relationship may work in a laboratory on a sample with a known grain size distribution and cementation, it has little value in interpreting general descriptions of "sand" and "clay" from driller's logs. Attached is a typical driller's log from the Chino Basin. What is the source of the equation on the top of pg. 2-18? How was the equation on the top of page 2-18 applied to the information in a driller's log such as the one attached (see Attachment A)? This equation is similar to those published by Hazen (2011) and others. It is noted that, in most cases, it is only applicable to sediments with grain size distributions in the range of 0.1 to 0.3 mm (Fetter, 2001).

Section 2.6 Aquifer Properties pg. 2-18, 2nd paragraph: It is noted that McCuen et al., 1981 addresses soil infiltration, not specific yield.

Section 2.6.1 Compilation of Existing Well Data pg. 2-18, 1st sentence: See comment above.



Section 2.6.2 Classification of Texture and Reference Hydraulic Values for Aquifer Sediments pg. 2-18, 2nd paragraph, 2nd sentence: How have data from these pumping tests been used to constrain the texture analysis? Other than this statement, there is no mention of how pumping test data, which are specifically designed and conducted to address model needs, were used to either determine initial parameter values or constrain calibrated values. Pumping tests have been conducted on all of the Chino Basin Desalter Wells, which provides critical information for constraining aquifer parameters in one of the most vital areas of the basin – where hydraulic control is achieved and maintained. It is my opinion that data obtained from controlled pumping tests are more reliable than grain size analysis for determining hydraulic conductivity and, if interference well measurements can be obtained, storage coefficients.

Section 2.6.2 Classification of Texture and Reference Hydraulic Values for Aquifer Sediments pg. 2-19, last paragraph of section: *“Using this method, specific yield, horizontal hydraulic conductivity, and vertical hydraulic conductivity values were computed for each layer at each well location.”* Are the values computed using texture analysis initial values?

Section 2.6.4 Specific Yield pg. 2-20: What were the criteria for accepting a driller's log as useful for the analysis? Model estimated specific yields should be compared to values derived from pumping tests to confirm modeling results.

Section 2.6.5 Specific Yield pg. 2-20: Model estimated hydraulic conductivity or values derived from texture analysis should be compared to values derived from pumping tests to confirm modeling results. It is my understanding that a table of pumping test-derived hydraulic conductivity values will be provided in the final report.

Figures 2-10, 2-11, and 2-12. These figures need to be relabeled to make it clear that they are pre-calibrated parameter distributions.

Section 2.6.6 Vertical Hydraulic Conductivity pg. 2-21: It is not clear in this section how you determined vertical hydraulic conductivity.

Section 2.7 Land Subsidence in the Chino Basin pg. 2-21: Land subsidence is, in part, a function of the storage properties of the aquitards, which you have now included in the model as Layers 2 and 4. This section should include a discussion of why model layers 2 and 4 were included in the CVM and their relationship to future land subsidence evaluations. Have the inelastic and elastic storage properties that dictate aquitard compaction been incorporated into this model? As it appears that the land subsidence package has not been included in this model, when you calibrate land subsidence, you will need to adjust the elastic/inelastic storage properties during that process. During that process, it may be prudent to adjust the other aquifer parameters in the model to optimize calibration. This will cause changes to the model-predicted water budget.



Section 3

Section 3.1.1.1 Subsurface Inflow from Adjacent Groundwater Basins pg. 3-2, 1st paragraph: Is there no inflow from the Cucamonga Basin and Six Basins?

Section 3.1.1.4 MAR pg. 3-3: This should be spelled out in the title. Also, this is defined as “Managed Artificial Recharge” in some parts of the report and “Managed Aquifer Recharge” in others.

Section 3.1.2.1 Groundwater Pumping pg. 3-3: It should be noted that Agricultural pumping after 2004 is metered.

Section 3.2.5 Precipitation, 1st full paragraph on pg. 3-6 and Figure 3-13: Is the precipitation data presented in this section and shown on Figure 3-13 spatially averaged over the CVM or is this data for a specific location? In addition to providing general observations on the range of precipitation over the CVM for the historic period, as well as the occurrence of dry periods, a statistical evaluation of the distribution of rainfall data showing standard deviation bands about the mean should also be provided. An example of the statistical distribution of rainfall for a 75-year time period for a Riverside County station is provided as an example in the upper left graph of Attachment B. For comparison, the example precipitation data set is evaluated for a 10-year moving average (same time length used for the Safe Yield reset; lower left graph). These data are further evaluated to assess the probability for an average rainfall over a 10-year period exceeding the mean (graphs shown on the right). For the example shown, the probability that any 10-year period may exceed the mean rainfall for the period is 49.5% and may exceed the mean by 50% is about 18%. Using the 16th and 84th percentile distributions (+/-1 standard deviation) of rainfall to estimate DIPAW could provide additional useful information on the possible likely range in groundwater recharge for use in management decisions.

Section 3.2.5 Precipitation, last paragraph on pg. 3-6: What was the time period for the daily precipitation data used with the HSPF and R4 models?

Figure 3-7. It appears that the Cypress Channel is represented as being fully concrete lined. Based on City of Chino staff review of aerial photos, it appears that approximately 3,000 feet of the channel located immediately north of Kimball Avenue (within the CIM property) is unlined and the channel condition along this segment may be characterized as natural soft bottom.

Section 5

Section 5.1 Surface Water Models 2nd paragraph, 2nd sentence. This sentence implies you used HSPF to estimate MAR? Is that true?



Section 5.2.1 Model Domain and Grid 1st full paragraph on pg. 5-2. As noted on the March 27 technical conference call, these layers don't pinch out but are simulated with the same hydrologic parameters as the overlying layer.

Section 5.2.1 Model Domain and Grid 2nd paragraph on pg. 5-2. "*The Six Basins consists of three layers and the Cucamonga and Spadra Basins consist of two layers.*" How is the layering in the adjacent basins reconciled at the Chino Basin boundary with the 5-layer model in the Chino Basin?

Section 5.2.3 Hydraulic Properties and Zonation 1st full paragraph on pg. 5-3, 2nd sentence. "*The calculated parameter value for any model...*" Do you mean "cell" instead of "model"? If not, I don't understand this sentence.

Section 5.2.3 Hydraulic Properties and Zonation (last paragraph, page 5-3 and Table 5-1). Tabulation of the range of aquifer parameters for each zone/layer would be more meaningful than the zone coefficients.

Table 5-2: Add the range of parameter values assigned.

Section 5.2.4.1 Initial Condition In the Vadose Zone (last paragraph, page 5-3 and Figure 5-4): Considering lag time is a key parameter that relates the amount of time it takes for DIPAW to move through the vadose zone, it is recommended to include more control points than the few, widely distributed evaluated boreholes used in the model.

Section 5.2.4.1 Initial Condition In the Vadose Zone, pg 5-4, 2nd paragraph: The last sentence of the paragraph indicates the linear reservoir approach "was difficult to calibrate and created unrealistic volumes of water stored in the vadose zone." Despite the calibration difficulties, did it calibrate? Were the "unrealistic volumes of stored water" too little or too much? How is the volume of water stored in the vadose zone known to be unrealistic when using the linear reservoir approach?

Section 5.2.4.2 Initial Condition in the Saturated Zone, pg. 5-5. How much data was available to constrain the groundwater levels in the Cucamonga and Six Basins? Show control points on Figures 5-5a and 5-5b.

Section 5.2.5.1 Subsurface Inflow from Mountain Boundaries, pg. 5-5. The surface water inflow from the San Gabriel Mountains, which is the basis for the subsurface inflow, is highly uncertain.

Section 5.2.5.3 Recharge from San Gabriel Mountain Streams Tributary to the Santa Ana River, 1st paragraph, last sentence. The storm-water capture is estimated so, in this case, you are calibrating the model to estimated data. This introduces uncertainty to the results. More robust measurement of stormwater capture will improve the reliability of the calibration.



Section 5.2.5.4 Surface Water and Groundwater Interaction in the Santa Ana River and Its Lower Tributaries, 1st paragraph on pg. 5-7. Is there a reference document that you relied on to characterize the Santa Ana River streambed? If so, please cite.

Section 5.2.6.2 Streamflow-Routing Package (SFR2). What were the streambed hydraulic conductivities used for SFR2? What is the basis for the streambed hydraulic conductivity values? Do the streambed hydraulic conductivities vary from stream segment to stream segment? If so, what is that based on? Were streambed conductivities varied during PEST calibration?

Section 5.2.6.5 Evapotranspiration Segments Package (ETS), 2nd paragraph. What was the extinction depth that you assigned to the ETS package? What was it based on?

Section 5.2.6.5 Evapotranspiration Segments Package (ETS), 2nd paragraph, last sentence. “*When MODFLOW solves for groundwater elevations, the evapotranspiration rate of a model cell is determined by using the user defined relationship of evapotranspiration rate to the calculated depth.*” What user defined relationship did you use specific to this model?

Section 5.2.6.6 Horizontal-Flow Barrier Package (HFB): How did you determine the horizontal hydraulic conductivities assigned to the horizontal flow barriers (i.e. faults)?

Section 5.2.7.2 Sensitivity Process (SEN) and Observation Process (OBS) (page 5-9): This section should be expanded to include a discussion on how “Observational Sensitivities” were used in the modeling process.

Table 5-1. While I think I understand why you constructed this table the way you did, it is not very meaningful to the average reader. These values are multipliers and not actual values assigned to zones. I’d like to see a table showing the initial parameter estimate and the range of values that the initial estimate was allowed to vary during the PEST calibration.

Section 6

Section 6 – Model Calibration, 1st sentence, pg 6-1): Model calibration does not “validate” the water budget. It results in inflow and outflow values used to “estimate” the water budget.

Section 6.2.1 Calibration to Estimated Discharge and Diversion, 1st paragraph, page 6-2: Were the HSPF and R4 models calibrated based on IEUA data for the time period 2005 to 2017? Were the IEUA data rather than model data used explicitly for stormwater MAR in the model? The time range for measured data and calibrated data used in the model is not clear from the discussion in this section and in Section 5.1.

Section 6.2.1 Calibration to Estimated Discharge and Diversions, last paragraph on pg. 6-2: Is the evapotranspiration (ET) referenced in this paragraph the Puddingstone Data? Is the ET data depth-dependent? How did you determine depth-dependent ET?



Section 6.3.2 Selection of Calibration Data, 3rd paragraph. *“To ensure that the water level measurements were distributed evenly over time, and to avoid bias toward high-frequency water level measurements, a subset of water level measurements were selected for calibration purposes and the selected water levels are at least 15-days apart.”* It seems to me that if you are collecting groundwater levels at high frequency (e.g. multiple times per day or daily), selecting an average groundwater level for the month would be more representative and avoid bias or the possibility of inadvertently selecting an outlier.

Section 6.3.3 Sensitivity Analysis and Covariance Matrix, pg. 6-6, 2nd and 3rd paragraphs: Generally, parameters that are correlated either directly or inversely are tied during parameter estimation such that the parameters move together (or inversely) but not independently in order to reduce parameter estimation runs. This section indicates the correlated parameters were “excluded.” Does this mean these parameters were fixed and not included in the parameter estimation process? This would be counter to the approach generally used for parameter estimation.

Section 6.3.4.2 Calibration Results, pg. 6-8, 4th paragraph. *“...indicate that the model parameterization and the water budget for the 2020 CVM are accurate: it would not be possible to achieve good calibration in the groundwater basin and the surface water system, as indicated by the high values for the coefficient of determination and NSE index, if the model parameterization and the water budget were not accurate.”* The use of the term “accurate” is not appropriate for this model or any other model relying on assumptions and estimates with varying degrees of uncertainty to achieve calibration. Models are simplified representations of a natural system and there are inherent uncertainties in the parameters and necessary simplifications used to describe the system, which is very complex. Given this, models may or may not provide reasonable predictions (e.g. Oreskes et al. 1994,⁹ Poeter 2007,¹⁰ Doherty et al 2010,¹¹ and Rubin 2003¹²). The CVM is no different. A predictive uncertainty analysis is needed to characterize the uncertainty in the water budget and Safe Yield estimated using the CVM.

Pg. 6-7 last paragraph: Presumably meant to read "at deep wells screened in layers 3 and 5 of the so-called ...".

Section 6.3.5 Residual Analysis, pg. 6-9, 2nd paragraph. There is no statement in the report that says what this calibration means for estimating Safe Yield.

⁹ Oreskes, N., K. Schrader-Frechette and K. Belitz, 1994, Verification, Validation and Confirmation of Numerical Models in the Earth Sciences. Science, vol 263, February 4, pp.641-646.

¹⁰ Poeter, E., 2007, All models are wrong: How Do We Know Which are Useful? – Looking Back at the 2006 Darcy Lecture Tour. Ground Water, vol. 45, issue 4, pp. 390-391.

¹¹ Doherty, J. and D. Welter, 2010, A Short Exploration of Structural Noise. Water Resources Research, 46.

¹² Rubin, Y., 2003, Applied Stochastic Hydrogeology. Oxford and New York, Oxford University Press, 391 pp.



Section 6.3.6.1.3.3 MAR, pg 6-12 and Table 6-3: Table 6-3 is for the time period 1978 through 2018, though in Section 5.1 the available data for calibration is 2005 through 2018. Please clarify which data set are used for calibration.

Section 6.3.6.3 Change in Storage. This change in storage should be checked against a change in storage using changes in hydraulic head and specific yield across the model area. We need to know if the changes in storage estimated from the model/spreadsheet are consistent with what is physically happening in the basin.

Section 6.3.6.4 Total Basin Storage, table at the top of pg. 6-15. Quantifying the storage in the basin to the nearest acre-ft suggests a level of accuracy that is not realistic. These should be rounded.

Section 6.3.7 Net Recharge, 2nd table on pg. 6-15. Same comment as for Section 6.3.6.4.

Table 6-2. Initial and Calibrated Parameter Zone Scalers: The table should include the range of actual values derived for each zone as well as the bounds that PEST was allowed to vary during calibration.

Table 6-3. Water Budget for the Chino Basin for the Calibration Period: Please identify which data are estimated (modeled) and which are measured.

Section 6 Figures: The horizontal hydraulic conductivity and specific yield parameter distribution maps from the calibrated model, as provided via email from WEI on April 15, 2020 in response to my request for information, should be included in the report (see my comments to these data starting on pg. 10 below). In addition, I'd like to see parameter distribution maps for vertical hydraulic conductivity for each layer of the model provided in the report as well. Further, aquifer parameters derived from pumping tests should be shown on the maps or provided in a table and referenced to a location on the maps. The table of "stress derived hydraulic conductivities" and calibrated model aquifer parameters provided via email on April 15, 2020 will suffice although I'd like the well locations in the table shown on the aquifer parameter maps of horizontal hydraulic conductivity.

Section 7

Section 7.2 Long-Term Historical Records Used to Estimate Net Recharge (procedures, pages 7-2 and 7-3, Table 7-2 and Figures 7-6 and 7-7). The use of the long-term average precipitation and ET_0 in the HSPF and R4 simulations with DWR change factors should also include application of the 16th and 84th percentile precipitation and ET_0 values to provide upper and lower bounds for estimated DIPAW. Such a range can be incorporated into an uncertainty analysis as part of an overall assessment of the potential projected range in Safe Yield of the basin.



Section 7.3 Present and Projected Future Cultural Conditions, 1st sentence. It was my understanding that land subsidence will be evaluated with a future version of the model. If that is still the case, this sentence should be modified to reflect that.

Section 7.3.1.1 Groundwater Pumping Projections, pg. 7-5, 2nd paragraph. Pumping distribution and magnitude could change the Safe Yield of the basin. Potential changes in pumping patterns should be evaluated to assess how we can optimize the basin and preserve Safe Yield.

Section 7.3.1.2 Methodology to Project Replenishment Obligations, pg. 7-7: This description indicates it was assumed that 80% of replenishment would occur via unused pumping rights and stored water. Presumably, the 80% assumption has some influence on the Safe Yield estimate. Knowing (now) that this assumption influences the calculated Safe Yield, the Appropriators may opt to modify their behavior and cause more (or less) replenishment to be satisfied from storage than 80%. This is just one example of how the model should be used as a tool for the development of the Safe Yield recalculation and not the sole predictor of Safe Yield.

Section 7.3.2 Impacts of Drought and Future Water Conservation Vadose Zone Storage Initial Conditions: While this section describes discrete periods of relatively recent drought, what would be the effect of using stored water rather than using replenishment water to augment the calculated net recharge, assuming this would become a temporary adjustment (increase) to the reset SY?

Section 7.3.2, last paragraph. All the parameters listed in this paragraph, with the possible exception of the initial groundwater levels, are estimated. These estimated values resulted in the DIPAW recharge term, which is also estimated. This comment is only to emphasize that the use of the term “accurate” in Section 6.3.4.2 is inappropriate and misrepresents the reliability of the model.

Section 7.3.3 Conservation Related Impacts of Assembly Bill 1668 and Senate Bill 606, pgs 7-9 and 7-10: While the imposed irrigation ETAF will likely result in reduced DIPAW and net recharge and Safe Yield, has the implied irrigation reductions also been accounted for in the planned water demand scenarios? One would think the conservation effort would offset the amount of water used.

Section 7.4.3 Change in Storage, pg. 7-10, 1st paragraph of section: Is the controlled overdraft of the basin accounted for in the methodology to estimate Safe Yield? If so, how?

Section 7.4.4 1st Table. For the recharge components, there are two rows that appear to represent Santa Ana River Streambed Infiltration. I believe one of them may represent streambed infiltration from Santa Ana River tributaries(?) Also, the last recharge component for Managed Artificial Recharge appears to be cut off – should be “Recycled and Imported.”

Section 7.4.4, pg. 7-12, 2nd paragraph and Figure 7-7. The reduction in net recharge for the 2021 to 2030 time period resulting from carryover of the extreme dry period in the 20 years preceding the planning period is a relatively short-term phenomenon and does not represent a long-term



hydrological average. The Safe Yield should be estimated by more than just 10 years into the future in order to average out relatively short-term climatic variations, such as the recent dry period.

Section 7.6 Recommended Safe Yield. In implementing the methodology for estimating Safe Yield described in Section 7.1, did you identify MPI in any of the iterative model runs to determine Safe Yield, as per No. 5 of that section? If so, at what initial Safe Yield did you determine MPI, what was the nature of the MPI, and where did it occur?

Section 7.6 Recommended Safe Yield. It appears that the Safe Yield is estimated from the average net recharge of the time period from 2020 to 2030. However, there is nothing in the Court-ordered methodology or Rules and Regulations that require Watermaster to limit the prospective time period over which the net recharge is estimated to the 10-year period over which the Safe Yield will be applied. In fact, it is contrary to relying on a long-term hydrology as a basis for the estimate.

Appendix B: The appendix includes three WEI memos, one dated 2/6/20 and two others dated 2/11/20. The 2/6 memo indicates the step 7 density analyses were performed independently by two to three persons and then those results were averaged. What was the variability in the spread of the independent analyses? One of the 2/11 memos describes the assumptions attributable to septic system contributions to groundwater recharge, and indicates the “unit” contributions decrease with time. Most existing septic systems have been in-service for decades, and if true then what explanation(s) are provided to support assumed decreasing contribution to groundwater recharge? It does not seem reasonable to assume their operational efficiencies have changed. The other 2/11 memo discusses groundwater discharged from aquitards due to land subsidence, and indicates such contribution is considered negligible. Please provide what estimated volume would be anticipated and considered negligible.

Appendix D, D-162. The message of the figure is not evident.

Comments to the Supplemental Data Provided by Wildermuth Environmental via Technical Memorandum on April 15, 2020

Following the January 27, 2020 Safe Yield Reset meeting, I prepared a Technical Memorandum, dated February 3, 2020, with additional questions and a request for additional data. WEI provided data and responses to this request in a Memorandum dated April 15, 2020. The following are my comments regarding the data provided by WEI:

Pg. 2 second to last paragraph and Table 1: WEI has stated that the stress test hydraulic conductivities that I provided for the Chino Basin Desalter wells were based on Jacob’s straight-line solution for confined aquifers and that, in so doing, the values are overestimated because the aquifer is unconfined. The application of the Jacob straight line method for estimating aquifer



transmissivity and hydraulic conductivity can easily be corrected by plotting and analyzing adjusted drawdown values using the following relationship:¹³

$$s' = s - \frac{s^2}{2h}$$

Where:

s' = adjusted drawdown (ft)

s = measured drawdown (ft)

h = aquifer thickness (ft)

For the stress test-derived horizontal hydraulic conductivity at Chino II-2, the value in Table 1 of the WEI response to comments is approximately 400 ft/day. When the correction is applied to the drawdown data, the adjusted hydraulic conductivity for unconfined conditions is approximately 470 ft/day. Both corrected and uncorrected values are significantly higher than the value used in the calibrated model for that location (approximately 85 ft/day). Hydraulic conductivity values derived from pumping tests are higher than model calibrated values at all of the desalter wells. Were the stress test horizontal hydraulic conductivity data summarized in Table 1, or a corrected version, used to constrain aquifer parameterization during calibration? What were the upper and lower bounds assigned to the initial hydraulic conductivity values in PEST? Was the prior information from the stress test data used to constrain the bounds assigned to PEST? Were they allowed to vary as high as the values derived from pumping tests?

Figure 3. There is a significant change in horizontal hydraulic conductivity along straight lines in multiple locations of Layers 1 and 2. These lines correlate to parameter zones described in WEI (2020). It is noted that, from a conceptual perspective, sediments would not be expected to be deposited with linear boundaries as shown on these maps. There is likely a high degree of uncertainty in how these zones are simulated in the model. It is further noted that the horizontal hydraulic conductivities shown for Layer 1 along Bellgrave Avenue and in the vicinity of Mission Boulevard and the 60 Freeway are lower than indicated from pumping test-derived data.

Page 3, Equation at the top of page. This relationship applies to horizontal flow of water in an aquifer and is representative if there isn't significant vertical flow of water in the borehole. Are

¹³ Kruseman, G.P. and De Ridder, N.A., 1970. *Analysis and Evaluation of Pumping Test Data*. Bulletin 11. International Institute for Land Reclamation and Improvement, Wageningen, The Netherlands.



there significant hydraulic head differences between aquifers in the model? If so, what are the magnitude of differences?

Page 3, last paragraph, last sentence. While the residuals at the Ayalla Park monitoring well may not impact the Safe Yield estimate significantly, future calibration for land subsidence will involve changes to the aquifer storage properties in this area, which may improve groundwater level calibration but will also change the water budget and could result in changes to the Safe Yield.

Summary and Recommendations

As mentioned earlier in this letter, the biggest omission in the 2020 Safe Yield Recalculation is a predictive uncertainty analysis. Such an analysis has become an industry standard procedure when using complex models to inform groundwater basin management decisions. The predictive uncertainty analysis would involve developing multiple versions (preferably hundreds) of the Chino Valley Model, each with unique parameter distributions. The unique model distributions can be developed automatically using PEST and its associated utility programs. Parameter bounds would be selected to be within plausible ranges based on available data. The water budgets for realizations with acceptable model calibrations would then be processed to determine the Safe Yield for each realization, resulting in a range of Safe Yield estimates for the basin. I recommend conducting this analysis prior to finalizing the Safe Yield for the next 10 years.

In addition to the predictive uncertainty analysis and prior to finalizing the Safe Yield, I recommend the following:

- Conduct a check of the change in groundwater storage for the period 2011 to 2018 using the following relationship:

$$V_w = (S_y)(A)(\Delta h)$$

Where:

V_w	=	the volume of groundwater storage change (acre-ft).
S_y	=	specific yield of aquifer sediments (unitless).
A	=	the surface area of the aquifer within the Chino Basin (acres).
Δh	=	the change in hydraulic head (i.e. groundwater level) (feet).

The change in groundwater storage will be specific to the shallow aquifer (Model Layer 1). The areal distribution of specific yield should be the same as that used in the calibrated model used to estimate Safe Yield. Either model-generated or hand-drawn groundwater contours for 2011 and 2018 would be exported to/digitized in GIS software, which can then be used to calculate the change in hydraulic head across the area. The



storage change estimated in this way would then be compared to the change in storage shown in Table 6-3 of the model report WEI (2020).

- Compute the Safe Yield for the 2020 to 2030 time period based on a long-term projected net recharge from at least 2020 to 2050 in order to smooth out short-term hydrologic conditions such as the lingering impacts of recent historic dry conditions.
- Use the above information to inform the AP for redetermining the Safe Yield of the Chino Basin for the 2020 to 2030 time period.

I appreciate the opportunity to provide hydrogeological consulting services to the Chino Basin Watermaster Appropriative Pool. If you have any questions, feel free to contact me at (714) 394-4449.

Sincerely,



Thomas Harder, P.G., C.HG.
Principal Hydrogeologist



Comparison of DIPAW for the Period 2011 - 2020

Yr	DIPAW in 2015 Model ¹	DIPAW in 2020 Model ²	Difference in DIPAW Between 2015 and 2020 Models
2011	81,096	88,763	7,667
2012	91,059	84,009	-7,050
2013	90,236	80,130	-10,106
2014	91,466	78,395	-13,071
2015	91,550	75,817	-15,733
2016	95,445	73,547	-21,898
2017	96,220	72,874	-23,346
2018	96,705	69,532	-27,173
2019	95,553	68,414	-27,139
2020	94,200	70,654	-23,546
Average 2011 - 2020			-16,140

* All values are in acre-ft

¹ Wildermuth Environmental, 2015. 2013 Chino Basin Groundwater Model Update and Recalculation of Safe Yield Pursuant to the Peace Agreement. Table 7-6.

² Wildermuth Environmental, 2020. 2020 Safe Yield Recalculation - Administrative Draft Report. Tables 6-3 and 7-2.

Yellow highlighted cells are based on model projections.

Attachment A

ORIGINAL
File with DWR

APR 30 1977

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

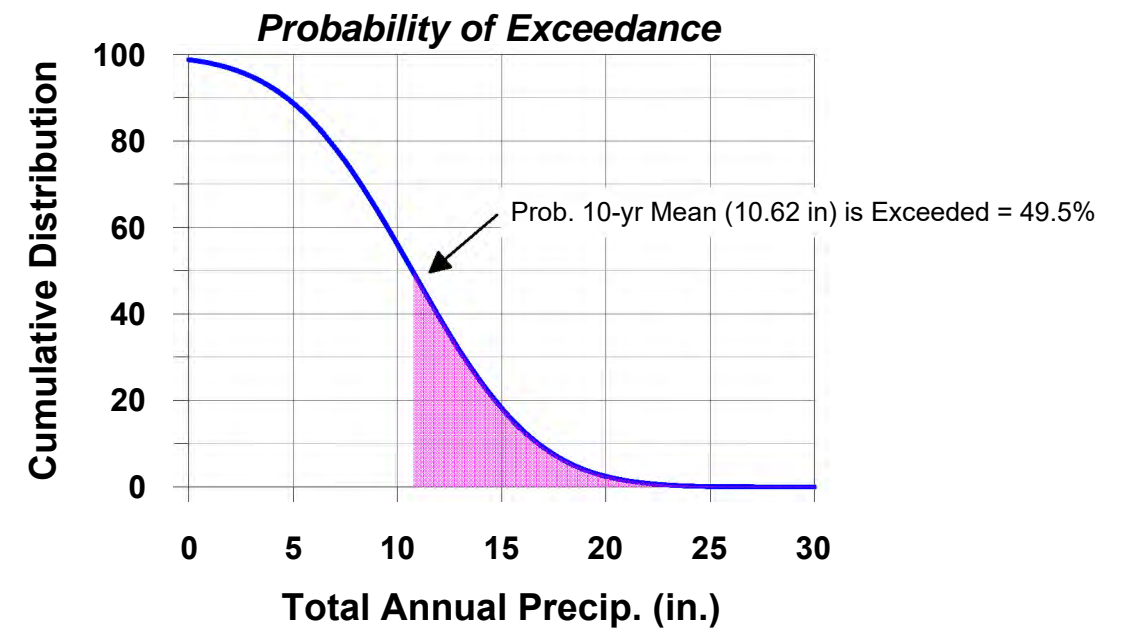
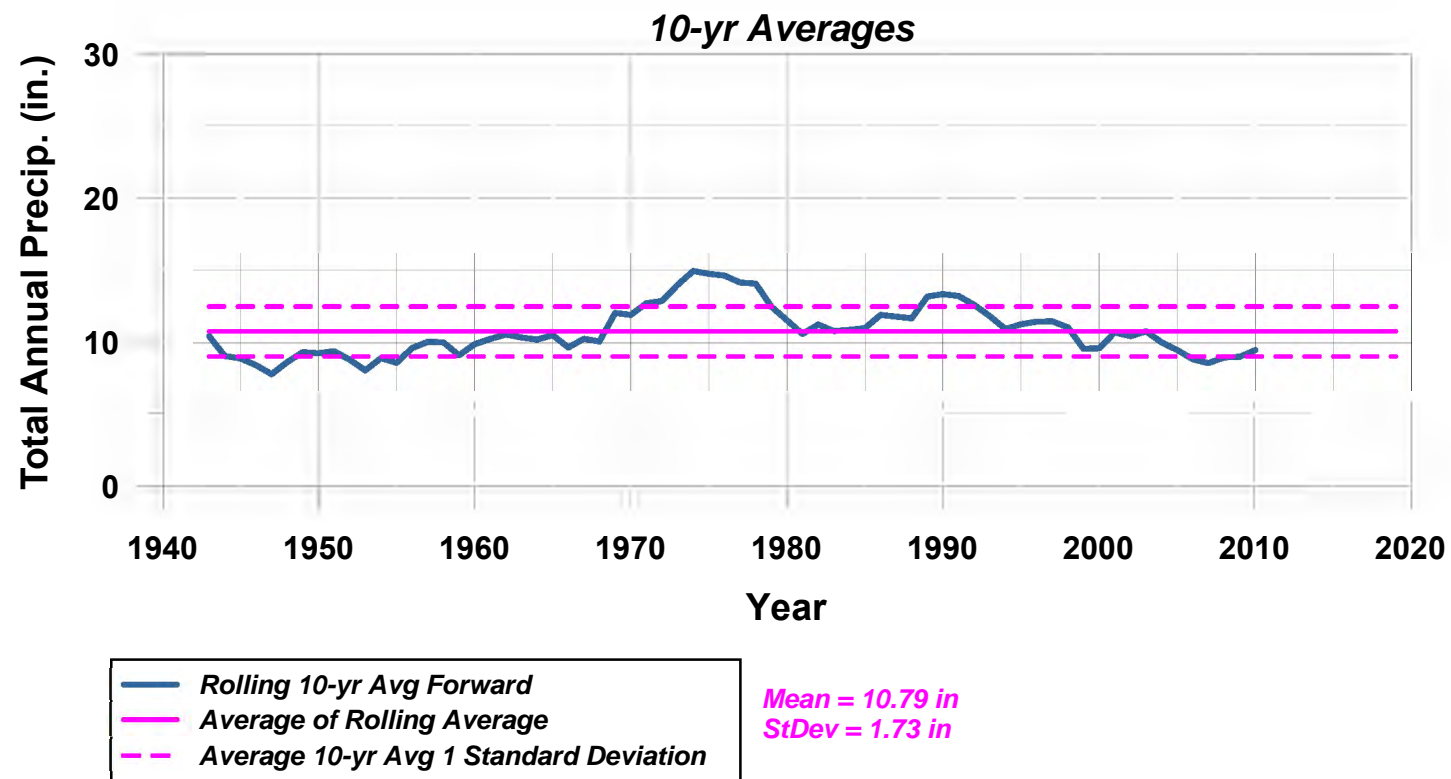
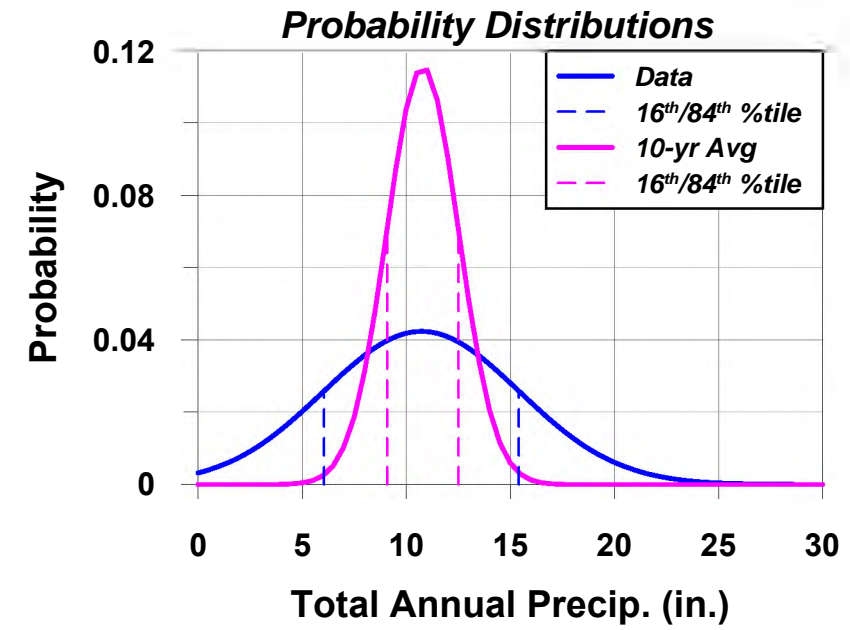
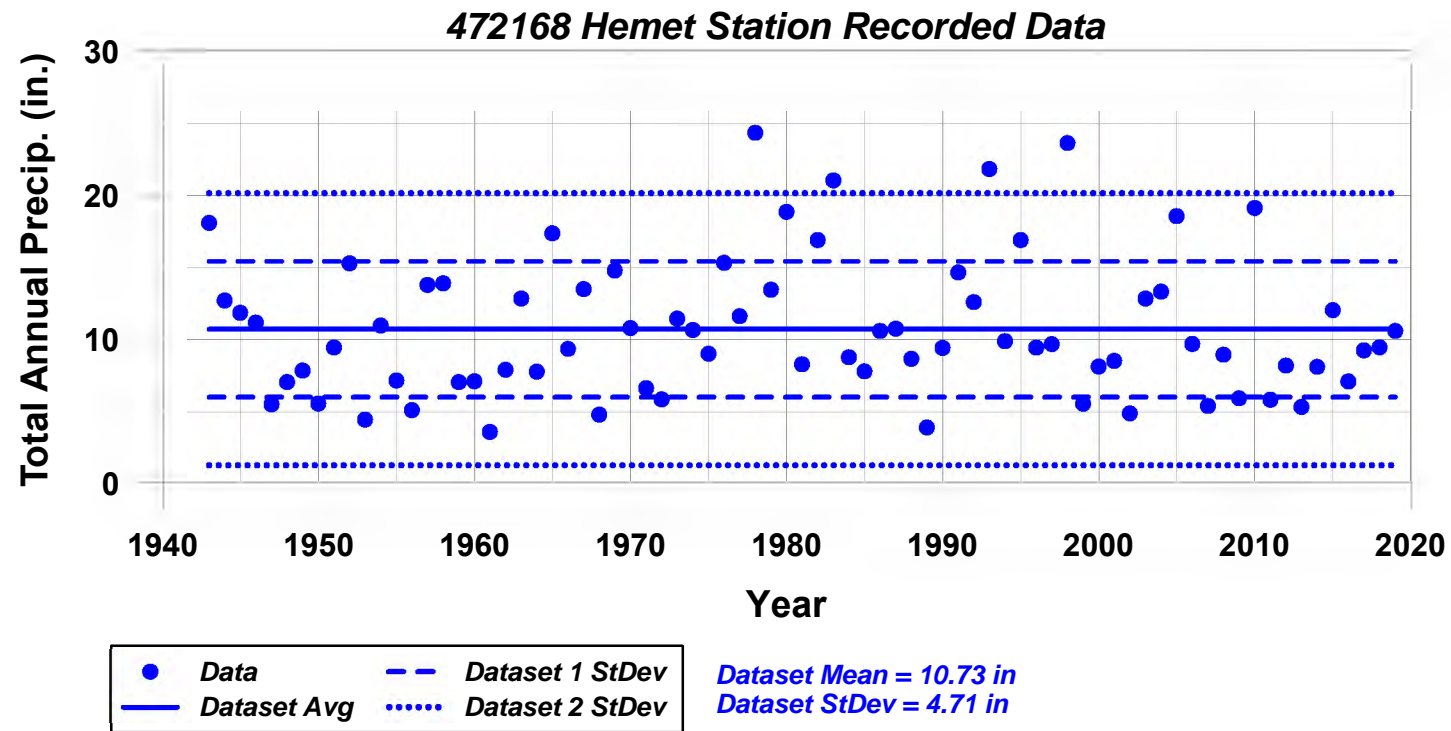
Do Not Fill In
No 107275

State Well No. _____
Other Well No. 025/07W/17E

(1) OWNER: Name _____ Address _____				(11) WELL LOG: Total depth <u>454</u> ft. Depth of completed well <u>450</u> ft. Formation: Describe by color, character, size of material, and structure <u>0 to 50 Conductor</u> ft. to _____ ft.																	
(2) LOCATION OF WELL: County <u>San Bernardino</u> Owner's number, if any _____ Township, Range, and Section _____ Distance from cities, roads, railroads, etc. <u>500' East of Walker and 250' South of Schaeffer</u>				50 98 Sand and Gravel 98 136 Clay and Streaks of Gravel 136 161 Gravel 161 164 Fine and Coarse Sand 164 168 Clay 168 170 Sand and Gravel 170 175 Clay 175 190 Sand, Gravel and Clay Streaks 190 204 Sand and Gravel 204 206 Clay 206 212 Sand, Gravel and Clay Streaks 212 230 Clay 230 240 Sand and Gravel 240 249 Clay 249 255 Sand and Gravel 255 265 Clay 265 270 Sand and Gravel 270 284 Clay 284 296 Sand and Gravel 296 300 Clay 300 361 Sand, Gravel and Boulders 361 406 Sand and Gravel 406 410 Clay 410 425 Sand and Gravel 415 426 Clay 426 450 Sand and Gravel 450 454 Clay <i>elev 720</i>																	
(3) TYPE OF WORK (check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Destroying <input type="checkbox"/> If destruction, describe material and procedure in Item 11.				(5) EQUIPMENT: Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Other <input type="checkbox"/>																	
(4) PROPOSED USE (check): Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/>				(6) CASING INSTALLED: STEEL: OTHER: SINGLE <input checked="" type="checkbox"/> DOUBLE <input type="checkbox"/> If gravel packed _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>From ft.</th> <th>To ft.</th> <th>Diam.</th> <th>Gage or Wall</th> <th>Diameter of Bore</th> <th>From ft.</th> <th>To ft.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>450</td> <td>16</td> <td>1/4</td> <td>26"</td> <td>0</td> <td>454</td> </tr> </tbody> </table> Size of shoe or well ring: <u>Bull Nose</u> Size of gravel: <u>3/8" Pea</u> Describe joint: <u>Butt Weld</u>				From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.	0	450	16	1/4	26"	0	454
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.															
0	450	16	1/4	26"	0	454															
(7) PERFORATIONS OR SCREEN: Type of perforation or name of screen <u>Vertical Mill Slot</u> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>From ft.</th> <th>To ft.</th> <th>Perf. per row</th> <th>Rows per ft.</th> <th>Size in. x in.</th> </tr> </thead> <tbody> <tr> <td>280</td> <td>450</td> <td>16</td> <td>4</td> <td>2 1/2 X 1/8</td> </tr> </tbody> </table>				From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.	280	450	16	4	2 1/2 X 1/8	850 GPM @ 190' Pump Level 1200 GPM @ 202' Pump Level 1700 GPM @ 224' Pump Level 2000 GPM @ 237' Pump Level							
From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.																	
280	450	16	4	2 1/2 X 1/8																	
(8) CONSTRUCTION: Was a surface sanitary seal provided? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> To what depth <u>50</u> ft. Were any strata sealed against pollution? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note depth of strata _____ From _____ ft. to _____ ft. From _____ ft. to _____ ft. Method of sealing <u>30" Conductor Cemented in 36" Hole</u>				Work started <u>6-30-76</u> , Completed <u>10-18-76</u> WELL DRILLER'S STATEMENT: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. NAME <u>McCalla Bros.</u> (Person, firm, or corporation) (Typed or printed)																	
(9) WATER LEVELS: Depth at which water was first found, if known _____ ft. Standing level before perforating, if known _____ ft. Standing level after perforating and developing <u>149</u> ft.				Address <u>3819 West First Street</u> <u>Santa Ana, CA 92703</u> [SIGNED] <u>[Signature]</u> (Well Driller)																	
(10) WELL TESTS: Was pump test made? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, by whom? <u>McCalla Bros.</u> <u>2000</u> gal./min. with <u>88</u> ft. drawdown after <u>37</u> hrs. Temperature of water _____ Was a chemical analysis made? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Was electric log made of well? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, attach copy _____				License No. <u>196824</u> Dated <u>April 26, 1977</u> , 19____																	

SKETCH LOCATION OF WELL ON REVERSE SIDE

Attachment B



DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL – SPECIAL MEETING
May 27, 2020

The Appropriative Pool special meeting was held via conference call on May 27, 2020.

APPROPRIATIVE POOL MEMBERS PRESENT ON CALL

John Bosler, Chair	Cucamonga Valley Water District
Cris Fealy, Vice-Chair	Fontana Water Company
Cris Fealy	Nicholson Trust
Van Jew	Monte Vista Water District
Van Jew	Monte Vista Irrigation Company
Brian Lee	San Antonio Water Company
Chris Berch	Jurupa Community Services District
Ron Craig	City of Chino Hills
Sam Gershon	Santa Ana River Water Company
Chris Diggs	City of Pomona
Scott Burton	City of Ontario
Josh Swift	Fontana Union Water Company
Dave Crosley	City of Chino
Nadia Loukeh for Clarence Mansell	West Valley Water District
Steve Ledbetter for Rosemary Hoerning	City of Upland
Steve Ledbetter for Rosemary Hoerning	West End Consolidated Water Co.

OTHERS PRESENT ON CALL

Shawnda Grady	Ellison Schneider Harris & Donlan, LLP
Katie Gienger	City of Ontario
Justin Scott-Coe	Monte Vista Water District
Courtney Jones	City of Ontario
Eduardo Espinoza	Cucamonga Valley Water District
John Schatz	John J. Schatz, Attorney at Law
Jimmy Gutierrez	Jimmy L. Gutierrez, A Law Corporation
Praseetha Krishnan	Cucamonga Valley Water District
Nicole DeMoet	City of Upland

CALL TO ORDER

Chair Bosler called the Appropriative Pool special meeting to order at 12:00 p.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Bosler called for a confidential session at 12:00 p.m. to discuss the following:

1. OBMP Update
2. 2020 Storage Management Plan
3. OBMP Update Implementation Plan Agreement

Confidential session concluded at 1:15 p.m. with the following reportable action:

By consensus, the Pool directed the Chair and legal counsel to provide draft Implementation Plan to parties and Watermaster, and direct correspondence to Watermaster regarding storage limitation.

ADJOURNMENT

Chair Bosler adjourned the Appropriative Pool special meeting at 1:15 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. BUSINESS ITEM – ROUTINE (ONAP)

A. MINUTES

1. Non-Agricultural Pool Meeting held on May 15, 2020

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING
May 15, 2020

The Non-Agricultural Pool meeting was held by GoToMeeting (conference call and web meeting) on May 15, 2020.

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Brian Geye, Chair	California Speedway Corporation
Bob Bowcock, Vice-Chair	CalMat Co.
Ramsey Haddad	California Steel Industries, Inc.
Christopher Quach	City of Ontario (Non-Ag)
Van Jew	Monte Vista Water District (Non-Ag)
Michael Adler for Natalie Costaglio	Hamner Park Associates, a California Limited Partnership

WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Janine Wilson	Senior Accountant
Vanessa Aldaz	Administrative Assistant

WATERMASTER STAFF PRESENT ON CALL

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. and Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager

WATERMASTER CONSULTANTS PRESENT ON CALL

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	Wildermuth Environmental, Inc.
Mark Wildermuth	Wildermuth Environmental, Inc.

NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL

Allen Hubsch	Loeb & Loeb, LLP
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OTHERS PRESENT ON CALL

Scott Burton	City of Ontario (Non-Ag)
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CALL TO ORDER

Chair Geye called the Non-Agricultural Pool meeting to order at 2:03 p.m.

ROLL CALL

(0:03:22) Ms. Nelson conducted the roll call.

AGENDA – ADDITIONS/REORDER

None

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held April 9, 2020

(0:10:20)

Motion by Mr. Christopher Quach, seconded by Vice-Chair Bowcock. The Chair called for dissent, and, none being noted, the motion was deemed passed by majority vote of those present.

Moved to receive and file Business Item I.A. as presented.

Mr. Jew, representing Monte Vista Water District (Non-Ag), abstained from the vote.

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of March 2020
2. Watermaster VISA Check Detail for the month of March 2020
3. Combining Schedule for the Period July 1, 2019 through March 31, 2020
4. Treasurer's Report of Financial Affairs for the Period March 1, 2020 through March 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through March 31, 2020
6. Cash Disbursements for April 2020 (Information Only)

(0:11:20)

Motion by Mr. Christopher Quach, seconded by Vice-Chair Bowcock. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous vote of those present.

Moved to receive and file Business Item I.B. without approval as presented.

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2020/21 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2020/21 budget as presented.

(0:12:57) Mr. Joswiak gave a presentation. A discussion ensued.

(0:37:17)

Motion by Mr. Christopher Quach, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and, noting dissent by Mr. Van Jew representing Monte Vista Water District, the motion was deemed passed by majority vote of those present.

Moved to approve staff recommendation of Business Item II.A. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

B. CONSIDERATION OF 2020 STORAGE MANAGEMENT PLAN

Recommend Advisory Committee support Watermaster Board approval of the 2020 Storage Management Final Report Section 2.1-2.6 as the Storage Management Plan providing direction for the preparation of the required documentation.

(0:39:23) Mr. Kavounas gave a report. A discussion ensued.

No action was taken.

C. FIRST AMENDMENT TO TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (TECHNICAL SUPPORT FOR THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 2 (Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model).

(0:47:45) Mr. Tellez Foster gave a report.

(0:50:05)

Motion by Mr. Van Jew, seconded by Mr. Christopher Quach. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous vote of those present.

Moved to approve staff recommendation of Business Item II.C. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

D. FIRST AMENDMENT TO TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (CHINO BASIN PROJECT SUPPORT)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Program.

(0:50:23) Mr. Tellez Foster gave a report. A discussion ensued.

(0:59:30)

Motion by Vice-Chair Bowcock, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and, noting dissent by Mr. Van Jew representing Monte Vista Water District, the motion was deemed passed by majority vote of those present.

Moved to approve staff recommendation of Business Item II.D. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

Mr. Jew, representing Monte Vista Water District (Non-Ag) voted against. Mr. Quach, representing the City of Ontario, abstained from the vote.

E. 2020 SAFE YIELD RECALCULATION

Provide advice and assistance to Watermaster regarding the 2020 Safe Yield Recalculation.

(1:00:56) Mr. Kavounas offered to give the Pool a presentation. The Pool declined to receive the presentation at this time. A discussion ensued.

No action was taken.

F. MEMBER STATUS CHANGES

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
3. Any change in name or corporate identity of a Member (such as results from a merger or filing of a change of name certificate).
4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.
 - Staff received notification on April 16, 2020 that the City of Ontario (Non-Ag) representative, Mr. Shaun Stone, is no longer with the City. Staff has reached out to the City and once we are aware of a replacement, we will notify the Pool. The alternate representatives, Mr. Quach, and Ms. Romero remain unchanged.

(1:08:45) Ms. Nelson gave a report indicating that Item II F, number four, is outdated. On May 12th staff received a letter from the City of Ontario replacing Shaun Stone. Primary representative is now Mr. Christopher Quach and Mr. Scott Burton and Ms. Courtney Jones are the alternates. In addition, staff received an inquiry from Mr. Bowcock regarding Angelica Textiles and the information is provided herein: In July of 2017, a company called 9W Halo Western OpCo, LP (9W Halo), intervened into the Judgment and the intervention was subsequently approved by the Board. The intervention was put on hold as Watermaster staff was informed that the transacting parties were still finalizing their transaction. In February of this year a company called ANG II (Multi) LLC (ANG II) intervened and the Board subsequently approved that intervention. In March 2020, a water transaction between ANG II and 9W Halo was also approved by the Watermaster Board. Since that time staff has not received any information from either party as to designated representatives or alternates. Watermaster counsel has since reached out to their counsel and the item will be brought back to the Pool.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. San Bernardino County Superior Court Emergency Order
- 2. June 26, 2020 Hearing
- 3. County of Maui v. Hawaii Wildlife Fund et al

(1:11:21) Mr. Herrema gave a report.

B. ENGINEER REPORT

- 1. Annual Report for the PBHSC
- 2. IEUA GWR 2019 Annual Report
- 3. SB88 Compliance
- 4. Potential Assistance to CDA with 97-005 Study Requirement

(1:14:22) Mr. Malone gave a report.

C. CFO REPORT

- 1. Fixed Rate Refunding of Series 2008B Variable Rate Demand Bonds

(1:18:11) Mr. Joswiak gave a report.

D. GM REPORT

- 1. OBMP Implementation Plan Update
- 2. OAP Contest status
- 3. Work from Home Update
- 4. Other

(1:22:11) Mr. Kavounas gave a report.

IV. POOL MEMBER COMMENTS

None

V. OTHER BUSINESS

None

VI. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

Chair Geye called for a confidential session at 3.:28 p.m. to discuss the following:

- 1. Storage Application

Confidential session concluded at 3:58 p.m. with the following reportable action:

(1:26:05)

The Pool moved to direct Pool Chair and Pool legal counsel to file a storage application on behalf of the Pool.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 3:58 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (OAP)

A. MINUTES

1. Agricultural Pool Special Meeting held on May 8, 2020
2. Agricultural Pool Meeting held on May 14, 2020
3. Agricultural Pool Special Meeting held on May 22, 2020

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL – SPECIAL MEETING
May 8, 2020

The Agricultural Pool special meeting was held via GoToMeeting (conference call and web meeting) on May 8, 2020.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Henry De Haan	Dairy
Pete Hall	State of California – CIM
Carol Boyd	State of California – CIM
John Huitsing	Dairy
Ron Pietersma	Dairy
Nathan deBoom	Dairy
Ron LaBrucherie, Jr.	Crops

OTHERS PRESENT

Tracy Egoscue	Egoscue Law Group, Inc.
Marilyn Levin	State of California – DOJ
Richard Rees	Wood plc
Paul Hofer	Crops
Craig Stewart	Wood plc
Kapo Coulibaly	Wood plc
Timothy Wood	GSI Environmental, Inc.
Kate Richards	GSI Environmental, Inc.
Sorab Panday	GSI Environmental, Inc.

CALL TO ORDER

Chair Feenstra called the Agricultural Pool special meeting to order at 1:00 p.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Feenstra called for a confidential session at 1:00 p.m. to discuss the following:

1. Safe Yield Reset

Confidential session concluded at 2:45 p.m. with no reportable action.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool special meeting at 2:45 p.m.

Secretary: _____

Approved: _____

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING

May 14, 2020

The Agricultural Pool meeting was held by GoToMeeting (conference call and web meeting) on May 14, 2020.

AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Ron LaBrucherie, Jr.	Crops
Geoffrey Vanden Heuvel	Dairy
Nathan deBoom	Dairy
John Huitsing	Dairy
Henry De Haan	Dairy
Ron Pietersma	Dairy
Carol Boyd	State of California – CIM
Pete Hall	State of California – CIM
Jimmy Medrano	State of California – CIM

WATERMASTER BOARD MEMBERS PRESENT ON CALL

Bob Bowcock	CalMat Co.
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WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Janine Wilson	Senior Accountant
Vanessa Aldaz	Administrative Assistant

WATERMASTER STAFF PRESENT ON CALL

Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Water Resources Mgmt. and Planning Dir.
Anna Nelson	Executive Services Director
Justin Nakano	Water Resources Technical Manager

WATERMASTER CONSULTANTS PRESENT ON CALL

Brad Herrema	Brownstein Hyatt Farber Schreck, LLP
Andy Malone	Wildermuth Environmental, Inc.
Mark Wildermuth	Wildermuth Environmental, Inc.

OTHERS PRESENT ON CALL

Paul Hofer	Crops
Tracy Egoscue	Egoscue Law Group, Inc.
Marilyn Levin	State of California –DOJ
Tamer Ahmed	State of California – CDCR
Richard Rees	Wood plc
Gino Filippi	Crops
Rob Vanden Heuvel	California Dairies, Inc.
Courtney Jones	City of Ontario
Kate Richards	GSI Environmental, Inc.
Sorab Panday	GSI Environmental, Inc.
Liz Hurst	Inland Empire Utilities Agency

CALL TO ORDER

Chair Feenstra called the meeting to order at 1:38 p.m.

ROLL CALL

(0:03:54) Ms. Nelson conducted the roll call.

AGENDA – ADDITIONS/REORDER

The Agricultural Pool took its Confidential Session after the Consent Calendar.

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 Agricultural Pool Meeting held on April 9, 2020
2. Minutes of the Agricultural Pool Special Meeting held on April 17, 2020

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of March 2020
2. Watermaster VISA Check Detail for the month of March 2020
3. Combining Schedule for the Period July 1, 2019 through March 31, 2020
4. Treasurer’s Report of Financial Affairs for the Period March 1, 2020 through March 31, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through March 31, 2020
6. Cash Disbursements for April 2020 (Information Only)

(0:05:33)

Motion by Vice-Chair Pierson, seconded by Mr. Nathan deBoom, and by unanimous vote
Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. WATERMASTER FISCAL YEAR 2020/21 PROPOSED BUDGET

Recommend Advisory Committee approval of the proposed FY 2020/21 budget as presented.

(0:10:52) Mr. Joswiak gave a presentation. A discussion ensued.

(0:36:31) A motion was introduced by Vice-Chair Pierson.

(0:38:18) Roll call vote taken.

Motion by Vice-Chair Pierson, seconded by Mr. Henry DeHaan, and by unanimous roll call vote as attached to these minutes

Moved to recommend to the Advisory Committee to approve Business Item II.A. as presented.

B. CONSIDERATION OF 2020 STORAGE MANAGEMENT PLAN

Recommend Advisory Committee support Watermaster Board approval of the 2020 Storage Management Final Report Section 2.1-2.6 as the Storage Management Plan providing direction for the preparation of the required documentation.

(0:39:20) Mr. Kavounas gave a report. A discussion ensued.

See reportable action under confidential session.

C. FIRST AMENDMENT TO TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (TECHNICAL SUPPORT FOR THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 2 (Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model).

(0:41:16) Mr. Tellez Foster gave a report.

(0:42:24) A motion was introduced by Vice-Chair Pierson.

(0:43:05) Roll call vote taken.

Motion by Vice-Chair Pierson, seconded by Mr. LaBrucherie Jr., and by unanimous roll call vote as attached to these minutes

Moved to recommend to the Advisory Committee to approve Business Item II.C. as presented.

D. FIRST AMENDMENT TO TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS (CHINO BASIN PROJECT SUPPORT)

Recommend to the Advisory Committee to approve the First Amendment to Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Program

(0:44:36) Mr. Tellez Foster gave a report. A discussion ensued.

(0:50:41) A motion was introduced by Vice-Chair Pierson.

(0:51:23) Roll call vote taken.

Motion by Vice-Chair Pierson, seconded by Mr. Pietersma, and by unanimous roll call vote as attached to these minutes

Moved to recommend to the Advisory Committee to approve Business Item II.D. as presented.

E. 2020 SAFE YIELD RECALCULATION

Provide advice and assistance to Watermaster regarding the 2020 Safe Yield Recalculation.

(0:52:19) Mr. Kavounas offered to give a presentation. The Pool declined the presentation.

See reportable action under confidential session.

F. OLD BUSINESS

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. San Bernardino County Superior Court Emergency Order
2. June 26, 2020 Hearing
3. County of Maui v. Hawaii Wildlife Fund et al

(0:53:18) Mr. Herrema gave a report.

B. ENGINEER REPORT

1. Annual Report for the PBHSC
2. IEUA GWR 2019 Annual Report
3. SB88 Compliance
4. Potential Assistance to CDA with 97-005 Study Requirement

(0:54:58) Mr. Malone gave a report.

C. CFO REPORT

1. Fixed Rate Refunding of Series 2008B Variable Rate Demand Bonds

(0:59:27) Mr. Joswiak gave a report.

D. GM REPORT

1. OBMP Implementation Plan Update
2. OAP Contest Status
3. Work from Home Update
4. Other

(1:01:49) Mr. Kavounas gave a report.

IV. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

(1:05:34) Mr. Feenstra commented about a meeting with Scott Burton at the City of Ontario and opened it up to other members of the Pool who might wish to attend.

V. OTHER BUSINESS

None

VI. CONFIDENTIAL SESSION - POSSIBLE ACTION

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

Chair Feenstra called for a confidential session at 1:44 p.m. to discuss the following:

1. June 26, 2020 Hearing
2. Storage Management
3. Storage Contest
4. Safe Yield

(0:07:45) Confidential session concluded at 3:40 p.m. with the following reportable actions:

Business Item II.B. Consideration of 2020 Storage Management Plan

(0:07:55)

Motion by Mr. Henry De Haan, seconded by Ms. Carol Boyd, and passed

Moved to oppose the 2020 Storage Management Plan due to deficiencies in the interrelated Safe Yield Recalculation in addition to the lack of a storage implementation plan.

Business Item II.E. 2020 Safe Yield Recalculation

(0:08:28)

Motion by Mr. Ron LaBrucherie Jr., seconded by Ms. Carol Boyd, and passed

Moved to recommend that the Watermaster staff and Board review and consider the attached memorandum regarding deficiencies in the Safe Yield recalculation. These deficiencies are compounded by the failure to provide an annual peer review opportunity and related interim corrections as necessary and required pursuant to the Court ordered methodology.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 4:45 p.m.

Secretary: _____

Approved: _____

Attachments:

1. 20200514 Roll Call Vote Outcome for Business Item II.A.
2. 20200514 Roll Call Vote Outcome for Business Item II.C.
3. 20200514 Roll Call Vote Outcome for Business Item II.D.
4. Ag Pool Closed Session 051420 Reportable Actions (Business Items II.B. and II.E.)

Attachment 1 to 20200514 OAP Minutes

**May 14, 2020 Agricultural Pool Meeting Roll Call Vote for
Business Item II.A. Watermaster Fiscal Year 2020/21 Proposed Budget**

Member	Alternate	Vote
Feenstra, Robert, Chair		yes
Pierson, Jeff, Vice-Chair		yes
LaBrucherie, Jr., Ron		yes
Vanden Heuvel, Geoffrey		yes
deBoom, Nathan		yes
Huitsing, John		yes
DeHaan, Henry		yes
Pietersma, Ron		yes
Page, Bob		yes
Boyd, Carol		yes
Hall, Pete		yes
Medrano, Jimmy		yes
	OUTCOME:	Passed Unanimously

Attachment 2 to 20200514 OAP Minutes

May 14, 2020 Agricultural Pool Meeting Roll Call Vote for
Business Item II.C. First Amendment to Task Order No. 2 Under Master Agreement for Collaborative Projects
(Technical Support for the Upper Santa Ana River Groundwater Integrated Model)

Member	Alternate	Vote
Feenstra, Robert, Chair		yes
Pierson, Jeff, Vice-Chair		yes
LaBrucherie, Jr., Ron		yes
Vanden Heuvel, Geoffrey		yes
deBoom, Nathan		yes
Huitsing, John		yes
DeHaan, Henry		yes
Pietersma, Ron		yes
Page, Bob		yes
Boyd, Carol		yes
Hall, Pete		yes
Medrano, Jimmy		yes
	OUTCOME:	Passed Unanimously

Attachment 3 to 20200514 OAP Minutes

**May 14, 2020 Agricultural Pool Meeting Roll Call Vote for
Business Item II.D. First Amendment to Task Order No. 4 Under Master Agreement for
Collaborative Projects (Chino Basin Project Support)**

Member	Alternate	Vote
Feenstra, Robert, Chair		yes
Pierson, Jeff, Vice-Chair		yes
LaBrucherie, Jr., Ron		yes
Vanden Heuvel, Geoffrey		yes
deBoom, Nathan		yes
Huitsing, John		yes
DeHaan, Henry		yes
Pietersma, Ron		yes
Page, Bob		yes
Boyd, Carol		yes
Hall, Pete		yes
Medrano, Jimmy		yes
	OUTCOME:	Passed Unanimously

Ag Pool Closed Session 051420 Reportable Actions

Business Item B. Consideration of 2020 Storage Management Plan

Motion by Henry DeHaan

Second by Deputy Attorney General Carol A.Z. Boyd

The Ag Pool opposes the 2020 Storage Management Plan due to deficiencies in the interrelated Safe Yield Recalculation in addition to the lack of a storage implementation plan.

Motion passed.

Business Item E. 2020 Safe Yield Recalculation

Motion by Ron LaBrucherie

Second by Deputy Attorney General Carol A.Z. Boyd

The Ag Pool recommends that the Watermaster staff and Board review and consider the attached memorandum regarding deficiencies in the Safe Yield recalculation. These deficiencies are compounded by the failure to provide an annual peer review opportunity and related interim corrections as necessary and required pursuant to the Court ordered methodology.

Motion passed.

Preliminary Recommendations on Safe Yield Reset

GSI Environmental's recommendation to the Agricultural Pool of the Chino Basin is to oppose the Safe Yield reset at this time. The procedures used currently are not reasonable, prudent, stable, responsible, sustainable, or fair, as outlined in the Peace Agreement and within the standard of practice for groundwater basin management. In addition, the current Safe Yield Reset has not been prepared in accordance with the Court Ordered Methodology or the 1999 OBMP which had anticipated model errors or prediction uncertainties and included procedures to address these anticipated errors in future planning. Also, there is no Court-ordered methodology to adjust Storage Accounts later in a Storage Implementation Plan, so it may not be possible to correct errors later if the Safe Yield reset has already been accepted. The supporting bases for this recommendation are discussed below.

1. There is no accounting for actual basin conditions compared to forecasts, thus mis-managing natural basin storage

The Watermaster notes that,

"The 10-year forecast takes into account projected conditions that are expected to occur over the ensuing 10 years. While it is possible to extend the period for additional increments of time, longer forecasting entails further speculation. Historical experience in evaluating trends in the Chino Basin suggests that the projections become less reliable as they extend beyond the 10-year horizon. It is considerably easier to adjust to discrepancies between set expectations over a 10-year period than longer periods of time and consequently there is less risk to the parties and to the basin." (*Response to Questions and Comments on the April 2, 2020 Safe Yield Recalculation Report April 23, 2020 Letter from Overlying (Agricultural Pool) re Safe Yield Recalculation for Chino Basin Questions*).

This statement is correct, and we agree that expectations should be set over 10-year periods for planning purposes of the Parties within the basin. That is exactly the reason why: (a) the Safe Yield reset should include the actual hydrology of the basin over the last 10-year period; and, (b) the Court-ordered Safe Yield reset methodology prescribed in the 1999 OBMP required such an evaluation.

The probability argument provided by Wildermuth in its response to GSI's April 23, 2020 comments is incorrect. Specifically, the probability of future hydrology is not related in any way to conducting a Safe Yield reset that includes what actually happened over the past 10 years. Future planning should account for the unforeseen natural basin storage that was depleted over these past 10 drought years and allow for that amount to catch up in planning over the next 10 years. Kicking the can down the road for 10 years due to that drought (or 20 years for a 20-year drought) is not fair to future users of the basin and not prudent, responsible, sustainable, or stable as it does not consider the natural storage depletions that have actually occurred. Conversely, if the next 10 years are more wet than current predictions and actual water use was less than or equal to that predicted, then further planning will add that to the future Safe Yield. That way, you close your accounts for the previous 10 years as you plan for the next 10. Finally, as noted by the Watermaster, planning for longer periods is less reliable, so expecting some

wet distant future conditions to balance the recent drought involves speculation and should not be part of a planning process for reasonable, prudent, reliable, responsible, sustainable, and stable management of the basin.

Furthermore, the probability of future wet conditions is not in any way higher because of the recent 20-year drought. Just because a coin toss lands "heads" 10 times, does not mean it will land "tails" the next time; the probability of either heads or tails is still 50% - with a significantly smaller probability of landing on "tails" the next 10 times to average out those unfortunate 10 "heads." Even with granting all that, the predictions of Safe Yield are dependent not only on predictions of average recharge, but also on predictions of water demand and pumping. Inferring that use of an average recharge for the forecasts would balance out the Safe Yield in the long term is further incorrect since pumping plans may not pan out.

The response to Ag Pool Member Geoff Vanden Heuvel on the same issue, states that, "as a result of fullness of time, the difference will be offset in future years when wet periods occur." As noted above, that is not the case. There is no comparison being made in this issue between past and present conditions as noted in the response, rather it is a simple issue that *hoping* for "sometime in the future" to compensate for loss of Safe Yield of the previous 10 years involves speculation and is not a reasonable, responsible and prudent management strategy, nor is it fair to current users of the basin. Hope is not a strategy; however, and the Watermaster should follow a strategy that is reasonable and sustainable over the long-term.

To put this issue in an analogy that we all can relate to would be the example of our personal finances. A projected Safe Yield over 10 years is like one's anticipated earnings going into a checking account over the next 10 years. Such a projection helps to plan net spending (pumping) from the checking account over that 10-year planning period. If you earn more than you spend, you put the money into a savings account that is akin to a groundwater storage account. If you earn less than you spend, you pay the extra from your savings account, similar to taking the additional needed water from your groundwater storage account.

If 10 years later, your actual net spending (pumping) was more than your actual net earnings (net recharge) for whatever reason, you are in debt for the difference, regardless of your earlier projected income and spending amounts. To provide a stable planning environment, the bank allows you 10 years of buffering by providing you a line of credit to the checking account. When planning your finances for the subsequent 10 years, you may again project your future earnings and planned spending; you may "recalibrate" your planning according to the actual conditions over the past 10 years; however, you cannot ignore that debt from the earlier 10 years. Either you pay back that amount immediately from your savings account (an immediate adjustment to the groundwater storage account), or you include that debt payment as an earnings deduction in your checking account over the subsequent 10 years (i.e., to include the difference between projected and actual Safe Yield into the next reset). But you cannot move from a planned projection to a subsequent projection without paying for past reduced income or overspending, just by promising to have more accurate and recalibrated estimates of future income and spending. Of course, a consumer would like that, but a bank cannot operate under that condition,

passing on losses to future generations in the *hopes* that future spending will not exceed income, or taking a direct loss on its reserves.

2. It is incorrect to say that the Court Ordered methodology does not provide a mechanism for looking backwards at actual basin conditions for the next Safe Yield Reset.

In response to the Ag Pool's comment 1(b) Watermaster states that "[t]he Court-ordered Safe Yield reset methodology does not provide for any retroactive adjustments to Safe Yield or storage accounts." The "no retroactive accounting" provision at paragraph 4.8 is specific to "production years prior to July 1, 2014." This paragraph of the Order contains no language prohibiting a future correction if necessary for managing basin storage. The Language in 4.8 is that "the Watermaster will not in any manner seek to change prior accounting of the prior allocation of safe yield and operating safe yield among the parties to the Judgment for production years prior to July 1, 2014." This does not mean that future Safe Yield resets should not consider historical conditions. Instead, it specifically refers to the 140,000 afy reset to 135,000 afy that occurred in 2015 for the 2010 through 2020 timespan and that value should not be changed to account for the 5,000 afy discrepancy.

The Court-ordered Safe Yield reset methodology in the 1999 OBMP was reasonable and designed to sustainably, stably, responsibly, and prudently manage the basin. It considered that a 10-year planning period timespan was reliable, but that projections may not be accurate, and that models themselves have errors and uncertainties that need to be adjusted over time. Therefore, the 1999 OBMP prescribed that the Safe Yield reset consider what actually happened in the past 10 years and adjust for actual conditions rather than jump from one projection to another knowing that the previous projection was incorrect.

Specifically, under implementation Actions and Schedules in Section 4, the 1999 OBMP clearly states:

In year 2022/23, compute safe yield and storage loss rate for period 2012/13 through 2021/22, and reset safe yield and storage loss rates for the next the next ten-year period 2022/23 to 2031/32. Reassess storage management plan and modify Watermaster UGRR, if needed.

Similar language is used for future resets in 10-year increments up to the year 2051/52. The language clearly states that the past safe yield and storage loss rates should be computed to reset them for the next 10-years. This has not changed in further updates or Court orders. The 2015 Safe Yield Reset Methodology indicates that:

Watermaster's OBMP Implementation Plan called for an initial redetermination of Basin's Safe Yield in 2010/2011, using monitoring data that would be gathered for the first time during 2000/01 through 2009/10. This requirement is additionally carried forward in Section 6.5 of Watermaster's Rules and Regulations, which states that the "Safe Yield shall be recalculated in year 2010/11 based upon data from the ten-year period 2000/01 to 2009/10."

As noted, the requirement was to calculate Safe Yield for the next 10 years **based upon data from the previous 10 years**. The 1999 OBMP also clearly indicated that a Safe Yield should be computed for the historical period to reset the safe yield for the next 10-year period. The Reset Technical Memorandum of 2015 indicates that the 2015 Safe Yield Reset methodology is consistent with the definition of Safe Yield

in the Judgement and the Physical Solution, specifically that "*Safe Yield shall be recalculated in year 2010/11 based upon data from the ten-year period 2000/01 to 2009/10*". The approach then indicates a model recalibration as noted below:

Use the data collected during 2000/01 to 2009/10 (and in the case of subsequent resets newly collected data) in the re-calibration process for the Watermaster's groundwater-flow model.

The approach does not specifically list the safe yield recalculation detail of the Physical Solution that indicates looking back at the previous 10 years, however, nothing the Court has ordered prevents this action. Rather, the Judgement requires stable basin management and as natural basin storage declines, it is prudent for the Watermaster to act appropriately to set a sustainable Safe Yield for the Basin.

3. There is no transparency in reporting to evaluate model results or possible errors

Model behavior cannot be clearly understood by what is reported in the 2020 Safe Yield Recalculation Final Report. Requests for additional information are not being addressed, and examples of such responses are summarized herein.

Figures in the draft report (Figures 7-6 and 7-7 in draft report) were valuable in understanding future behavior, especially if additional information on precipitation of future conditions was also added (as was shown for historical conditions) as requested. Instead, these figures were removed entirely from the final document. They are not replaced with figures that "more clearly communicate trends in DIPAW" as noted in the May 8, 2020 response to comments #3 to the Ag Pool's April 23rd comments. Comment #10 asked for more information on precipitation and the total water budget, which is a reasonable request to holistically understand water in the basin. This is not more work, but something that should be done as part of the modeling effort that evaluates both surface and subsurface water. GSI's request for a total water budget was denied.

Comment #5a asked about the discrepancy between the statement in the draft document regarding "**reduction** in net recharge during the 2021 through 2030 period" and the Figure 7-7, which showed a net **increase**. Instead of a response, the figure was removed and not included in the final report.

GSI comments #6 and #7 were specifically regarding differences between the 2013 model and the 2020 model that are greater in earlier time than in later times. The lengthy response does not address that issue. If the 2020 model update is more accurate, then that would be the case throughout the simulation time period. This was not addressed and request for additional mass balance information that may help understand this issue was also not provided.

The response to Comment #7b indicates that there were errors in the past that were corrected. Model inputs can have errors as noted here. That is why when things do not seem to add up, we request additional information to satisfy ourselves that things are correct. Withholding such information or the model is not helpful or transparent.

Response to Comment #8 is also non-responsive. The comment questions why there is an increase in water levels in the earlier model but a decrease in water levels in the model update. Instead of providing

an answer to our query, the response was focused on the semantics of the comment as to whether it was one model or more models. The additional statement that “the model-estimated storage change for the 2013 model and the 2020 CVM for the period 2000-2018 closely track each other” is not a response to why the models were showing opposite trends between 1978 and 2020. Instead, it raises additional questions regarding the model and its update, since the 2013 model used projected average conditions for recharge, while the 2020 update was operating under an extended drought between 2000 and 2018. Yet, both models are reported to “closely track each other” during that period.

The response to Comment #9 tries to separate the Safe Yield from the Storage Management Plan; however, they are intimately interlinked and depend on each other.

Lack of transparency is also noted in the response to the State of California’s comments at the April workshop and their written comments. Uncertainty of the model is not acknowledged, let alone probed. There is uncertainty in model parameters as well as in recharge and pumping projections, which are input to the model for the forecasts. Modeling standards require conducting sensitivity analyses at a minimum to help understand the aquifer better, determine significant data gaps, and improve on a model whether a Court requires it or not. These procedures are outlined in the ASTM D5611 - 94(2016) Standard Guide for Conducting a Sensitivity Analysis for a Groundwater Flow Model Application. Transparency involves addressing stakeholders concerns instead of discussing semantics of one or multiple models, and providing responses to comments that are essentially evasive, even if the Court does not obligate you to do so.

4. There are items in the current Safe Yield Reset that are not entirely clear and may have substantial consequences

The Optimal Storage Requirement (OSR) was estimated at ~ 5.3 million af, which was the estimated storage computed for the state of the basin in 1997. Of that amount, 236,000 af was already in Managed Storage around that time (in 2000). The estimated amount in Managed Storage for End-of-Year 2019 was 503,275 af, as described in the 2020 Safe Yield Reset report. Note that a complete picture of managed storage and basin storage has not been provided in one location, however, adding up these amounts, the total basin storage is about 5.6 million af.

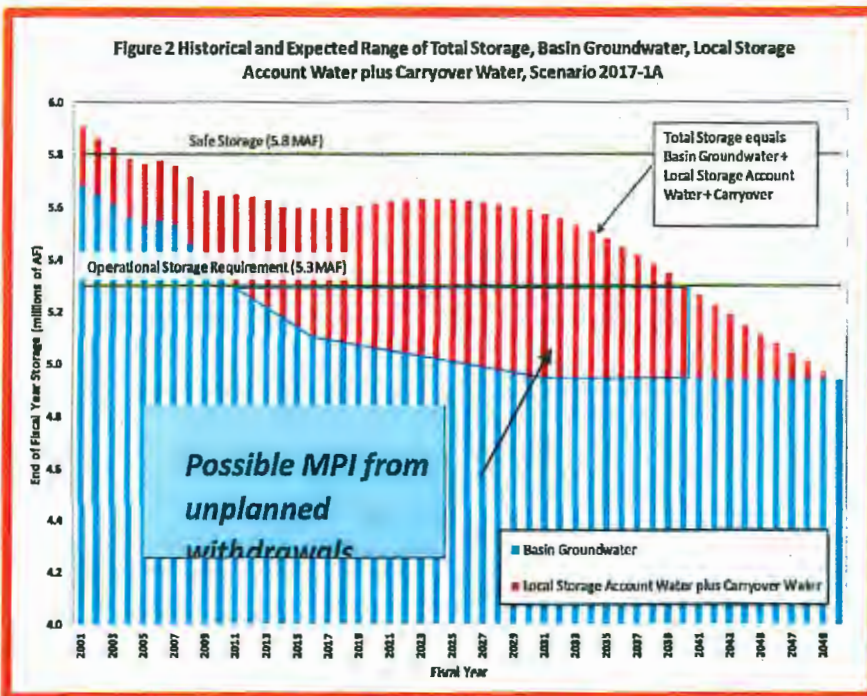
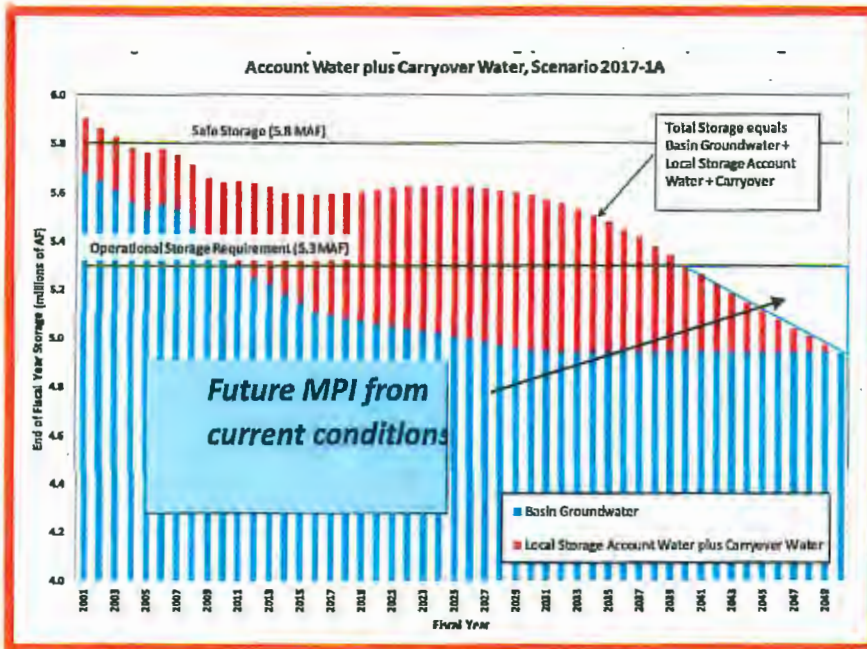
The 2020 Safe Yield report indicates that total groundwater in storage was 12.3 MAF. However, the Safe Yield report does not provide the final values used for specific yield in the model. Only initial estimates are provided, which were changed upon calibration so it is not clear how the total basin groundwater storage is different from the OSR. Did the model “find” this extra water (up to 12.3 MAF) by increasing the specific yield? How does this 12.3 MAF affect the 5.6 MAF OSR and how are the two numbers related? It is not clear how these numbers will be used in the future so accepting the Safe Yield report with such unresolved issues is not advisable at this time.

5. Current basin operations are projected to cause MPI, and unplanned future management of storage accounts can cause MPI

As presented to the Agricultural Pool, current basin operations are projected to cause Material Physical Injury (MPI) in the future (after 2040). Also, unplanned future management of storage accounts can

cause MPI. The figures below indicate both of these possibilities. Of particular concern is the amount of water in Storage Accounts that has already reduced Basin Groundwater amounts to be below the OSR. Without some adjustment that brings Basin Storage back to OSR levels, there will definitely be MPI. It is GSI's opinion, that a management plan would be subject to legal challenges that would likely follow if the Watermaster did not allow removal of water from storage accounts. A "Leave Behind" action should be implemented at this stage to ensure fair and sustainable operation of the basin.

In the analogy of personal finances, not allowing water to be extracted from a valid Storage Account would be akin to a bank plan that would never allow clients to remove money from their savings account because it would be detrimental to the bank to ever do so. If I had vast sums of money in a savings account and the bank said I had every right to it but can never withdraw it, I would consider that as illogical and would sue the bank to get back my money. That is exactly what should be anticipated in the current situation unless rectified by a plan that is executed with basin sustainability in mind.



DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL – SPECIAL MEETING

May 22, 2020

The Agricultural Pool special meeting was held via GoToMeeting (conference call and web meeting) on May 22, 2020.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Henry De Haan	Dairy
Pete Hall	State of California – CIM
Carol Boyd	State of California – CIM
John Huitsing	Dairy
Ron Pietersma	Dairy
Nathan deBoom	Dairy
Geoffrey Vanden Heuvel	Dairy
Bob Page	County of San Bernardino

OTHERS PRESENT

Tracy Egoscue	Egoscue Law Group, Inc.
Marilyn Levin	State of California - DOJ
Richard Rees	Wood plc
Paul Hofer	Crops

CALL TO ORDER

Chair Feenstra called the Agricultural Pool special meeting to order at 8:00 a.m.

AGENDA – ADDITIONS/REORDER

None

I. CONFIDENTIAL SESSION

Chair Feenstra called for a confidential session at 8:00 a.m. to discuss the following:

1. Safe Yield

Confidential session concluded at 9:23 a.m. with no reportable action.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool special meeting at 9:23 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP & OAP)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of April 2020
2. Watermaster VISA Check Detail for the month of April 2020
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020
4. Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020
6. Cash Disbursements for May 2020 (Information Only)

I. BUSINESS ITEMS – ROUTINE (ONAP)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of April 2020
2. Watermaster VISA Check Detail for the month of April 2020
3. Combining Schedule for the Period July 1, 2019 through April 30, 2020
4. Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020
5. Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020
6. Cash Disbursements for May 2020 (Information Only)



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (April 30, 2020)
(Consent Calendar Item I.B.1.)

SUMMARY

Issue: Record of Cash Disbursements for the month of April 2020.

Recommendation: Receive and file Cash Disbursements for April 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool – June 11, 2020: Receive and File
Non-Agricultural Pool – June 11, 2020: Receive and File
Agricultural Pool – June 11, 2020: Receive and File
Advisory Committee – June 18, 2020: Receive and File
Watermaster Board – June 25, 2020: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – June 11, 2020:
Non-Agricultural Pool – June 11, 2020:
Agricultural Pool – June 11, 2020:
Advisory Committee – June 18, 2020:
Watermaster Board – June 25, 2020:

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 April 2020 were \$613,553.28.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$202,035.30 (check number 22114 dated April 16, 2020); Brownstein Hyatt Farber Schreck in the amount of \$122,419.38 (check number 22127 dated April 21, 2020); and Egoscue Law Group, Inc. in the amount of \$55,218.75 (check number 22117 dated April 16, 2020).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/03/2020	22085	ACCENT COMPUTER SOLUTIONS, INC.	IT Computer Services	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	134337		Adobe Acrobat Pro 2017 license-Aldaz	6054 · Computer Software	450.00
Bill	03/31/2020	134338		Adobe Acrobat Pro 2017 license-Wilson	6054 · Computer Software	450.00
Bill	04/01/2020	134214		Monthly service - April 2020	6052.4 · IT Managed Services	4,018.28
				Overwatch - April 2020	6052.5 · IT Data Backup/Storage	699.00
				Omni Cloud - April 2020	6052.5 · IT Data Backup/Storage	153.00
				365 subscriptions/Bus. Premium - Apr. 2020	6052.4 · IT Managed Services	195.75
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	702.32
TOTAL						6,668.35
Bill Pmt -Check	04/03/2020	22086	APPLIED COMPUTER TECHNOLOGIES	Database Consulting Services	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	3140		March 2020	6052.2 · Applied Computer Technol	3,449.00
TOTAL						3,449.00
Bill Pmt -Check	04/03/2020	22087	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	04/03/2020	22088	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	04/03/2020	22089	FEDAK & BROWN LLP	Audit Services	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2020			March 2020	6062 · Audit Services	1,430.00
TOTAL						1,430.00
Bill Pmt -Check	04/03/2020	22090	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	04/03/2020	22091	FONTANA UNION WATER COMPANY'	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/17/2020	3/17 Bd mtg check		3/17/2020 Board Meeting check-in - Curatalo	6311 · Board Member Compensation	125.00
Bill	03/19/2020	3/19 Board Officers		3/19/2020 Board Officers/Pool Chairs-Curatalo	6311 · Board Member Compensation	125.00
Bill	03/24/2020	3/24 Board Agenda		3/24/2020 Board Agenda preview-Curatalo	6311 · Board Member Compensation	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/2020 Board Meeting - Curatalo	6311 · Board Member Compensation	125.00
TOTAL						500.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/03/2020	22092	INLAND VALLEY DAILY BULLETIN	900421820	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	900421820		26 weeks renewal	6112 · Subscriptions/Publications	510.62
TOTAL						510.62
Bill Pmt -Check	04/03/2020	22093	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Appro Pool Mtg		3/12/20 Appropriate Pool meeting	6311 · Board Member Compensation	125.00
Bill	03/17/2020	3/17 Executive Comm		3/17/20 Executive Committee meeting	6311 · Board Member Compensation	125.00
Bill	03/19/2020	3/19 Bd Officers		3/19/20 Board Officers/Pool Chairs meeting	6311 · Board Member Compensation	125.00
Bill	03/24/2020	3/24 Board Agenda		3/24/20 Board Agenda Preview	6311 · Board Member Compensation	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	04/03/2020	22094	NELSON, ANNA	Employee Reimbursement-Expenses	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020			Admin meetings-Jan/Feb 2020	6141.3 · Admin Meetings	293.30
				Mileage/parking reimbursement for admin meeting	6173 · Airfare/Mileage	36.12
TOTAL						329.42
Bill Pmt -Check	04/03/2020	22095	PREMIERE GLOBAL SERVICES	29178339	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	29178339		WM coordination call on 3/02	6909.1 · OBMP Meetings	37.32
				Appropriate Pool call on 3/04	8312 · Meeting Expenses	8.36
				WM coordination call on 3/06	6909.1 · OBMP Meetings	24.80
				WM coordination call on 3/09	6909.1 · OBMP Meetings	6.56
				PBHSP call on 3/10	6909.1 · OBMP Meetings	6.57
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				WM coordination call on 3/02	6909.1 · OBMP Meetings	6.56
				Wm coordination call on 3/06	6909.1 · OBMP Meetings	12.63
				OBMPU CEQA call on 3/09	6909.1 · OBMP Meetings	33.63
				OBMPU CEQA call on 3/09	6909.1 · OBMP Meetings	37.06
				PBHSP call on 3/10	6909.1 · OBMP Meetings	30.74
				Pools meeting check-in call on 3/11	8312 · Meeting Expenses	3.27
				Pools meeting check-in call on 3/11	8412 · Meeting Expenses	3.28
				Pools meeting check-in call on 3/11	8512 · Meeting Expense	3.28
				Team huddle call on 3/16	6141.3 · Admin Meetings	6.57
				WM coordination call on 3/16	6909.1 · OBMP Meetings	13.53
				Ag Pool contest call on 3/17	8412 · Meeting Expenses	11.58
				RW Quality call on 3/18	6909.1 · OBMP Meetings	11.21
				Chino Basin model peer review call-3/20	6909.1 · OBMP Meetings	6.58
				Chino Basin model peer reveiw call-3/20	6909.1 · OBMP Meetings	10.69
				WM coordination call on 3/23	6909.1 · OBMP Meetings	15.06

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
				Board agenda preview call on 3/24	6312 · Meeting Expenses	18.58
				Board meeting check-in call on 3/25	6312 · Meeting Expenses	14.41
				Call shortfalls	6022 · Telephone	78.00
				Service fees	6022 · Telephone	47.05
				PBHSP call on 3/10	6909.1 · OBMP Meetings	6.56
				Non-Ag Pool mtg confidential session-3/12	8512 · Meeting Expense	6.58
				Non-Ag Pool mtg confidential session-3/12	8512 · Meeting Expense	6.58
				Ag Pool mtg confidential session on 3/12	8412 · Meeting Expenses	6.56
				Ag Pool mtg confidential session on 3/12	8412 · Meeting Expenses	6.55
				Board Officers/Pool Chairs call on 3/19	6312 · Meeting Expenses	6.57
TOTAL						<u>564.72</u>
Bill Pmt -Check	04/03/2020	22096	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	0023230253		Office Water Bottle - March 2020	6031.7 · Other Office Supplies	144.12
TOTAL						<u>144.12</u>
Bill Pmt -Check	04/03/2020	22097	ROGERS, PETER	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	04/03/2020	22098	RR FRANCHISING, INC.	84578	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2020	84578		April 2020	6024 · Building Repair & Maintenance	740.00
TOTAL						<u>740.00</u>
Bill Pmt -Check	04/03/2020	22099	SPECTRUM BUSINESS	2031978032320	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2020	2031978032320		3/23/20-4/22/20	6053 · Internet Expense	800.86
TOTAL						<u>800.86</u>
Bill Pmt -Check	04/03/2020	22100	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	00649299009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	903.53
TOTAL						<u>903.53</u>
Bill Pmt -Check	04/03/2020	22101	STATE COMPENSATION INSURANCE FUND	1970970-19	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2020	1970970-19		Premium 3/26/20-4/26/20	60183 · Worker's Comp Insurance	532.75
TOTAL						<u>532.75</u>
Bill Pmt -Check	04/03/2020	22102	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	7076224530355049		March 2020	6175 · Vehicle Fuel	104.80
TOTAL						<u>104.80</u>

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/03/2020	22103	VERIZON WIRELESS	9850375681	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	9850375681		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	110.04
TOTAL						110.04
Bill Pmt -Check	04/03/2020	22104	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	00101789		Vision Insurance Premium - April 2020	60182.2 · Dental & Vision Ins	93.83
TOTAL						93.83
General Journal	04/04/2020	04/04/2020	Payroll and Taxes for 03/22/20-04/04/20	Payroll and Taxes for 03/22/20-04/04/20	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 03/22/20-04/04/20	1012 · Bank of America Gen'l Ckg	29,180.28
				Payroll Taxes for 03/22/20-04/04/20	1012 · Bank of America Gen'l Ckg	10,478.07
			ICMA-RC	457(b) EE Deductions for 03/22/20-04/04/20	1012 · Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 03/22/20-04/04/20	1012 · Bank of America Gen'l Ckg	1,562.57
TOTAL						46,697.84
Bill Pmt -Check	04/04/2020	ACH 040820	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	04/04/2020	04/04/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 03/22/20-04/04/20	2000 · Accounts Payable	8,180.70
TOTAL						8,180.70
Bill Pmt -Check	04/09/2020	22105	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	XXXX-XXXX-XXXX-9341		Keyboard tray	6031.7 · Other Office Supplies	56.53
				Dell universal dock - (AN)	6055 · Computer Hardware	251.29
				Employee 10 yr. service award	6141.3 · Admin Meetings	103.59
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	135.07
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	8.36
				Cleaning supplies - wipes	6031.7 · Other Office Supplies	41.63
				Lunch-staff/legal counsel/ag pool pre-mtg.	8412 · Meeting Expenses	164.55
				Laptop - Inspiron 13 5000 Series 5391 (AN)	6055 · Computer Hardware	728.99
				Laptop - Inspiron 7000 15 Series 7591 (JJ)	6055 · Computer Hardware	864.41
				Monitor - (AN)	6055 · Computer Hardware	402.73
				Ethernet cable - (AN)	6055 · Computer Hardware	7.12
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	62.79
				Lunch for staff/consultants-Eng. budget	6909.1 · OBMP Meetings	85.82
				Headset - (JJ)	6031.7 · Other Office Supplies	10.55
				Toner cartridge - (JJ)	6031.7 · Other Office Supplies	18.48
				Logitech webcam - (JJ)	6055 · Computer Hardware	85.61
				Laptops - Inspiron 7000 15 Series 7591	6055 · Computer Hardware	1,728.85
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	73.30
				Ergonomic wireless mouse	6055 · Computer Hardware	29.31
				Costco membership renewal	6111 · Membership Dues	174.92

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
				Toner cartridges	6031.7 · Other Office Supplies	211.86
				Toner cartridges	6031.7 · Other Office Supplies	35.59
				Office supplies	6031.7 · Other Office Supplies	20.80
				Copy paper	6031.1 · Copy Paper	30.64
				Webcams for office - (VA, JW)	6055 · Computer Hardware	182.78
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.94
				WiFi mesh hub system - (AJ)	6055 · Computer Hardware	107.85
				Registration for ETF for GRACAST	6193.2 · Conference - Registration Fee	72.88
				Registration for PK for GRACAST	6193.2 · Conference - Registration Fee	72.88
				Software - annual renewal	6054 · Computer Software	58.31
				Uniforms for staff	6154 · Uniforms	107.49
				WiFi mesh hub system - (AN)	6055 · Computer Hardware	240.81
				Transaction fee for software renewal	6054 · Computer Software	1.75
				PK mtg w/C. Berch, ETF	8312 · Meeting Expenses	38.81
				PK mtg w/P. Rogers	6312 · Meeting Expenses	56.26
				Fee for increasing number of participants	6022 · Telephone	192.98
				PK mtg w/C. Diggs	8312 · Meeting Expenses	29.75
TOTAL						6,515.28
P66						
Bill Pmt -Check	04/07/2020	ACH 040720	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	03/16/2020	1394905143		Medical Insurance Premiums - April 2020	60182.1 · Medical Insurance	11,022.41
				Retro for Aldaz - March 2020	60182.1 · Medical Insurance	1,626.34
TOTAL						12,648.75
Bill Pmt -Check	04/09/2020	22106	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/16/2020	3/16 OBMP IPU		3/16/20 OBMP IPU and PAA Drafting Session #1	6311 · Board Member Compensation	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	04/09/2020	22107	CORELOGIC INFORMATION SOLUTIONS	82015388	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	82015388		82015388	7103.7 · Grdwtr Qual-Computer Svc	62.50
				82015388	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	04/09/2020	22108	LUHDORFF & SCALMANINI	35836	1012 · Bank of America Gen'l Ckg	
Bill	03/29/2020	35836		Project-Chino Basin Safe Yield Analysis	6906.73 · OBMP-2020 Safe Yield Recalc	2,925.00
TOTAL						2,925.00
Bill Pmt -Check	04/09/2020	22109	PITNEY BOWES GLOBAL FINANCIAL SERVICE 3103874699		1012 · Bank of America Gen'l Ckg	
Bill	03/30/2020	3103274699		Postage meter lease	6044 · Postage Meter Lease	430.63

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						430.63
Bill Pmt -Check	04/09/2020	22110	STAPLES BUSINESS ADVANTAGE	8057992539	1012 · Bank of America Gen'l Ckg	
Bill	03/28/2020	8057992539		Business envelopes	6031.7 · Other Office Supplies	36.84
TOTAL						36.84
Bill Pmt -Check	04/09/2020	22111	TELLEZ-FOSTER, EDGAR	Employee Reimbursement - Expenses	1012 · Bank of America Gen'l Ckg	
Bill	09/11/2019	9/06 Ops Staff Mtg		9/06/19 Ops Staff Meeting	6141.3 · Admin Meetings	83.19
TOTAL						83.19
Bill Pmt -Check	04/09/2020	22112	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2020	3/26 Board Mtg		3/26/2020 Board Mtg. - Don Galleano	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	04/09/2020	22113	BURRTEC WASTE INDUSTRIES, INC.	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2020	21136525395		April 2020	6024 · Building Repair & Maintenance	135.72
TOTAL						135.72
P67 Check	04/15/2020	04/15/2020	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	637.81
TOTAL						637.81
Bill Pmt -Check	04/14/2020	ACH 050520	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	04/14/2020	1394905143		Medical Insurance Premiums - May 2020	60182.1 · Medical Insurance	11,018.02
TOTAL						11,018.02
Bill Pmt -Check	04/16/2020	22114	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	2020088		2020088	6906.31 · OBMP-Pool, Adv. Board Mtgs	4,832.20
Bill	03/31/2020	2020089		2020089	6906.32 · OBMP-Other General Meetings	17,574.11
Bill	03/31/2020	2020090		2020090	6906.71 · OBMP-Data Req.-CBWM Staff	2,136.80
Bill	03/31/2020	2020091		2020091	6906.72 · OBMP-Data Req.-Non CBWM Staff	1,027.20
Bill	03/31/2020	2020092		2020092	6906.23 · SGMA Reporting Requirements	1,198.50
Bill	03/31/2020	2020093		2020093	6906 · OBMP Engineering Services	8,384.28
Bill	03/31/2020	2020094		2020094	6906.24 · Compliance-SWRCB	2,157.10
Bill	03/31/2020	2020095		2020095	6906.26 · 2020 OBMP Update	11,947.58
Bill	03/31/2020	2020096		2020096	6906.28 · Agriculture Prod. & Estimation	65.70
Bill	03/31/2020	2020097		2020097	6906.81 · Prepare Annual Reports	262.80
Bill	03/31/2020	2020098		2020098	6906.16 · CBEWP-100% IEUA Cost	31,623.78
Bill	03/31/2020	2020099		2020099	7103.3 · Grdwtr Qual-Engineering	13,545.40
Bill	03/31/2020	2020100		2020100	7104.3 · Grdwtr Level-Engineering	10,593.40

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	03/31/2020	2020101		2020101	7107.2 · Grd Level-Engineering	5,626.06
Bill	03/31/2020	2020102		2020102	7108.31 · Hydraulic Control - PBHSP	10,497.40
Bill	03/31/2020	2020103		2020103	7109.3 · Recharge & Well - Engineering	4,496.60
Bill	03/31/2020	2020104		2020104	7202.2 · Engineering Svc	1,878.20
Bill	03/31/2020	2020105		2020105	7206.1 · SB88 Specs-Ensure Compliance	3,923.70
Bill	03/31/2020	2020106		2020106	7303 · PE3&5-Engineering	4,962.40
Bill	03/31/2020	2020107		2020107	7402 · PE4-Engineering	5,816.45
Bill	03/31/2020	2020108		2020108	7402.10 · PE4 - Northwest MZ1 Area Proj.	21,848.54
Bill	03/31/2020	2020109		2020109	7502 · PE6&7-Engineering	21,521.90
Bill	03/31/2020	2020110		2020110	7510 · PE6&7-IEUA Salinity Mgmt. Plan	14,997.60
Bill	03/31/2020	2020111		2020111	7511 · PE6&7-SAWBMPTask Force-50% IEU,	1,117.60
TOTAL						202,035.30
Bill Pmt -Check	04/16/2020	22115	CUCAMONGA VALLEY WATER DISTRICT	Lease Payment	1012 · Bank of America Gen'l Ckg	
Bill	04/15/2020			Lease due on May 1, 2020	1422 · Prepaid Rent	7,093.14
TOTAL						7,093.14
Bill Pmt -Check	04/16/2020	22116	CV STRATEGIES	5529	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2020	5529		Strategic Comm. Services re: Newsletter	6906.26 · 2020 OBMP Update	1,968.75
TOTAL						1,968.75
Bill Pmt -Check	04/16/2020	22117	EGOSCUE LAW GROUP, INC.	12681	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	12681		Ag Pool Legal Services - March 2020	8467 · Ag Legal & Technical Services	55,218.75
TOTAL						55,218.75
Bill Pmt -Check	04/16/2020	22118	FIRST LEGAL NETWORK LLC	40038990	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	40038990		Court filing on 3/13/20	6061.5 · Court Filing Services	111.54
TOTAL						111.54
Bill Pmt -Check	04/16/2020	22119	LEGAL SHIELD	111802	1012 · Bank of America Gen'l Ckg	
Bill	04/14/2020	111802		Employee deductions - March 2020	60194 · Other Employee Insurance	177.35
TOTAL						177.35
Bill Pmt -Check	04/16/2020	22120	LOEB & LOEB LLP	1882295	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	1882295		Non-Ag Pool Legal Services - March 2020	8567 · Non-Ag Legal Service	5,154.30
TOTAL						5,154.30
Bill Pmt -Check	04/16/2020	22121	PIERSON, JEFFREY	Ag Pool and Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/02/2020	3/02 OBMPU Mtg		3/02/20 OBMPU meeting	6311 · Board Member Compensation	125.00
Bill	03/10/2020	3/10 Ag Pool Attny		3/10/20 Ag Pool attorney conference call	8411 · Ag Pool Member Compensation	25.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
				3/10/20 Ag Pool attorney conference call	8470 · Ag Meeting Attend -Special	100.00
Bill	03/10/2020	3/10 PBHCP Rpt		3/10/20 Prado Basin HCP Report meeting	6311 · Board Member Compensation	125.00
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/12/2020	3/12 Ag & Appro Mtg		3/12/20 Ag & App. Pools Mtg-Ag Pool Rules	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag & App. Pools Mtg-Ag Pool Rules	8470 · Ag Meeting Attend -Special	100.00
Bill	03/12/2020	3/12 Admin Mtg		3/12/20 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	03/14/2020	3/14 Ag Pool mtg		3/14/20 Ag Pool Chair/Vchair-coord. mtg.	8411 · Ag Pool Member Compensation	25.00
				3/14/20 Ag Pool Chair/Vchair-coord. mtg.	8470 · Ag Meeting Attend -Special	100.00
Bill	03/16/2020	3/16 Ag Pool Attny		3/16/20 Ag Pool attorney conference call	8411 · Ag Pool Member Compensation	25.00
				3/16/20 Ag Pool attorney conference call	8470 · Ag Meeting Attend -Special	100.00
Bill	03/16/2020	3/16 OBMP Review		3/16/20 OBMP PE 8 & 9 Review meeting	6311 · Board Member Compensation	125.00
Bill	03/17/2020	3/17 Admin Mtg		3/17/20 Administrative mtg w/PK	6311 · Board Member Compensation	125.00
Bill	03/18/2020	3/18 Ag Pool CC		3/18/20 Ag Pool conference call	8411 · Ag Pool Member Compensation	25.00
				3/18/20 Ag Pool conference call	8470 · Ag Meeting Attend -Special	100.00
Bill	03/19/2020	3/19 Advisory Comm		3/19/20 Advisory Committee meeting	8411 · Ag Pool Member Compensation	25.00
				3/19/20 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/19/2020	3/19 Ag Pool Attny		3/19/20 Ag Pool Attorney conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	03/19/2020	3/19 Admin Mtg		3/19/20 Administrative meeting w/PK	6311 · Board Member Compensation	125.00
Bill	03/20/2020	3/20 Ag Pool Attny		3/20/20 Ag Pool Attorney conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	03/24/2020	3/24 Admin Mtg		3/24/20 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	03/29/2020	3/29 Admin Mtg		3/29/20 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
Bill	03/31/2020	3/31 Ag Pool Attny		3/31/20 Ag Pool Attorney conference call	8470 · Ag Meeting Attend -Special	125.00
TOTAL						2,375.00
Bill Pmt -Check	04/16/2020	22122	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2020	4/09 Confidential		4/09/20 Ag Pool Confidential - meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Confidential - meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	04/16/2020	22123	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020			Retiree Medical	60182.4 · Retiree Medical	30.72
TOTAL						30.72
Bill Pmt -Check	04/16/2020	22124	TOM DODSON & ASSOCIATES	CB271 20-4	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	CB271 20-4		March 2020 - OBMP Update PEIR	6908.1 · 2020 OBMP Update-Dodson & Assoc	39,659.90
TOTAL						39,659.90

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/16/2020	22125	UNITED HEALTHCARE	052574563380	1012 · Bank of America Gen'l Ckg	
Bill	04/15/2020	052574563380		Dental Insurance Premium - May 2020	60182.2 · Dental & Vision Ins	805.17
TOTAL						805.17
Bill Pmt -Check	04/16/2020	22126	VERIZON WIRELESS	9851859975	1012 · Bank of America Gen'l Ckg	
Bill	04/13/2020	9851859975		Acct #470810953-00001	6022 · Telephone	344.33
TOTAL						344.33
General Journal	04/17/2020	04/17/2020	ADP, LLC	ADP Tax Service for 03/21/20-555363387	1012 · Bank of America Gen'l Ckg	
				ADP Tax Service for 03/21/20-555363387	1012 · Bank of America Gen'l Ckg	155.50
				ADP Tax Service for 04/04/20-555363387	1012 · Bank of America Gen'l Ckg	155.50
TOTAL						311.00
General Journal	04/18/2020	04/18/2020	Payroll and Taxes for 04/05/20-04/18/20	Payroll and Taxes for 04/05/20-04/18/20	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 04/05/20-04/18/20	1012 · Bank of America Gen'l Ckg	30,442.21
				Payroll Taxes for 04/05/20-04/18/20	1012 · Bank of America Gen'l Ckg	9,981.00
			ICMA-RC	457(b) EE Deductions for 04/05/20-04/18/20	1012 · Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 04/05/20-04/18/20	1012 · Bank of America Gen'l Ckg	1,562.57
TOTAL						47,462.70
Bill Pmt -Check	04/21/2020	22127	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	797744		797744	6078 · BHFS Legal - Miscellaneous	40,250.70
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	71.49
Bill	03/31/2020	797745		COVID-19 discussions	6073 · BHFS Legal - Personnel Matters	178.20
Bill	03/31/2020	797746		797746	6907.34 · Santa Ana River Water Rights	2,223.00
Bill	03/31/2020	797747		797747	6275 · BHFS Legal - Advisory Committee	891.00
Bill	03/31/2020	797748		797748	6375 · BHFS Legal - Board Meeting	7,338.60
Bill	03/31/2020	797749		797749	8375 · BHFS Legal - Appropriative Pool	1,024.65
Bill	03/31/2020	797750		797750	8475 · BHFS Legal - Agricultural Pool	1,024.65
Bill	03/31/2020	797751		797751	8575 · BHFS Legal - Non-Ag Pool	1,024.65
Bill	03/31/2020	797752		797752	6071 · BHFS Legal - Court Coordination	2,255.85
Bill	03/31/2020	797753		797753	6077 · BHFS Legal - Party Status Maint	4,034.25
Bill	03/31/2020	797754		797754	6907.41 · Prado Basin Habitat Sustain	977.85
Bill	03/31/2020	797755		797755	6907.44 · SGMA Compliance	222.75
Bill	03/31/2020	797756		797756	6907.45 · OBMP Update	47,490.30
				Delivery/Gound Transportation	6907.45 · OBMP Update	150.00
				Mileage/Parking Expense	6907.45 · OBMP Update	71.49
Bill	03/31/2020	797757		797757	6907.47 · 2020 Safe Yield Reset	13,100.85
Bill	03/31/2020	797758		797758	6078.25 · Ely 3 Basin Investigation	89.10

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						122,419.38
Bill Pmt -Check	04/21/2020	22128	GREAT AMERICA LEASING CORP.	26867769	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2020	26867769		Invoice for March 2020 - standard payment	6043.1 · Ricoh Lease Fee	1,581.74
				Supply freight fee	6043.2 · Ricoh Usage & Maintenance Fee	8.57
TOTAL						1,590.31
Bill Pmt -Check	04/21/2020	22129	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	04/21/2020	22130	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/17/2020	4/17 Special Ag Pool		4/17/20 Special Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	04/23/2020	22131	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	04/23/2020	22132	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/10/2020	3/10 Ag Pool Attny		3/10/20 Confidential Ag Pool attorney call	8411 · Ag Pool Member Compensation	25.00
				3/10/20 Confidential Ag Pool attorney call	8470 · Ag Meeting Attend -Special	100.00
Bill	03/12/2020	3/12 Ag/Appro Pool		3/12/20 Ag and Appropriative Pool meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag and Appropriative Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/16/2020	3/16 Ag Pool Attny		3/16/20 Ag Pool chair/attorney meeting	8411 · Ag Pool Member Compensation	25.00
				3/16/20 Ag Pool chair/attorney meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/19/2020	3/19 Advisory Comm		3/19/20 Advisory Committee meeting	8411 · Ag Pool Member Compensation	25.00
				3/19/20 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	03/19/2020	3/19 Ag Pool Attny		3/19/20 Ag Pool attorney conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	03/20/2020	3/20 Ag Pool Attny		3/20/20 Ag Pool attorney conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	03/26/2020	3/26 Board Mtg		3/26/20 Board meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	03/31/2020	3/31 Ag Pool Attny		3/21/20 Ag Pool attorney conference call	8470 · Ag Meeting Attend -Special	125.00
TOTAL						1,125.00
Bill Pmt -Check	04/23/2020	22133	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
April 2020

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/21/2020	90948438900509145		Office fax	6022 · Telephone	154.32
TOTAL						<u>154.32</u>
Bill Pmt -Check	04/23/2020	22134	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	04/21/2020	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	903.53
TOTAL						<u>903.53</u>
Bill Pmt -Check	04/23/2020	22135	VERIZON WIRELESS	9852461491	1012 · Bank of America Gen'l Ckg	
Bill	04/21/2020	9852461491		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						<u>100.04</u>
Bill Pmt -Check	04/27/2020	ACH 042720	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	04/18/2020	04/18/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/05/20-04/18/20	2000 · Accounts Payable	8,180.70
TOTAL						<u>8,180.70</u>
Bill Pmt -Check	04/28/2020	ACH 042820	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2020	15995261		Annual Unfunded Accrued Liability-Plan 3299	60180 · Employers PERS Expense	6,655.12
TOTAL						<u>6,655.12</u>
P72 General Journal	04/30/2020	20/04/16	Wage Works FSA Direct Debits - Apr. 2020	Wage Works FSA Direct Debits - Apr. 2020	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - Apr. 2020	1012 · Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - Apr. 2020	1012 · Bank of America Gen'l Ckg	516.93
				Wage Works FSA Direct Debits - Apr. 2020	1012 · Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,110.11</u>
					Total Disbursements:	<u><u>613,553.28</u></u>



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (April 30, 2020)
(Consent Calendar Item I.B.2.)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of April 2020.

Recommendation: Receive and file VISA Check Detail Report for April 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool – June 11, 2020: Receive and File
Non-Agricultural Pool – June 11, 2020: Receive and File
Agricultural Pool – June 11, 2020: Receive and File
Advisory Committee – June 18, 2020: Receive and File
Watermaster Board – June 25, 2020: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – June 11, 2020:
Non-Agricultural Pool – June 11, 2020:
Agricultural Pool – June 11, 2020:
Advisory Committee – June 18, 2020:
Watermaster Board – June 25, 2020:

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 April 2020 was \$6,515.28. The payment was processed in the amount of \$6,515.28 (by check number 22105 dated April 9, 2020). The monthly charges for April 2020 of \$6,515.28 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
April 2020

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/09/2020	22105	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020	XXXX-XXXX-XXXX-9341		Keyboard tray	6031.7 · Other Office Supplies	56.53
				Dell universal dock - (AN)	6055 · Computer Hardware	251.29
				Employee 10 yr. service award	6141.3 · Admin Meetings	103.59
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	135.07
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	8.36
				Cleaning supplies - wipes	6031.7 · Other Office Supplies	41.63
				Lunch-staff/legal counsel/ag pool pre-mtg.	8412 · Meeting Expenses	164.55
				Laptop - Inspiron 13 5000 Series 5391 (AN)	6055 · Computer Hardware	728.99
				Laptop - Inspiron 7000 15 Series 7591 (JJ)	6055 · Computer Hardware	864.41
				Monitor - (AN)	6055 · Computer Hardware	402.73
				Ethernet cable - (AN)	6055 · Computer Hardware	7.12
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	62.79
				Lunch for staff/consultants-Eng. budget	6909.1 · OBMP Meetings	85.82
				Headset - (JJ)	6031.7 · Other Office Supplies	10.55
				Toner cartridge - (JJ)	6031.7 · Other Office Supplies	18.48
				Logitech webcam - (JJ)	6055 · Computer Hardware	85.61
				Laptops - Inspiron 7000 15 Series 7591	6055 · Computer Hardware	1,728.85
				Cleaning supplies - sanitizer	6031.7 · Other Office Supplies	73.30
				Ergonomic wireless mouse	6055 · Computer Hardware	29.31
				Costco membership renewal	6111 · Membership Dues	174.92
				Toner cartridges	6031.7 · Other Office Supplies	211.86
				Toner cartridges	6031.7 · Other Office Supplies	35.59
				Office supplies	6031.7 · Other Office Supplies	20.80
				Copy paper	6031.1 · Copy Paper	30.64
				Webcams for office - (VA, JW)	6055 · Computer Hardware	182.78
				Miscellaneous office supplies	6031.7 · Other Office Supplies	19.94
				WiFi mesh hub system - (AJ)	6055 · Computer Hardware	107.85
				Registration for ETF for GRACAST	6193.2 · Conference - Registration Fee	72.88
				Registration for PK for GRACAST	6193.2 · Conference - Registration Fee	72.88
				Software - annual renewal	6054 · Computer Software	58.31
				Uniforms for staff	6154 · Uniforms	107.49
				WiFi mesh hub system - (AN)	6055 · Computer Hardware	240.81
				Transaction fee for software renewal	6054 · Computer Software	1.75
				PK mtg w/C. Berch, ETF	8312 · Meeting Expenses	38.81
				PK mtg w/P. Rogers	6312 · Meeting Expenses	56.26
				Fee for increasing number of participants	6022 · Telephone	192.98
				PK mtg w/C. Diggs	8312 · Meeting Expenses	29.75
				Total Disbursements:		\$6,515.28

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TOTAL



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through April 30, 2020 - Financial Report B3 (April 30, 2020)
(Consent Calendar Item I.B.3.)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through April 30, 2020.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2019 through April 30, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool – June 11, 2020: Receive and File
Non-Agricultural Pool – June 11, 2020: Receive and File
Agricultural Pool – June 11, 2020: Receive and File
Advisory Committee – June 18, 2020: Receive and File
Watermaster Board – June 25, 2020: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – June 11, 2020:
Non-Agricultural Pool – June 11, 2020:
Agricultural Pool – June 11, 2020:
Advisory Committee – June 18, 2020:
Watermaster Board – June 25, 2020:

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, 2019 through April 30, 2020 is provided to keep all members apprised of the FY 2019/20 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, 2019 THROUGH APRIL 30, 2020

Financial Report - B3

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER REPLENISHMENT	LAIF VALUE ADJ.	GASB 75 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2019-2020
			APPROPRIATIVE POOL	AG POOL	NON-AG POOL					
Administrative Revenues:										
Administrative Assessments			8,030,143		364,536				8,394,678	8,395,297
Interest Revenue			141,127	8,612	1,926				151,665	75,124
Mutual Agency Project Revenue	171,905								171,905	171,906
Miscellaneous Income	80								80	0
Total Revenues	171,985	-	8,171,270	8,612	366,462	-	-	-	8,718,329	8,642,327
Administrative & Project Expenditures:										
Watermaster Administration	1,295,530								1,295,530	1,589,738
Watermaster Board-Advisory Committee	139,953								139,953	234,147
Ag Pool Misc. Expense - Ag Fund									-	400
Pool Administration			197,480	374,816	78,195				650,490	798,473
Optimum Basin Mgmt Administration		2,085,775							2,085,775	2,308,840
OBMP Project Costs		2,443,132							2,443,132	3,980,468
Debt Service		526,276							526,276	633,440
Basin Recharge Improvements									-	1,634,782
Total Administrative/OBMP Expenses	1,435,483	5,055,183	197,480	374,816	78,195	-	-	-	7,141,156	11,180,288
Net Administrative/OBMP Expenses	(1,263,498)	(5,055,183)								
Allocate Net Admin Expenses To Pools	1,263,498		949,398	273,185	40,915				-	-
Allocate Net OBMP Expenses To Pools		4,528,907	3,441,156.76	979,210	108,540				-	-
Allocate Debt Service to App Pool		526,276	526,276						-	-
Allocate Basin Recharge to App Pool									-	-
Agricultural Expense Transfer*			1,627,211	(1,627,211)					-	-
Total Expenses	6,741,521	-	6,741,521	-	227,650	-	-	-	7,141,156	11,180,288
Net Administrative Income	1,429,748	-	1,429,748	8,612	138,812	-	-	-	1,577,172	(2,537,961)
Other Income/(Expense)										
Replenishment Water Assessments						1,059,430			1,059,430	0
Desalter Replenishment Obligation						61,942			61,942	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water			675,000						675,000	0
RTS Charges from IEUA						(31,147)			(31,147)	0
Interest Revenue						3,016			3,016	0
MWD Water Purchases									-	0
Non-Ag Stored Water Purchases									-	0
Exhibit "G" Non-Ag Pool Water									-	0
MWD Water Purchases									-	0
Groundwater Replenishment						(1,413,794)			(1,413,794)	0
LAIF - Fair Market Value Adjustment									-	0
Other Post-Employment Benefits (OPEB)									-	0
Refund-Excess Reserves			(271,110)						(271,110)	0
Refund-Recharge Debt			(64,564)						(64,564)	0
Funding To/(From) Reserves									-	(225,500)
Net Other Income/(Expense)	0	0	339,326	-	-	(320,554)	-	-	18,771	(225,500)
Net Transfers To/(From) Reserves	0	1,595,944	1,769,074	8,612	138,812	(320,554)	-	-	1,595,944	(2,312,461)
Net Assets, July 1, 2019			7,737,657	505,144	25,310	314,372	16,184	(443,445)	8,155,223	
Net Assets, End of Period			9,506,731	513,756	164,123	(6,182)	16,184	(443,445)	9,751,167	9,751,167
18/19 Assessable Production			75,114.142	21,785.871	3,860.993				100,761.006	
18/19 Production Percentages			74.547%	21.621%	3.832%				100.000%	

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

N:\Administration\Meetings - Agendas & Minutes\2020\Staff Reports\06 - June\pools\20200611 - B3 Combining Schedule-April 2020.xlsx\Jul2019-Apr2020



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: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020 -
Financial Report B4 (April 30, 2020)
(Consent Calendar Item I.B.4.)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of April 1, 2020 through April 30, 2020.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period April 1, 2020 through April 30, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool – June 11, 2020: Receive and File
Non-Agricultural Pool – June 11, 2020: Receive and File
Agricultural Pool – June 11, 2020: Receive and File
Advisory Committee – June 18, 2020: Receive and File
Watermaster Board – June 25, 2020: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – June 11, 2020:
Non-Agricultural Pool – June 11, 2020:
Agricultural Pool – June 11, 2020:
Advisory Committee – June 18, 2020:
Watermaster Board – June 25, 2020:

*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 April 1, 2020 through April 30, 2020 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
APRIL 1, 2020 THROUGH APRIL 30, 2020**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	977,768		
Zero Balance Account - Payroll		-		977,768
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				10,103,335
TOTAL CASH IN BANKS AND ON HAND				\$ 11,082,448
TOTAL CASH IN BANKS AND ON HAND				11,565,795
				\$ (483,347)

PERIOD INCREASE (DECREASE)

\$ (483,347)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:			\$	77,954
Accounts Receivable				-
Assessments Receivable				-
Prepaid Expenses, Deposits & Other Current Assets				68,396
(Decrease)/Increase in Liabilities:				35,668
Accounts Payable				2,350
Accrued Payroll, Payroll Taxes & Other Current Liabilities				(667,716)
Long Term Liabilities				
Transfer to/(from) Reserves				
				\$ (483,347)

PERIOD INCREASE (DECREASE)

\$ (483,347)

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SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Govt'l Checking Demand	Zero Balance Account Payroll	Trust Account County of San Bernardino	Local Agency Investment Funds	Totals
Balances as of 3/31/2020	\$ 500	\$ 423,571	\$ -	\$ 845	\$ 11,140,879	\$ 11,565,795
Deposits	-	1,167,750	-	-	62,456	1,230,206
Transfers	-	(131,885)	(80,393)	-	(1,100,000)	(1,312,277)
Withdrawals/Checks	-	(481,669)	80,393	-	-	(401,276)
	\$ 500	\$ 977,768	\$ -	\$ 845	\$ 10,103,335	\$ 11,082,448
PERIOD INCREASE OR (DECREASE)	\$ -	\$ 554,197	\$ -	\$ -	\$ (1,037,544)	\$ (483,347)

**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
APRIL 1, 2020 THROUGH APRIL 30, 2020**

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
4/1/2020	Withdrawal		(1,100,000)				
4/15/2020	Interest		62,456				
TOTAL INVESTMENT TRANSACTIONS			\$ (1,037,544)	\$0			

* The earnings rate for L.A.I.F. is a daily variable rate; 2.03% was the effective yield rate at the Quarter ended March 31, 2020.

**INVESTMENT STATUS
April 30, 2020**

<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	\$ 10,103,335			
TOTAL INVESTMENTS	\$ 10,103,335			

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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: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020 -
Financial Report B5 (April 30, 2020)
(Consent Calendar Item I.B.5.)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2019 through April 30, 2020.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2019 through April 30, 2020 as presented.

Financial Impact: Funds disbursed were included in the FY 2019/20 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool – June 11, 2020: Receive and File
Non-Agricultural Pool – June 11, 2020: Receive and File
Agricultural Pool – June 11, 2020: Receive and File
Advisory Committee – June 18, 2020: Receive and File
Watermaster Board – June 25, 2020: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – June 11, 2020:
Non-Agricultural Pool – June 11, 2020:
Agricultural Pool – June 11, 2020:
Advisory Committee – June 18, 2020:
Watermaster Board – June 25, 2020:

*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, 2019 through April 30, 2020 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 – APRIL 2020

Year-To-Date (YTD) for the ten months ending April 30, 2020, all but two categories were at or below the projected budget. The categories over budget were: (1) Watermaster Legal Services expenses (6070's) over budget by \$61,942 or 39.5% as a result of ongoing legal services compared to the Y-T-D budget in the miscellaneous category of (6078) over the last ten months; and (2) Agricultural Pool Legal Services (8467's) over budget by \$49,463 or 19.8% as a result of increased legal activities performed by the Agricultural Pool's attorney during the two months of March 2020 through April 2020. For the majority of the expense categories within the Watermaster budget for FY 2019/20, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, the categories listed above could level out over time and be within the budget levels.

Watermaster is not submitting a Budget Transfer Form or Budget Amendment Form at the present time. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget amount. A Budget Amendment would reallocate funding from the Reserve Funds, and does increase the overall FY 2019/20 approved budget.

Overall, the Watermaster (YTD) Actual Expenses were \$3,136,771 or 30.5% below the (YTD) Budgeted Expenses of \$10,277,927.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

February 2020:

The First Amendment to Task Order No. 1 Under Master Agreement Regarding the Management of Collaborative Projects (Salinity Management) was unanimously approved by the Advisory Committee on March 19, 2020 and approved unanimously by the Board on March 26, 2020. As reported within the Financial Impact section of the Staff Report, "The total increase for Watermaster costs to complete the project is \$97,925. A budget amendment will be required to cover the \$33,776 for the remainder of the FY 19/20 and the remaining project costs of \$59,076 and \$43,186 for contingency and environmental review will be budgeted for FY 20/21". Watermaster is not submitting a Budget Amendment Form in the amount of \$33,776 at the present time. Over the next few months, as Watermaster gets closer to the June 30, 2020 fiscal year closing, under budget variances within the Engineering Services budget could allow for a Budget Transfer to fund the shortfall amount of \$33,776 instead of a Budget Amendment. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget amount. A Budget Amendment would reallocate funding from the OBMP Reserve Fund, and does increase the overall FY 2019/20 approved budget. The second quarter ECAC report (July 1, 2019 – December 31, 2019) showed an estimated under budget variance at June 30, 2020 of approximately \$60,446 for the Engineering Services. The third quarter ECAC report (July 1, 2019 – March 31, 2020) is scheduled for issuance in early May 2020.

December 2019:

The Budget Amendment Form A-19-12-01 was approved unanimously by the Board on December 19, 2019. For the accounting month of December 2019, Budget Amendment Form A-19-12-01 was recorded

in the amount of \$225,500 under the 2020 OBMP Update - Dodson & Associates expenses (account 6908.1). The additional funding of \$225,500 came from the OBMP Reserve Fund which had an available balance of \$908,044. The new available balance of the OBMP Reserve Fund is now \$682,544 (\$908,044 - \$225,500 = \$682,544). With the addition of the \$225,500 from Budget Amendment Form A-19-12-01, the Approved "Amended" Budget for FY 2019/20 was increased from \$10,954,787.70 to \$11,180,287.70 (which includes the additional "Carry Over" funding of \$2,312,460.70).

August 2019:

There were no Pool, Advisory or Board meetings scheduled for the month of August 2019.

July 2019:

During the month of July 2019, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$2,312,460.70 has been posted to the general ledger accounts. The total amount of \$2,312,460.70 consisted of \$1,634,781.70 from Capital Improvement Projects, \$357,050.00 from OBMP Activities, \$313,129.00 from Engineering Services, and \$7,500.00 from Administration Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2019/20 is \$10,924,787.70 which includes \$2,312,460.70 for the prior years "Carry Over" funding. The Original Approved budget for FY 2019/20 of \$8,612,327 was adopted by the Watermaster Board on May 23, 2019 ($\$8,612,327 + \$2,312,460.70 = \$10,924,787.70$).

SALARIES EXPENSE

CURRENT MONTH – APRIL 2020

As of April 30, 2020, the total (YTD) Watermaster salary expenses were \$21,550 or 1.3% below the (YTD) budgeted amount of \$1,676,342. 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 2019/20 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 April 30, 2020. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	<u>Jul '19 - Apr '20</u> <u>Actual</u>	<u>Jul '19 - Apr '20</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2019/20</u> <u>Annual Budget</u>
WM Salary Expense					
6011 - WM Staff Salaries	892,495.09	905,421.00	-12,925.91	98.57%	1,084,836.00
6011.1 - WM Staff Salaries - Overtime	14,495.49	0.00	14,495.49	100.0%	0.00
6011.4 - 457(f) NQDC Plan	27,530.72	32,106.00	-4,575.28	85.75%	38,528.00
6017 - Temporary Services	1,128.64	17,500.00	-16,371.36	6.45%	21,000.00
6201 - Advisory Committee - WM Staff Salaries	19,386.83	22,868.00	-3,481.17	84.78%	27,400.00
6301 - Watermaster Board - WM Staff Salaries	34,307.03	36,522.00	-2,214.97	93.94%	43,759.00
8301 - Appropriative Pool - WM Staff Salaries	37,494.03	33,913.00	3,581.03	110.56%	40,634.00
8401 - Agricultural Pool - WM Staff Salaries	21,421.49	28,784.00	-7,362.51	74.42%	34,488.00
8501 - Non-Agricultural Pool - WM Staff Salaries	16,929.98	19,719.00	-2,789.02	85.86%	23,626.00
6901 - OBMP - WM Staff Salaries	202,507.35	105,462.00	97,045.35	192.02%	126,360.00
7101.1 - Production Monitor - WM Staff Salaries	56,286.21	64,510.00	-8,223.79	87.25%	77,293.00
7102.1 - In-line Meter - WM Staff Salaries	0.00	14,170.00	-14,170.00	0.0%	16,978.00
7103.1 - Grdwater Quality - WM Staff Salaries	43,682.82	48,119.00	-4,436.18	90.78%	57,654.00
7104.1 - Grdwater Level - WM Staff Salaries	63,573.29	49,174.00	14,399.29	129.28%	58,918.00
7107.1 - GrdLevel Monitoring - WM Staff Salaries	711.20	5,066.00	-4,354.80	14.04%	6,072.00
7108.1 - Hydraulic Control - WM Staff Salaries	1,133.01	3,425.00	-2,291.99	33.08%	4,104.00
7108.11 - Prado Basin - WM Staff Salaries	399.02	5,010.00	-4,610.98	7.96%	6,003.00
7201 - Comp Recharge - WM Staff Salaries	50,641.82	51,623.00	-981.18	98.1%	61,853.00
7301 - PE3&5 - WM Staff Salaries	9,723.40	14,367.00	-4,643.60	67.68%	17,214.00
7401 - PE4 - WM Staff Salaries	3,468.05	8,798.00	-5,329.95	39.42%	10,541.00
7501 - PE6&7 - WM Staff Salaries	1,136.84	4,733.00	-3,596.16	24.02%	5,671.00
7501.1 - PE 6&7 - WM Staff Salaries (Plume)	0.00	4,519.00	-4,519.00	0.0%	5,415.00
7601 - PE8&9 - WM Staff Salaries	9,740.04	19,044.00	-9,303.96	51.15%	22,818.00
Subtotal WM Staff Costs	1,508,192.35	1,494,853.00	13,339.35	100.89%	1,791,165.00
60185 - Vacation	71,467.88	68,504.00	2,963.88	104.33%	82,204.00
60186 - Sick Leave	17,372.11	47,077.00	-29,704.89	36.9%	56,493.00
60187 - Holidays	57,759.33	65,908.00	-8,148.67	87.64%	70,615.00
Subtotal WM Paid Leaves	146,599.32	181,489.00	-34,889.68	80.78%	209,312.00
Total WM Salary Costs	1,654,791.67	1,676,342.00	-21,550.33	98.71%	2,000,477.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)

January 2020:

The Administrative Assistant submitted her written resignation on January 10, 2020. For a portion of January, the Administrative Assistant position duties were being filled by a temporary agency employee. During the same time period, Watermaster staff were evaluating and interviewing possible candidates who were being submitted for evaluation by multiple temporary agencies.

During the same time frame, Anna Nelson, the Watermaster Executive Services Director, reached out to several water agencies in the local area to see if they had any recommendations or suggestions on possible candidates for the open position. From this outreach, a candidate did contact Watermaster and was interviewed for the open position. On January 24, 2020, a conditional offer of employment was issued with the final screening process being successful completion of a background investigation, passing a drug test, and passing a pre-employment physical. The new employee started employment with Watermaster on February 10, 2020.

LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – APRIL 2020

As of April 30, 2020, 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 \$69,284 or 8.5% below the (YTD) budgeted amount of \$814,324.

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 2019/20. 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 \$958,953.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of April 30, 2020, was \$61,942 or 26.6% above the budgeted amount of \$232,937. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the Miscellaneous (6078) which were over budget by \$176,996 or 222.3%; and the Ely Basin Investigation (6078.25) which were over budget by \$2,192 or 100%. 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 Court Coordination expenses (6072) under budget by \$24,265 or 76.0%; Rules and Regulations (6072) under budget by \$363 or 4.0%; Personnel Matters (6073) under budget by \$520 or 5.2%; Interagency Issues (6074) under budget by \$29,700 or 100.0%; Party Status Maintenance expenses (6077) under budget by \$7,787 or 49.8%; and Assessment Packages-Updates (6078.13) under budget by \$54,611 or 95.6%.

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 April 30, 2020 was \$70,046 or 43.8% below the budgeted amount of \$159,863. 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. For the month of August 2019, no Watermaster meetings were held. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2019. For December 2019, meetings were conducted during the month.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of April 30, 2020, the category of OBMP legal expenses were \$61,181 or 14.5% below the budgeted amount of \$421,524. The majority of expenses within this OBMP category were under budget (YTD), however, the Santa Ana River Water Rights expenses (6907.34) were over budget by \$1,894 or 14.0%; the OBMP Update expenses (6907.45) were over budget by \$151,020 or 167.5%; the Upper SAR Integrated Model expenses (6907.46) were over budget by \$178 or 100%; and the 2020 Safe Yield Reset expenses (6907.47) were over budget by \$61 or .07%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of April 30, 2020 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 '19 - Apr '20 Actual	Jul '19 - Apr '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
0 - Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	7,650.90	31,916.00	-24,265.10	23.97%	38,300.00
6072 · BHFS Legal - Rules & Regulations	8,658.12	9,021.00	-362.88	95.98%	10,825.00
6073 · BHFS Legal - Personnel Matters	9,380.25	9,900.00	-519.75	94.75%	9,900.00
6074 · BHFS Legal - Interagency Issues	0.00	29,700.00	-29,700.00	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	7,837.65	15,625.00	-7,787.35	50.16%	18,750.00
6078 · BHFS Legal - Miscellaneous (Note 1)	256,620.71	79,625.00	176,995.71	322.29%	95,550.00
6078.13 · BHFS - Assessment Packages-Updates	2,539.35	57,150.00	-54,610.65	4.44%	57,150.00
6078.25 · BHFS - Ely # Basin Investigation	2,192.40	0.00	2,192.40	100.0%	0.00
al 6070 · Watermaster Legal Services	294,879.38	232,937.00	61,942.38	126.59%	266,115.00
6275 · BHFS Legal - Advisory Committee					
6275 · BHFS Legal - Advisory Committee	8,967.86	17,820.00	-8,852.14	50.33%	21,780.00
6375 · BHFS Legal - Board Meeting					
6375 · BHFS Legal - Board Meeting	40,632.68	63,180.00	-22,547.32	64.31%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)					
6375.1 · BHFS Legal - Board Workshop(s)	0.00	12,038.00	-12,038.00	0.0%	12,038.00
8375 · BHFS Legal - Appropriative Pool					
8375 · BHFS Legal - Appropriative Pool	13,555.59	22,275.00	-8,719.41	60.86%	27,225.00
8475 · BHFS Legal - Agricultural Pool					
8475 · BHFS Legal - Agricultural Pool	13,355.42	22,275.00	-8,919.58	59.96%	27,225.00
8575 · BHFS Legal - Non-Ag Pool					
8575 · BHFS Legal - Non-Ag Pool	13,305.90	22,275.00	-8,969.10	59.74%	27,225.00
al BHFS Legal Services	89,817.45	159,863.00	-70,045.55	56.18%	192,713.00
17.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.33 · Desalter/Hydraulic Control	89.10	19,687.00	-19,597.90	0.45%	23,625.00
6907.34 · Santa Ana River Water Rights	15,456.60	13,563.00	1,893.60	113.96%	16,275.00
6907.36 · Santa Ana River Habitat	3,048.30	39,458.00	-36,409.70	7.73%	47,350.00
6907.38 · Reg. Water Quality Cntrl Board	712.80	22,958.00	-22,245.20	3.11%	27,550.00
6907.39 · Recharge Master Plan	5,749.68	18,084.00	-12,334.32	31.79%	21,700.00
6907.40 · Storage Agreements	0.00	27,834.00	-27,834.00	0.0%	33,400.00
6907.41 · Prado Basin Habitat Sustainability	2,670.75	13,542.00	-10,871.25	19.72%	16,250.00
6907.42 · Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6907.44 · SGMA Compliance	1,024.65	9,042.00	-8,017.35	11.33%	10,850.00
6907.45 · OBMP Update	241,186.31	90,166.00	151,020.31	267.49%	108,200.00
6907.46 · Upper SAR Integrated Model	178.20	0.00	178.20	100.0%	0.00
6907.47 · 2020 Safe Yield Reset	90,226.98	90,166.00	60.98	100.07%	108,200.00
6907.48 · Ely Basin Investigation	0.00	28,525.00	-28,525.00	0.0%	28,525.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	26,625.00	-26,625.00	0.0%	31,950.00
al 6907 · WM Legal Counsel	360,343.37	421,524.00	-61,180.63	85.49%	500,125.00
al Brownstein, Hyatt, Farber, Schreck Costs	745,040.20	814,324.00	-69,283.80	91.49%	958,953.00

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) Right of Entry Agreements for various locations; (21) Assessment Packages-Updates and Review; and (22) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

OBMP ENGINEERING SERVICES AND LEGAL COSTS
CURRENT MONTH – APRIL 2020

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the five categories of OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, OBMP Update Costs, and OBMP Other Expenses) for the ten months ending April 30, 2020, the actual expenses of \$1,935,963 were below the budgeted amount of \$1,936,109 by \$146 or 0.008%. For a detailed discussion, the following is provided.

For April 30, 2020, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was above the Year-To-Date (YTD) budget by \$85,685 or 65.0%. Watermaster utilizes an in-house database time and attendance system to record and document staff's actual hours worked and also allocates those hours to a specific project or activity. Watermaster staff time could be charged to Administrative, OBMP, or Implementation Project categories. Recently, Watermaster staff spent more time on specific OBMP related areas as budgeted. As a result, Watermaster staff allocated more actual time to the OBMP project as budgeted, which resulted in an over-budget variance of \$97,045 or 92.0%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2019/20 Basin Monitoring Program Task Force Contribution which was budgeted at \$26,392 and actual expenses were \$11,360 or 43.1% below budget as of April 30, 2020.

For April 30, 2020, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was above the Year-To-Date (YTD) budget by \$55,310 or 4.8%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the 2019 OBMP Update expenses (6906.26) which were over budget by \$82,336 or 22.0%; and the OBMP-Safe Yield Recalculation expenses (6906.73) which were over budget by \$139,150 or 56.4%.

Within the category 6907 (Optimum Basin Mgmt. Program Legal Fees) are the remaining Brownstein Hyatt Farber Schreck (BHFS) Watermaster's legal expenses. Within the legal expense category, some individual line item activities were above the budget by \$153,153 while some other line item activities were below the budget by \$214,334. Above the budget line item were the Santa Ana River Water Rights expenses of \$1,894; the OBMP Update expenses of \$151,020; the Upper SAR Integrated Model expenses of \$178; and the 2020 Safe Yield Reset expenses (6907.47) of \$61. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$10,937; the Chino Airport Plume of \$10,937; the Desalter/Hydraulic Control of \$19,598; Santa Ana River Habitat of \$36,410; the Regional Water Quality Control Board of \$22,245; the Recharge Master Plan expenses of \$12,334; Storage Agreements of \$27,834; the Prado Basin Habitat Sustainability of \$10,871; SGMA Compliance of \$8,018; the Ely Basin Investigation expenses of \$28,525; and the WM Unanticipated legal expenses of \$26,625. For the ten months ended April 30, 2020, the overall cumulative (YTD) budget was \$421,524 and the actual (BHFS) legal expenses totaled \$360,343 which resulted in an under-budget variance of \$61,181 or 14.5%.

The OBMP Update Costs (6908.1) were below the budget for the month. These expenses relate to the OBMP Update costs for the contract between Tom Dodson and Associates and CBWM to procure environmental review services for the 2020 OBMP Update. This budget was funded through Budget Amendment A-19-12-01 in the amount of \$225,500. Budget Amendment A-19-12-01 was adopted by the Board on December 19, 2019. As of April 30, 2020, this category of expenses was \$76,132 or 33.8% below the budgeted amount of \$225,500.

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 April 30, 2020, this category of expenses was \$3,828 or 46.4% below the budgeted amount of \$8,250.

Overall, the Optimum Basin Management Program (OBMP) category was \$1,935,963 compared to a (YTD) budget of \$1,936,109 for an under budget of \$146 or 0.008% as of April 30, 2020.

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 table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of April 30, 2020 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 '19 - Apr '20 Actual	Jul '19 - Apr '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	202,507.35	105,462.00	97,045.35	192.02%	126,360.00
6903 · OBMP SAWPA Group	15,032.00	26,392.00	-11,360.00	56.96%	26,392.00
Total 6901-6903 · OBMP WM Staff/SAWPA	217,539.35	131,854.00	85,685.35	164.99%	152,752.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	1,541.70	4,280.00	-2,738.30	36.02%	4,280.00
6906.15 · Integrated Model Mtgs. - IEUA Costs	5,841.10	17,400.00	-11,558.90	33.57%	20,880.00
6906.17 · Planning Study Analysis	5,934.50	9,855.00	-3,920.50	60.22%	11,826.00
6906.18 · Prado Dam FS/EIS/EIR-50% IEUA	0.00	15,466.00	-15,466.00	0.0%	18,560.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	11,386.55	17,220.00	-5,833.45	66.12%	20,664.00
6906.23 · SGMA Reporting Requirements	7,721.10	11,325.00	-3,603.90	68.18%	13,590.00
6906.24 · Compliance - SB88 and SWRCB	3,752.30	7,036.00	-3,283.70	53.33%	8,444.00
6906.26 · 2019 OBMP Update	456,416.42	374,080.00	82,336.42	122.01%	388,896.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	0.00	12,608.00	-12,608.00	0.0%	15,130.00
6906.28 · Agriculture Prod. & Estimation	1,730.10	19,350.00	-17,619.90	8.94%	23,220.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	72,887.72	86,145.00	-13,257.28	84.61%	103,374.00
6906.32 · OBMP - Other General Meetings	69,283.65	70,711.00	-1,427.35	97.98%	84,853.00
6906.71 · OBMP - Data Requests - CBWM Staff	104,233.95	105,804.00	-1,570.05	98.52%	126,964.00
6906.72 · OBMP - Data Requests - Non CBWM	27,183.34	42,484.00	-15,300.66	63.99%	50,980.00
6906.73 · OBMP - Safe Yield Recalculation	385,655.66	246,506.00	139,149.66	156.45%	276,608.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	11,328.60	62,481.00	-51,152.40	18.13%	74,977.00
6906.81 · Prepare Annual Reports	10,220.20	15,416.00	-5,195.80	66.3%	15,416.00
6906 · OBMP Engineering Services - Other	29,173.98	30,814.00	-1,640.02	94.68%	36,976.00
Total 6906 · OBMP Engineering Services.	1,204,290.87	1,148,981.00	55,309.87	104.81%	1,295,638.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.32 · Chino Airport Plume	0.00	10,937.00	-10,937.00	0.0%	13,125.00
6907.33 · Desalter/Hydraulic Control	89.10	19,687.00	-19,597.90	0.45%	23,625.00
6907.34 · Santa Ana River Water Rights	15,456.60	13,563.00	1,893.60	113.96%	16,275.00
6907.36 · Santa Ana River Habitat	3,048.30	39,458.00	-36,409.70	7.73%	47,350.00
6907.38 · Reg. Water Quality Cntrl Board	712.80	22,958.00	-22,245.20	3.11%	27,550.00
6907.39 · Recharge Master Plan	5,749.68	18,084.00	-12,334.32	31.79%	21,700.00
6907.40 · Storage Agreements	0.00	27,834.00	-27,834.00	0.0%	33,400.00
6907.41 · Prado Basin Habitat Sustainability	2,670.75	13,542.00	-10,871.25	19.72%	16,250.00
6907.42 · Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6907.44 · SGMA Compliance	1,024.65	9,042.00	-8,017.35	11.33%	10,850.00
6907.45 · OBMP Update	241,186.31	90,166.00	151,020.31	267.49%	108,200.00
6907.46 · Upper SAR Integrated Model	178.20	0.00	178.20	100.0%	0.00
6907.47 · 2020 Safe Yield Reset	90,226.98	90,166.00	60.98	100.07%	108,200.00
6907.48 · Ely Basin Investigation	0.00	28,525.00	-28,525.00	0.0%	28,525.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	26,625.00	-26,625.00	0.0%	31,950.00
Total 6907 · WM Legal Counsel	360,343.37	421,524.00	-61,180.63	85.49%	500,125.00
Total 6907 · OBMP Legal Fees	360,343.37	421,524.00	-61,180.63	85.49%	500,125.00
6908 · OBMP Updates					
6908.1 · 2020 OBMP Update-Dodson & Assoc.	149,367.85	225,500.00	-76,132.15	66.24%	225,500.00
Total 6908 · OBMP Updates	149,367.85	225,500.00	-76,132.15	66.24%	225,500.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	3,185.93	1,250.00	1,935.93	254.87%	1,500.00
6909.3 · Other OBMP Expenses	1,236.00	2,000.00	-764.00	61.8%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	5,000.00	-5,000.00	0.0%	5,000.00
6909 · OBMP Other Expenses - Other	0.00	0.00	0.00	0.0%	0.00
Total 6909 · OBMP Other Expenses	4,421.93	8,250.00	-3,828.07	53.6%	8,500.00
Total 6900 · Optimum Basin Mgmt Plan	1,935,963.37	1,936,109.00	-145.63	99.99%	2,182,515.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

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

CURRENT MONTH – APRIL 2020

As of April 30, 2020, the total (YTD) Engineering Services expenses were \$326,788 or 12.9% below the (YTD) budget amount of \$2,543,089. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget of as of April 30, 2020, except for the Hydraulic Control-Laboratory Services expenses (7108.4) which were over budget by \$10,286 or 142.9%; the PE4-Engineering expenses (7402) which were over budget by \$7,026 or 7.0%; the PE6&7-Engineering expenses (7502) which were over budget by \$10,796 or 14.0%; and the PE6&7-SAWBMP Task Force-50% IEUA expenses (7511) which were over budget by \$7,884 or 53.2%.

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

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 April 30, 2020. 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 '19 - Apr '20 Actual	Jul '19 - Apr '20 Budget	\$ Over Budget	% of Budget	FY 2019/20 Annual Budget
6906 · OBMP Engineering Services - Other	29,173.98	30,814.00	-1,640.02	94.68%	36,976.00
6906.1 · OBMP - Watermaster Model Update	1,541.70	4,280.00	-2,738.30	36.02%	4,280.00
6906.15 · Integrated Model Mtgs-IEUA Cost	5,841.10	17,400.00	-11,558.90	33.57%	20,880.00
6906.17 · Planning Study Analysis	5,934.50	9,855.00	-3,920.50	60.22%	11,826.00
6906.18 · Prado Dam FS/EIS/EIR-50% IEUA	0.00	15,466.00	-15,466.00	0.0%	18,560.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	11,386.55	17,220.00	-5,833.45	66.12%	20,664.00
6906.23 · SGMA Reporting Requirements	7,721.10	11,325.00	-3,603.90	68.18%	13,590.00
6906.24 · Compliance - SB88 and SWRCB	3,752.30	7,036.00	-3,283.70	53.33%	8,444.00
6906.26 · 2019 OBMP Update	456,416.42	374,080.00	82,336.42	122.01%	388,896.00
6906.27 · HCP Meetings/Technical Review-IEUA Cos	0.00	12,608.00	-12,608.00	0.0%	15,130.00
6906.28 · Agriculture Prod. & Estimation	1,730.10	19,350.00	-17,619.90	8.94%	23,220.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	72,887.72	86,145.00	-13,257.28	84.61%	103,374.00
6906.32 · OBMP - Other General Meetings	69,283.65	70,711.00	-1,427.35	97.98%	84,853.00
6906.71 · OBMP - Data Requests - CBWM Staff	104,233.95	105,804.00	-1,570.05	98.52%	126,964.00
6906.72 · OBMP - Data Requests - Non CBWM	27,183.34	42,484.00	-15,300.66	63.99%	50,980.00
6906.73 · OBMP - Safe Yield Recalculation	385,655.66	246,506.00	139,149.66	156.45%	276,608.00
6906.74 · OBMP - Mat'l Physical Injury Requests	11,328.60	62,481.00	-51,152.40	18.13%	74,977.00
6906.76 · County Extraction Well-Modeling	0.00	0.00	0.00	0.0%	0.00
6906.81 · Prepare Annual Reports	10,220.20	15,416.00	-5,195.80	66.3%	15,416.00
6906.90 · OBMP - 2018 RMPU Master Update	0.00	0.00	0.00	0.0%	0.00
7103.3 · Grdwtr Qual-Engineering	173,788.41	181,617.00	-7,828.59	95.69%	217,941.00
7103.5 · Grdwtr Qual-Lab Svcs	60,876.00	66,545.00	-5,669.00	91.48%	69,045.00
7104.3 · Grdwtr Level-Engineering	105,665.16	163,224.00	-57,558.84	64.74%	195,869.00
7104.8 · Grdwtr Level-Contracted Services	0.00	8,334.00	-8,334.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	4,540.19	6,666.00	-2,125.81	68.11%	8,000.00
7107.2 · Grd Level-Engineering	34,877.84	89,073.00	-54,195.16	39.16%	101,021.00
7107.3 · Grd Level-SAR Imagery	12,000.00	85,000.00	-73,000.00	14.12%	85,000.00
7107.6 · Grd Level-Contract Svcs	91,002.38	107,442.00	-16,439.62	84.7%	126,950.00
7107.8 · Grd Level-Capital Equipment	0.00	10,870.00	-10,870.00	0.0%	13,044.00
7108.31 · Hydraulic Control-PBHSP	55,091.47	61,722.00	-6,630.53	89.26%	74,066.00
7108.4 · Hydraulic Control-Lab Svcs	17,484.00	7,198.00	10,286.00	242.9%	8,638.00
7108.41 · Hydraulic Control-PBHSP	2,312.00	12,522.00	-10,210.00	18.46%	15,026.00
7108.6 · Hydraulic Control-Outside Professionals	24,153.00	28,000.00	-3,847.00	86.26%	28,000.00
7109.3 · Recharge & Well - Engineering	23,196.80	23,250.00	-53.20	0.0%	25,260.00
7202.2 · Comp Recharge-Engineering Services	11,480.71	39,674.00	-28,193.29	28.94%	47,608.00
7303 · PE3&5-Engineering - Other	7,095.40	8,466.00	-1,370.60	83.81%	10,160.00
7402 · PE4-Engineering	107,556.18	100,530.00	7,026.18	106.99%	111,036.00
7402.10 · PE4-MZ1 Pomona Project	134,247.41	204,261.00	-70,013.59	65.72%	204,261.00
7403 · PE4-Contract Svcs	0.00	0.00	0.00	0.0%	0.00
7502 · PE6&7-Engineering	88,062.00	77,266.00	10,796.00	113.97%	92,720.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	35,871.65	77,136.00	-41,264.35	46.5%	77,136.00
7511 · PE6&7-SAWBMP Task Force-50% IEUA	22,709.76	14,826.00	7,883.76	153.18%	17,792.00
7512 · PE6&7-Recomputation WQ-50% IEUA	0.00	20,486.00	-20,486.00	0.0%	24,584.00
7602 · PE8&9-Engineering	0.00	0.00	0.00	0.0%	0.00
Total Engineering Services Costs	2,216,301.23	2,543,089.00	-326,787.77	87.15%	2,858,795.00 *

* Wildermuth and Subcontractor Engineering Budget of \$2,545,666 plus Carryover Funds from FY 2018/19 of \$313,129
Carryover Funds from FY 2018/19 of \$313,129 = \$29,332 (7107.2); \$9,900 (7107.6); \$196,761 (7402.10); and \$77,136 (7510)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

March 2020:

The First Amendment to Task Order No. 1 Under Master Agreement Regarding the Management of Collaborative Projects (Salinity Management) was unanimously approved by the Advisory Committee on March 19, 2020 and approved unanimously by the Board on March 26, 2020. As reported within the

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

Financial Impact section of the Staff Report, "The total increase for Watermaster costs to complete the project is \$97,925. A budget amendment will be required to cover the \$33,776 for the remainder of the FY 19/20 and the remaining project costs of \$59,076 and \$43,186 for contingency and environmental review will be budgeted for FY 20/21". Watermaster is not submitting a Budget Amendment Form in the amount of \$33,776 at the present time. Over the next few months, as Watermaster gets closer to the June 30, 2020 fiscal year closing, under budget variances within the Engineering Services budget could allow for a Budget Transfer to fund the shortfall amount of \$33,776 instead of a Budget Amendment. A Budget Transfer reallocates the existing FY 2019/20 approved budget, which does not increase the approved budget amount. A Budget Amendment would reallocate funding from the OBMP Reserve Fund, and does increase the overall FY 2019/20 approved budget.

The Fiscal Year 2020/21 Progress and Estimated Cost at Completion for the Period July 1, 2019 through March 31, 2020 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/3ccfdc76efa4d6/?modal=1>

The third quarter ECAC report (for the months July 2019 - March 31, 2020) is listed below:

Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2019/20
As of March 31, 2020

Acct #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Billed Oct-19	Billed Nov-19	Billed Dec-19	Billed Jan-20
6006	OBMP Engineering	\$ 575,594	\$ 575,594	\$ 31,137	\$ 27,401	\$ 31,263	\$ 30,883	\$ 36,382	\$ 35,211	\$ 57,631
6006.20	2020 OBMP Update	389,806	389,806	97,717	78,904	36,908	58,950	74,228	52,904	30,555
6006.73	2021 Safe Yield Recalculation	276,608	276,608	53,873	63,420	40,271	20,881	30,125	32,111	40,755
6006.15	IEUA - Integrated Model Meetings and Technical	20,880	20,880	9,514	-	813	-	-	-	-
6007.16	IEUA - CBP Evaluation and Conceptual Design S	-	-	5,789	1,943	11,842	17,476	1,599	8,017	1,705
6003.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	-	-	-	-
6006.18	OCWD and Army Corps of Engineers Prado Dam	18,580	18,580	-	-	-	-	-	-	-
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,822	37,873	17,263	17,804	11,204	5,566	20,004
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	26,815	26,516	15,784	-	7,810	332
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,495	16,462	13,364	10,523	11,799	11,443
7104.6	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	1,020	-	-	-
7107.2	Ground Level - Engineering Services	69,937	96,269	11,421	4,069	2,091	2,790	1,956	2,613	1,994
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	-
7107.8	Ground Level - Contract Services	117,058	128,950	5,175	-	-	-	-	-	-
7107.9	Ground Level - Capital Equipment	13,044	13,044	520	132	89	-	83	85	133
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,390	1,402	635	1,704	2,060	9,232	21,097
7108.9	IEUA - PBHSP - Outside Pro	23,000	23,000	40,000	-	4,153	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,269	25,269	-	3,010	-	-	5,030	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,162	388	1,286	1,624	1,036	294	1,011
7206	GRCC & IEUA - 5689 Specification to Ensure Co	-	-	-	-	7,446	95	60	-	59
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	-	-	-
7402	OBMP - Engineering Services - MZ1	111,036	111,036	20,871	36,892	19,824	3,011	1,205	2,170	3,342
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	6,111	15,243	19,947	7,979	17,895	21,601	10,034
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,465	6,595	-	-	-
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,138	3,595	601	4,320	12,624	533	3,878	771
7511	IEUA - As requested services to support Waterma	17,782	17,782	-	1,562	1,178	6,162	6,117	686	4,131
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
Totals		\$ 2,543,666	\$ 2,638,795	\$ 337,571	\$ 309,660	\$ 280,961	\$ 226,338	\$ 200,055	\$ 196,677	\$ 204,596

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2019-20CBWM_Invoice_Summary_ISBM_20200406-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 2019/20
As of March 31, 2020

Acct #	Description	Billed Feb-20	Billed Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share			
								Total Projected	Under / (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6900	OBMP Engineering	\$ 37,771	\$ 37,630	\$ 30,721	\$ 49,991	\$ 40,961	\$ 456,071	\$ 456,071	\$ 110,493	57%	79%
6900.20	2020 OBMP Update	11,200	11,048	500	18,750	6,750	480,000	480,000	(81,113)	117%	123%
6906.73	2021 Safe Yield Recalculation	39,967	-	67,286	58,000	-	435,760	435,760	(150,181)	116%	158%
6906.15	IEUA - Integrated Model Meetings and Technical R	1,355	-	2,000	2,000	2,000	17,682	8,841	12,039	58%	42%
6907.16	IEUA - CBP Evaluation and Conceptual Design S	8,835	31,024	39,442	39,442	39,442	207,155	-	-	n/a	n/a
6908.27	IEUA - HCP Meetings and Technical Review	-	-	3,362	3,362	3,362	10,096	5,043	10,057	0%	33%
6908.18	OCWD and Army Corps of Engineers Prado Dam	-	-	-	-	-	-	-	18,560	0%	0%
7103.3	GW and SW Quality - Engineering Services	13,447	13,645	14,790	11,298	18,000	203,476	203,476	14,465	73%	93%
7103.5	GW and SW Quality - Laboratory Services	-	-	2,750	-	1,850	85,590	85,590	7,120	37%	82%
7104.3	GW Level - Engineering Services	6,853	10,574	11,784	18,786	25,028	151,743	151,743	44,126	56%	77%
7104.8	GW Level - Contract Services	-	10	-	-	7,000	7,057	7,057	2,943	1%	71%
7104.9	GW Level - Capital Services	-	-	-	18,000	-	17,013	17,013	(7,013)	13%	213%
7107.2	Ground Level - Engineering Services	6,716	5,467	8,325	7,373	31,072	85,487	85,487	13,782	39%	96%
7107.3	Ground Level - SAR Imagery	-	-	74,752	-	-	89,752	89,752	-	14%	100%
7107.6	Ground Level - Contract Services	-	-	100,000	17,050	4,725	126,950	126,950	-	4%	100%
7107.6	Ground Level - Capital Equipment	94	150	1,000	1,000	600	3,886	3,886	9,158	10%	30%
7103.31	IEUA - Prado Basin Habitat Monitoring	16,078	10,497	49,450	28,900	12,950	152,288	76,143	(2,077)	37%	103%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	44,153	22,077	5,824	158%	79%
7109.3	Recharge & Well Monitoring - Engineering Serv.	5,312	4,497	5,500	4,000	-	27,340	27,340	(2,096)	71%	105%
7202.2	Comp Recharge - Engineering Services	2,371	1,873	900	2,300	600	14,930	14,930	32,678	23%	31%
7208.1	GRCC & IEUA - SB88 Specification to Ensure Co	1,422	3,924	7,800	21,800	96,946	139,570	-	-	n/a	n/a
7303	OBMP - Engineering Services - Desalters	1,282	4,682	1,000	1,400	1,500	10,155	10,155	6	82%	100%
7402	OBMP - Engineering Services - MZ1	5,286	5,818	2,100	5,815	7,100	110,510	110,510	(8,474)	94%	108%
7402.1	OBMP - Engineering Services - Northwest MZ1	3,793	21,849	17,000	21,000	40,845	202,997	202,997	1,264	81%	99%
7502	OBMP - Engineering Services - WQC	2,443	21,522	7,832	2,500	1,900	92,539	92,539	152	57%	100%
7510	IEUA - Update Recycled Water Permits - Salinity	21,508	14,998	27,724	55,000	124,510	270,073	110,913	(33,779)	81%	144%
7511	As requested services to support Watermaster an	899	1,118	2,500	2,500	1,493	28,355	28,355	(10,563)	123%	159%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	-	-	24,584	0%	0%
Totals		\$ 189,608	\$ 202,035	\$ 467,378	\$ 384,237	\$ 476,523	\$ 3,475,638	\$ 2,858,650	\$ 145	75%	100%

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

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2019-20CBWM_Invoice_Summary_ISBM_20200408--Projection Summary



December 2019:

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, 2019 and shows a projected under budget at fiscal year-end June 30, 2020 of \$60,446.

The second quarter ECAC report (for the months July 2019 – December 2019) 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, 2019

Acct #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Billed Oct-19	Billed Nov-19	Billed Dec-19	Projected Jan-20
6906	OBMP Engineering	\$ 575,564	\$ 575,564	\$ 31,137	\$ 27,491	\$ 31,283	\$ 30,863	\$ 36,362	\$ 35,211	\$ 63,393
6906.26	2020 OBMP Update	386,896	386,896	97,717	79,904	36,996	58,850	74,228	52,604	20,000
6906.73	2021 Safe Yield Recalculation	276,608	276,608	53,973	53,420	40,271	29,861	30,125	32,111	40,000
6908.15	IEUA - Integrated Model Meetings and Technical R	20,880	20,880	9,514	-	813	-	-	-	2,000
6907.16	IEUA - CBP Evaluation and Conceptual Design St	-	-	5,789	1,943	11,842	17,476	1,599	8,017	30,000
6906.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	-	-	-	-
6908.18	OCWD and Army Corps of Engineers Prado Dam	18,560	18,560	-	-	-	-	-	-	9,280
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,922	37,873	17,263	17,604	11,204	8,566	27,800
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	26,015	26,516	15,784	-	7,810	1,634
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,405	16,462	13,384	10,523	11,799	14,240
7104.8	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	1,020	-	-	-
7107.2	Ground Level - Engineering Services	69,937	99,269	11,421	4,069	2,091	2,790	1,956	2,613	9,676
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	18,752
7107.6	Ground Level - Contract Services	117,050	126,950	5,175	-	-	-	-	-	7,000
7107.8	Ground Level - Capital Equipment	13,044	13,044	520	132	69	-	83	85	150
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,380	1,402	635	1,704	2,060	9,232	32,980
7108.6	IEUA - PBHSP - Outside Pro	28,000	28,000	40,000	-	-	-	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,260	25,260	-	3,010	-	-	5,030	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,162	386	1,266	1,624	1,036	294	4,879
7206	GRCC & IEUA - SB88 Specification to Ensure Co	-	-	-	-	7,448	95	80	-	21,800
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	-	-	847
7402	OBMP - Engineering Services - MZ1	111,038	111,038	20,871	39,892	19,924	3,811	1,205	2,170	1,716
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	6,111	15,243	19,947	7,879	17,895	21,801	15,800
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,485	5,595	-	-	-
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,136	3,595	601	4,320	12,634	533	3,878	34,500
7511	IEUA - As requested services to support Waterma	17,792	17,792	-	1,592	1,178	6,162	6,117	686	3,500
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
Totals		\$ 2,545,666	\$ 2,659,795	\$ 337,571	\$ 309,660	\$ 276,808	\$ 226,338	\$ 200,055	\$ 196,677	\$ 359,756

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2019-20CBWM_Invoice_Summary_ISBM_20200106--Projection Summary



Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of December 31, 2019

Acct #	Description	Projected Feb-20	Projected Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share			
								Total Projected	Under Rev. Budget	Over Rev. Budget	YTD % Billed Rev. Budget
6906	OBMP Engineering	\$ 49,747	\$ 56,547	\$ 55,857	\$ 52,357	\$ 40,746	\$ 511,032	\$ 511,032	\$ 64,532	33%	89%
6906.26	2020 OBMP Update	20,000	20,000	2,000	2,000	2,000	466,301	466,301	(77,405)	103%	120%
6906.73	2021 Safe Yield Recalculation	20,000	12,000	-	-	-	311,761	311,761	(35,153)	87%	113%
6908.15	IEUA - Integrated Model Meetings and Technical R	2,000	2,000	2,000	2,000	2,000	22,327	11,164	9,716	49%	53%
6907.16	IEUA - CBP Evaluation and Conceptual Design St	30,000	25,000	5,000	5,000	5,000	146,896	-	-	n/a	n/a
6906.27	IEUA - HCP Meetings and Technical Review	3,362	3,362	3,362	3,362	3,362	16,910	8,405	6,725	0%	56%
6908.18	OCWD and Army Corps of Engineers Prado Dam	9,280	4,840	-	-	-	23,200	11,600	6,960	0%	63%
7103.3	GW and SW Quality - Engineering Services	21,210	16,930	11,800	4,308	16,034	209,594	209,594	8,347	52%	96%
7103.5	GW and SW Quality - Laboratory Services	-	2,550	3,800	-	1,050	89,491	86,491	3,218	87%	97%
7104.3	GW Level - Engineering Services	12,600	21,800	11,784	13,828	23,628	167,154	167,154	28,715	35%	85%
7104.8	GW Level - Contract Services	5,000	5,000	-	-	-	10,038	10,038	(38)	0%	100%
7104.9	GW Level - Capital Services	-	-	-	12,000	-	13,013	13,013	(5,013)	13%	163%
7107.2	Ground Level - Engineering Services	10,676	12,362	12,063	6,526	11,191	87,436	87,436	11,833	25%	88%
7107.3	Ground Level - SAR Imagery	-	58,000	-	-	-	86,752	86,752	-	14%	100%
7107.6	Ground Level - Contract Services	20,050	29,725	25,000	15,000	25,000	126,950	126,950	-	4%	100%
7107.8	Ground Level - Capital Equipment	1,000	600	150	1,000	600	4,409	4,409	8,635	7%	34%
7108.31	IEUA - Prado Basin Habitat Monitoring	35,540	30,618	20,794	7,790	4,266	148,411	74,208	(140)	22%	100%
7108.6	IEUA - PBHSP - Outside Pro	10,000	-	-	-	-	50,000	25,000	3,000	143%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	5,000	-	7,000	3,400	-	23,440	23,440	1,820	32%	93%
7202.2	Comp Recharge - Engineering Services	4,879	2,248	4,879	4,879	2,248	29,780	29,780	17,828	12%	63%
7206.1	GRCC & IEUA - SB88 Specification to Ensure Co	21,800	21,800	21,800	21,800	21,800	138,421	-	-	n/a	n/a
7303	OBMP - Engineering Services - Desalters	847	847	847	847	847	5,082	5,082	5,078	0%	50%
7402	OBMP - Engineering Services - MZ1	7,000	6,000	4,533	5,000	6,000	119,321	119,321	(8,285)	76%	107%
7402.1	OBMP - Engineering Services - Northwest MZ1	18,000	33,426	17,500	15,826	15,032	204,260	204,260	1	43%	100%
7502	OBMP - Engineering Services - WQC	12,000	19,500	7,000	-	-	94,841	94,841	(2,121)	61%	102%
7510	IEUA - Update Recycled Water Permit - Salinity	34,500	34,500	34,500	34,500	35,664	233,746	77,136	-	33%	100%
7511	As requested services to support Watermaster an	3,500	3,000	1,483	1,483	1,483	30,183	30,183	(12,391)	68%	170%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	24,584	24,584	0	0%	0%
Totals		\$ 357,990	\$ 422,454	\$ 292,231	\$ 212,597	\$ 217,971	\$ 3,370,420	\$ 2,798,349	\$ 60,448	64%	98%

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

1/21/2020--9:32 AM
2019-20CBWM_Invoice_Summary_ISBM_20200106--Projection Summary



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

The Fiscal Year 2019/20 Progress and Estimated Cost at Completion for the Period July 1, 2019 through

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

December 31, 2019 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/d7d10355a19e82/?modal=1>

The third quarter ECAC report is scheduled to be issued early May 2020 for the period July 1, 2019 through March 31, 2020.

September 2019:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2019 and shows a projected under budget at fiscal year-end June 30, 2020 of \$48,429.

The first quarter ECAC report (for the months July 2019 – September 2019) is listed below:

Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of September 30, 2019

Acct. #	Description	Original Budget	Revised Budget	Billed Jul-19	Billed Aug-19	Billed Sep-19	Projected Oct-19	Projected Nov-19	Projected Dec-19	Projected Jan-20
8906	OBMP Engineering	\$ 575,564	\$ 575,564	\$ 31,137	\$ 27,491	\$ 31,293	\$ 45,199	\$ 64,356	\$ 49,407	\$ 64,277
8906.26	2020 OBMP Update	368,896	368,896	97,717	79,904	36,998	46,500	81,500	46,500	12,000
6906.73	2021 Safe Yield Recalculation	276,608	276,608	53,973	53,420	40,271	30,000	40,000	40,000	40,000
6906.15	IEUA - Integrated Model Meetings and Technical	20,880	20,880	9,514	-	813	2,000	2,000	2,000	2,000
6907.16	IEUA - CBP Evaluation and Conceptual Design St	-	-	5,789	1,943	11,842	5,000	5,000	5,000	30,000
6906.27	IEUA - HCP Meetings and Technical Review	15,130	15,130	-	-	-	3,362	3,362	3,362	3,362
6906.18	OCWD and Army Corps of Engineers Prado Dam	18,560	18,560	-	-	-	-	9,280	4,640	9,280
7103.3	GW and SW Quality - Engineering Services	217,941	217,941	19,922	37,873	17,263	16,670	18,010	18,530	11,700
7103.5	GW and SW Quality - Laboratory Services	92,709	92,709	4,532	11,424	24,971	34,393	9,900	1,050	1,634
7104.3	GW Level - Engineering Services	195,869	195,869	12,723	4,405	18,462	14,500	14,200	22,160	13,275
7104.8	GW Level - Contract Services	10,000	10,000	38	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	(7)	-	-	-	-	-	2,000
7107.2	Ground Level - Engineering Services	69,937	99,269	11,421	4,069	2,091	4,300	4,500	5,000	9,476
7107.30	Ground Level - SAR Imagery	86,752	86,752	12,000	-	-	-	-	-	18,752
7107.6	Ground Level - Contract Services	117,050	126,950	5,175	-	-	-	-	-	7,000
7107.8	Ground Level - Capital Equipment	13,044	13,044	520	132	89	150	1,000	600	150
7108.31	IEUA - Prado Basin Habitat Monitoring	74,066	74,066	1,360	1,402	635	1,640	7,000	26,900	23,690
7108.6	IEUA - PBHSP - Outside Pro	28,000	28,000	40,000	-	-	-	10,000	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	25,260	25,260	-	3,010	-	-	4,000	-	-
7202.2	Comp Recharge - Engineering Services	47,608	47,608	1,162	368	1,266	4,879	4,879	2,248	4,879
7206	GRCC & IEUA - SB88 Specification to Ensure Co	-	-	-	-	7,446	14,569	14,569	14,569	14,569
7303	OBMP - Engineering Services - Desalters	10,160	10,160	-	-	-	-	847	847	847
7402	OBMP - Engineering Services - MZ1	111,036	111,036	20,871	39,892	19,924	2,000	1,000	1,000	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	7,500	204,261	8,111	15,243	19,947	5,500	21,500	20,500	17,000
7502	OBMP - Engineering Services - WQC	92,720	92,720	-	12,281	38,465	5,600	-	-	2,700
7510	IEUA - Update Recycled Water Permit - Salinity	-	77,136	3,595	601	4,320	25,025	25,025	25,025	25,025
7511	IEUA - As requested services to support Waterma	17,792	17,792	-	1,592	1,178	3,500	4,500	2,000	3,500
7512	IEUA - Triennial Recomputation of Ambient Water	24,584	24,584	-	-	-	-	-	-	-
Totals		\$ 2,545,666	\$ 2,858,795	\$ 337,571	\$ 295,069	\$ 275,263	\$ 264,786	\$ 336,427	\$ 291,237	\$ 319,115

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2019-20CBWM_Invoice_Summary_ISBM_1st Qtr ECAC--Projection Summary



Attachment 1a
Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2018/19
As of September 30, 2019

Acct #	Description	Projected Feb-20	Projected Mar-20	Projected Apr-20	Projected May-20	Projected Jun-20	Total Projected	Less IEUA and GRCC Portion of Cost Share				
								Total Projected	Under Rev. Budget	(Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 59,857	\$ 55,281	\$ 47,887	\$ 40,747	\$ 40,746	\$ 557,244	\$ 557,244	\$ 18,320		16%	97%
6906.25	2020 OBMP Update	4,500	1,500	1,500	1,500	1,500	411,819	411,819	(22,723)		55%	106%
6906.73	2021 Safe Yield Recalculation	5,000	20,000	-	-	-	312,684	312,684	(36,056)		53%	113%
6906.15	IEUA - Integrated Model Meetings and Technical S	2,000	2,000	2,000	2,000	2,000	28,327	14,164	6,716		25%	88%
6907.18	IEUA - CBP Evaluation and Conceptual Design S	30,000	25,000	5,000	5,000	5,000	134,574	-	-	n/a		n/a
6906.27	IEUA - HCP Meetings and Technical Review	3,362	3,362	3,362	3,362	3,362	30,258	15,129	1		0%	100%
6906.18	OCWD and Army Corps of Engineers Prado Dam	9,280	4,640	-	-	-	37,120	18,560	-		0%	100%
7103.3	GW and SW Quality - Engineering Services	20,360	15,430	9,080	4,308	15,914	205,059	205,059	12,862		34%	94%
7103.5	GW and SW Quality - Laboratory Services	-	1,050	1,700	-	1,050	91,704	91,784	1,005		44%	99%
7104.3	GW Level - Engineering Services	14,300	20,250	10,834	12,812	22,431	178,352	178,352	17,517		17%	91%
7104.8	GW Level - Contract Services	-	-	-	8,000	-	8,038	8,038	1,962		0%	80%
7104.9	GW Level - Capital Services	-	-	-	11,000	-	12,993	12,993	(4,993)		0%	162%
7107.2	Ground Level - Engineering Services	9,676	12,362	12,199	6,528	9,410	91,032	91,032	8,237		16%	92%
7107.3	Ground Level - SAR Imagery	-	56,000	-	-	-	88,752	88,752	-		14%	100%
7107.6	Ground Level - Contract Services	20,050	29,725	25,000	15,000	25,000	126,950	126,950	-		4%	100%
7107.8	Ground Level - Capital Equipment	1,000	800	150	1,000	600	5,991	5,991	7,053		6%	46%
7108.31	IEUA - Prado Basin Habitat Monitoring	33,090	27,618	18,794	5,790	3,268	151,104	75,552	(1,486)		2%	102%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	50,000	25,000	3,000		71%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	4,000	-	7,000	3,400	-	21,410	21,410	3,850		12%	85%
7202.2	Comp Recharge - Engineering Services	4,879	2,348	4,879	4,879	2,248	38,831	38,831	8,777		6%	82%
7206	GRCC & IEUA - SB89 Specification to Ensure Co	14,569	14,569	14,569	14,569	14,569	138,567	-	-	n/a		n/a
7303	OBMP - Engineering Services - Descalters	847	847	847	847	847	6,776	6,776	3,384		0%	67%
7402	OBMP - Engineering Services - MZ1	9,000	7,000	2,533	4,000	5,000	114,219	114,219	(3,183)		73%	103%
7402.1	OBMP - Engineering Services - Northwest MZ1	31,500	26,500	21,000	18,000	3,458	204,260	204,260	1		20%	100%
7502	OBMP - Engineering Services - WQC	12,000	18,000	7,500	-	-	96,546	96,546	(3,826)		55%	104%
7510	IEUA - Update Recycled Water Permit - Salinity	25,025	25,025	25,025	25,025	25,029	233,746	77,136	-		6%	100%
7511	IEUA - As requested services to support Waterma	3,500	3,000	2,000	2,000	2,000	28,770	14,365	3,407		6%	81%
7512	IEUA - Triennial Recomputation of Ambient Water	-	-	-	-	-	-	-	24,584		0%	0%
Totals		\$ 317,594	\$ 372,006	\$ 222,638	\$ 187,756	\$ 163,430	\$ 3,402,906	\$ 2,810,366	\$ 48,429		30%	98%

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

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

The Fiscal Year 2019/20 Progress and Estimated Cost at Completion for the Period July 1, 2019 through September 30, 2019 report from Wildermuth Environmental, Inc. is provided. Please access this link:

<https://cbwm.syncedtool.com/shares/file/4fb416a3c5c150/?modal=1>

August 2019:

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding. The first quarter ECAC report (for the months July 2019 - September 2019) is scheduled to be produced by Wildermuth Environmental, Inc. and distributed to Watermaster during the month of October 2019.

July 2019:

The breakdown of the total Task Order amount of \$2,545,666 for the FY 2019/20 Engineering Services includes direct labor costs for Wildermuth Environmental, Inc. (84.2%) at \$2,144,059 along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (15.8%) at \$401,607.

The approved "Original" Engineering Services budget of \$2,545,666 was increased by "Carry Over" funding in the amount of \$313,129 to the "Amended" amount of \$2,858,795 for FY 2019/20 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 2019/20 timeframe or future years. The Carry-Over amount of \$313,129 from FY 2018/19 to the FY 2019/20 budget are provided in detail as follows:

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

1. 7107.2 Ground-Level - Engineering Services of \$29,332. Wildermuth Environmental, Inc. requested this carryover to support the logistics, data collection, and analysis of the City of Chino Hills long-term pumping and injection tests. This work was delayed based on the City of Chino Hills schedule to conduct the long-term pumping and injection tests in FY 2019/20.
2. 7107.6 Ground-Level - Contract Services of \$9,900. Wildermuth Environmental, Inc. requested this carryover amount for surveying services associated with the long-term pumping test mentioned in item 1 above.
3. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$196,761. Wildermuth Environmental, Inc. requested this carryover budget to support the continued processing and analysis of the spring 2019 ground level surveys. The analysis of the survey data was delayed because the spring 2019 survey data collected by the new surveyor (Guida Surveying, Inc.) needed to be reviewed by the former surveyor (WSP USA) and WEI to ensure consistent data reporting results between the new and former surveyors.
4. 7510 IEUA - Update Recycled Water Permit-Salinity for \$77,136. Wildermuth Environmental, Inc. requested this carryover budget to finalize the 2.5-year project to Updated Recycled Water Permit with IEUA. This work is being cost shared with IEUA and was originally scoped to be finished in FY 2019/20. However, Watermaster assessed their entire share of the budget in FY 2017/18 and FY 2018/19.

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.

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

4. Annual license fees for monitoring wells.
5. Project management and administration activities associated with the Program undertaken by a Party's consultant, including, but not limited to, the following sub-tasks:
 - a. Ad-Hoc Meetings
 - b. Preparation of scope and budget for the Program
 - c. Project administration and financial reporting
6. Other costs required to fulfill the requirements of Peace II Subsequent EIR mitigation measure 4.4-3. Watermaster shall be responsible for the costs associated with the Groundwater Level Monitoring Program, Groundwater Quality Monitoring Program, and Surface Water Monitoring Program.

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

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

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

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster
Jul. 2019 - Apr. 2020	\$ 110,182.95	\$ (55,091.48)	\$ -	\$ 55,091.48
Totals	\$ 110,182.95	\$ (55,091.48)	\$ -	\$ 55,091.48
	7108.31	7108.31	7108.31	
Maximum Costs	\$ 204,132.00	\$ 102,066.00	\$ 102,066.00	\$ 102,066.00

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 April 30, 2020.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2019:

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 2019/20 annual administrative fee invoice was issued on July 9, 2019 in the amount of \$171,905.17 under invoice number 2019-07-CUP. Payment in the amount of \$171,905.17 was received and deposited on August 22, 2019.

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

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

CURRENT MONTH – APRIL 2020

As of April 30, 2020, the total (YTD) amount remaining of the "Carried Over" funding is \$2,061,845.29 (\$2,312,460.70 - \$250,615.41 = \$2,061,845.29).

The following details are provided:

"Carried Over" Expenses At June 30, 2019

			GL Account		
Blomquist Report - Update	\$ 7,500.00	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$ 175,400.00	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$ 181,650.00	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$ 29,332.00	D	7107.2 ²	FY 2018/19	ENG
Ground Level - Contract Services	\$ 9,900.00	E	7107.6 ³	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$ 196,761.00	F	7402.1 ⁴	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$ 77,136.00	G	7510 ⁵	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$ 56,794.57	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$ 1,171.33	I	7690.16 ¹	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$ 7,025.00	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 15,062.88	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 238,646.90	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$ 1,272,406.02	M	7690.9	FY 2017/18	PROJ
Total Balance, June 30, 2019	\$ 2,312,460.70				

"Carried Over" Balance, July 1, 2019	\$ 2,312,460.70				
Less: (Invoices Received To Date FY 2019/20)					
Blomquist Report - Update	\$ -	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$ -	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$ -	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$ (29,332.00)	D	7107.2 ²	FY 2018/19	ENG
Ground Level - Contract Services	\$ (9,900.00)	E	7107.6 ³	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$ (134,247.41)	F	7402.1 ⁴	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$ (77,136.00)	G	7510 ⁵	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$ -	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$ -	I	7690.16 ¹	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$ -	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ -	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ -	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ -	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ -	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$ -	M	7690.9	FY 2017/18	PROJ
Updated Balance as of April 30, 2020	\$ 2,061,845.29				

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 Appropriate Pool as a credit through the Assessment invoicing.

² Engineering work not completed in FY 2018/19 to perform ground level surveys for the long-term pumping test.

³ Outside professionals work not completed in FY 2018/19 to perform ground level surveys for the long-term pumping test.

⁴ Work not completed in FY 2018/19 for installation of the Pomona extensometer and monitoring program for the Northwest MZ-1 area.

⁵ Watermaster's portion of the unused FY 2018/19 budget to finalize the 2.5 year project to Update Recycled Water Permit with IEUA.

Updated Balance as of April 30, 2020

Blomquist Report - Update	\$ 7,500.00	A	6061.6	FY 2017/18	ADMIN
Meter Installation - New Meter Installation	\$ 175,400.00	B	7102.65	FY 2018/19	OBMP
Meter Installation - Calibration and Testing	\$ 181,650.00	C	7102.8	FY 2018/19	OBMP
Ground Level - Engineering Services	\$ -	D	7107.2 ²	FY 2018/19	ENG
Ground Level - Contract Services	\$ -	E	7107.6 ³	FY 2018/19	ENG
PE4 - Northwest MZ-1 Area Project	\$ 62,513.59	F	7402.1 ⁴	FY 2018/19	ENG
IEUA - Update Recycle Water Permit - Salinity	\$ -	G	7510 ⁵	FY 2018/19	ENG
RMPU Amendment (TO #1)	\$ 56,794.57	H	7690.15	FY 2016/17	PROJ
East Declez Basin (TO #1)	\$ 1,171.33	I	7690.16 ¹	FY 2016/17	PROJ
GWR SCADA Upgrades (TO #4)	\$ 7,025.00	J	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	J	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 15,062.88	K	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	K	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 238,646.90	L	7690.8	FY 2016/17	PROJ
Funds on Hold for Projects	\$ 1,272,406.02	M	7690.9	FY 2017/18	PROJ
Updated Balance as of April 30, 2020	\$ 2,061,845.29				

ADMINISTRATION SERVICES:

Unspent funds related to ongoing projects and associated activities from the Administration Services budget from FY 2018/19 totaling \$7,500.00 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Blomquist Report-Update [A] in the amount of \$7,500 in account (6061.6).

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

OBMP ACTIVITIES:

Unspent funds related to ongoing projects and associated activities from the Agricultural area metering installation efforts budget from FY 2018/19 in several accounts totaling \$357,050 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Meter Installation - New Meter Installation [B] in the amount of \$175,400 in account (7102.65); and Meter Installation - Calibration and Testing [C] in the amount of \$181,650 in account (7102.8). The total amount available is \$357,050 (\$175,400 + \$181,650 = \$357,050).

ENGINEERING SERVICES:

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2018/19 in several accounts totaling \$313,129 were "Carried Over" into the current FY 2019/20 budget. These funds were from the Ground Level - Engineering Services [D] in the amount of \$29,332 in account (7107.2); Ground Level - Contract Services [E] in the amount of \$9,900 in account (7107.6); PE4 - Northwest MZ-1 Area Project [F] in the amount of \$196,761 in account (7402.1); and PE6&7 - IEUA Salinity Management Plan [G] in the amount of \$77,136 in account (7510). The total amount available is \$313,129 (\$29,332 + \$9,900 + \$196,761 + \$77,136 = \$313,129).

COMPLETED PROJECTS WITH FUNDING AVAILABLE:

Several projects were completed during FY 2018/19 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: East Declez Basin [I] in the amount of \$1,171.33 (account 7690.16); and GWR SCADA Upgrades (TO#4) [J] in the amount of \$45,700.00 (account 7690.61). The total amount available is \$46,871.33 (\$1,171.33 + \$45,700.00 = \$46,871.33).

ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [H] has a remaining budget from FY 2016/17 of \$56,794.57 in account (7690.15); the Upper Santa Ana River HCP-Task Order #7 [K] has a remaining funded balance of \$20,062.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [L] has a remaining funded budget balance of \$238,646.90 in account (7690.8). The total funded budget for these combined projects is \$315,504.35 (\$56,794.57 + \$20,062.88 + \$238,646.90 = \$315,504.35).

FUNDS ON HOLD FOR PROJECTS:

The "Funds on Hold for Projects" [M] has a remaining budget from FY 2017/18 of \$1,272,406.02 in account (7690.9). These funds can only be allocated from the account if a Budget Transfer document is presented to the Pools, Advisory, and Board for approval and adoption.

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 June 30, 2020, any remaining balances of the FY 2018/19 and prior years funding (if any), along with any new FY 2019/20 expenses, will then be "Carried Over" into the FY 2020/21 budget.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2019:

Once the FY 2018/19 period as of June 30, 2019 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 2019/20 budget. The Total "Carry Over" funding amount of \$2,312,460.70 was posted to the accounts as of July 1, 2019. The total amount of \$2,312,460.70 consisted of \$1,634,781.70 from Capital Improvement Projects, \$357,050.00 from OBMP Activities, \$313,129.00 from Engineering Services, and \$7,500.00 from Administration Services (\$1,634,781.70 + \$357,050.00 + \$313,129.00 + \$7,500.00 = \$2,312,460.70).

AUDIT FIELD WORK
CURRENT MONTH – APRIL 2020

The auditors from the audit firm of Fedak & Brown LLP are scheduled to begin the interim field work on May 26, 2020 through May 27, 2020. Due to the COVID-19 quarantine, the auditors will not be coming to the Watermaster office. Instead, all of the audit schedules, accounts payable selections, accounts receivable selections, bank reconciliations, payroll and timesheet selections, and any other reports and information will be provided to the auditors electronically via Dropbox software. This will be the start of the interim field work for the period of July 1, 2019 through March 31, 2020. The final field work for the period of April 1, 2020 through June 30, 2020 has been tentatively scheduled for September 2020.

The Annual Financial and Audit Reports are tentatively scheduled for presentation to the Watermaster Board by Fedak & Brown LLP at the October 22, 2020 Board meeting. The Annual Financial and Audit Reports for FY 2019/20 are tentatively scheduled for posting to the Watermaster website no later than October 31, 2020.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

November 2019:

FY 2018/19:

The final field work for the period of April 1, 2019 through June 30, 2019 was completed on September 4, 2019. The Annual Financial and Audit Reports were presented 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 were posted to the Watermaster website on October 25, 2019.

August 2019:

FY 2018/19:

The final field work for the period of April 1, 2019 through June 30, 2019 was completed on September 4, 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.

July 2019:

FY 2018/19:

The auditors from the audit firm of Fedak & Brown LLP were at Watermaster on May 28, 2019 for an onsite visit at the Watermaster office. This was the start of the interim field work for the period of July 1, 2018 through March 31, 2019. The final field work for the period of April 1, 2019 through June 30, 2019 has been scheduled for September 3, 2019 and September 4, 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.

FY 2019/20 EXHIBIT "G" NON-AGRICULTURAL POOL SALE OF WATER

CURRENT MONTH – APRIL 2020

Only one Appropriator, Niagara Bottling, LLC, submitted their Intent to Purchase form. On March 26, 2020, an invoice in the amount of \$675,000.00 was issued to Niagara Bottling, LLC for the entire amount of 1,000 acre-feet available for purchase. Payment from Niagara Bottling, LLC to Watermaster is due on or before June 30, 2020. Upon receipt of payment from Niagara Bottling, LLC, and once the payment has cleared the bank, Watermaster will issue payment to California Speedway Corporation in the amount of \$675,000.00.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

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

January 2020:

Pursuant to Exhibit "G" of the Restated Judgment, members of the Overlying (Non-Agricultural) Pool may annually transfer water to members of the Appropriative Pool through a Watermaster clearinghouse process. Watermaster purchases water from the Overlying (Non-Agricultural) Pool members, which Watermaster then transfers to the members of the Appropriative Pool based on the prescribed process. Members of the Appropriative Pool purchasing water through the process must complete their payments to Watermaster by June 30 of the fiscal year.

On December 10, 2019, California Speedway Corporation notified Watermaster of the availability of 1,000 acre-feet of water for purchase. The ONAP amended its Pooling Plan which was subsequently court-approved on March 15, 2019, allowing them to set the transfer rate. At its regular meeting on November 14, 2019, the ONAP set a price of \$675.00 per acre-foot for the current fiscal year's transfers.

Watermaster is required to provide a Notice of Availability of each Appropriator's pro-rata share of such water by January 31st of each year. The Notice of Availability was issued on January 28, 2020 which included the Potential Allocation Table allocating the amount of water available to each Appropriator, should each Appropriator wish to purchase its share of the water. Appropriators had until March 2, 2020 (since March 1, 2020 fell on a Sunday this year) to submit their Intent to Purchase forms to notify Watermaster if they were each interested in purchasing their allocation of the water. The Intent to Purchase forms could be returned to Watermaster via email or by U.S. mail.

Only one Appropriator, Niagara Bottling, LLC, submitted their Intent to Purchase form. On or before March 31, 2020, an invoice in the amount of \$675,000.00 will be issued to Niagara Bottling, LLC for the entire amount of 1,000 acre-feet available for purchase. Payment from Niagara Bottling, LLC to Watermaster will be due on or before June 30, 2020. Upon receipt of payment from Niagara Bottling, LLC, and once the payment has cleared the bank, Watermaster will issue payment to California Speedway Corporation in the amount of \$675,000.00.

ASSESSMENT INVOICING
CURRENT MONTH – APRIL 2020

FY 2019/20 Assessment Package:

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

PREVIOUSLY REPORTED ACTIONS (Descending Order)

December 2019:

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments were due to Watermaster on Monday, December 23, 2019. As past practice, payment could 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 4:00pm on Monday, December 23, 2019.

As of December 23, 2019, all but one payment had been received. The one late payment from Space Center Mira Loma in the amount of \$8,847.29 was received on January 13, 2020. Per the Judgment, a late payment fee of \$51.03 was assessed on January 13, 2020.

November 2019:

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments will be due to Watermaster

on Monday, December 23, 2019. 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 4:00pm on Monday, December 23, 2019.

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 2019:

Revised 2014/15 through 2018/19 Assessment Packages:

From June 6, 2019 through August 28, 2019, multiple workshops were held to present and discuss the Revised 2014/15 through 2018/19 Assessment Packages. These Revised Assessment Packages were presented to the three Pool Committees on September 12, 2019. The three Pool Committees unanimously recommended Advisory Committee to approve the Revised 2014/15 through 2018/19 Assessment Packages. On September 19, 2019, the Revised 2014/15 through 2018/19 Assessment Packages were presented to the Advisory Committee where they were unanimously approved. The Watermaster Board approved the Revised 2014/15 through 2018/19 Assessment Packages on September 26, 2019. Invoices were issued on Friday, September 27, 2019 with payment due 30-days after invoice date. Payments were due to Watermaster on Monday, October 28, 2019. As past practice, payment could 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, October 28, 2019.

All payments were received as of October 28, 2019. The Appropriate Pool members who were owed a refund had the option to either receive a refund check or have the refund amount credited against their upcoming FY 2019/20 Assessment invoicing. The refund checks to those Appropriate Pool members who did not want a credit applied against their upcoming FY 2019/20 Assessment invoicing were issued and mailed on November 11, 2019.

FY 2019/20 Assessment Package:

The FY 2019/20 Assessment Package (Draft) was presented at Workshop #1 on Wednesday, October 30, 2019 at 1:30pm. There were no other Workshops scheduled.

The FY 2019/20 Assessment Package was presented to the Appropriate, Non-Agricultural Pool, and Agricultural Pool on Thursday, November 14, 2019. The FY 2019/20 Assessment Package was presented to the Advisory Committee and Board on Thursday, November 21, 2019.

The FY 2019/20 Assessment Package was approved by the Advisory Committee and adopted by the Board on Thursday, November 21, 2019. The Assessment invoices were issued by Watermaster on Thursday, November 21, 2019 with payment due 30-days after invoice date. Payments will be due to Watermaster on Monday, December 23, 2019. 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 4:00pm on Monday, December 23, 2019.

ATTACHMENTS

1. Financial Report - B5

	1/12th (8.33%) of the Total Budget				10/12th (83.34%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2020				Year-To-Date as of April 30, 2020				Fiscal Year End as of June 30, 2020			
	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%	171,905.17	171,906.00	-0.83	100.0%	171,905.17	171,906.00	-0.83	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	8,030,142.55	8,043,100.00	-12,957.45	99.84%	8,100,142.55	8,113,100.00	-12,957.45	99.84%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	364,535.88	352,197.00	12,338.88	103.5%	364,535.88	352,197.00	12,338.88	103.5%
4700 · Non Operating Revenues	6.35	0.00	6.35	100.0%	151,745.34	56,344.00	95,401.34	269.32%	196,738.99	75,124.00	121,614.99	261.89%
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	6.35	0.00	6.35	100.0%	8,718,328.94	8,623,547.00	94,781.94	101.1%	8,833,322.59	8,712,327.00	120,995.59	101.39%
Gross Profit	6.35	0.00	6.35	100.0%	8,718,328.94	8,623,547.00	94,781.94	101.1%	8,833,322.59	8,712,327.00	120,995.59	101.39%
Expense												
6010 · Admin. Salary/Benefit Costs	90,894.60	97,451.00	-6,556.40	93.27%	907,836.85	965,801.00	-57,964.15	94.02%	1,121,813.70	1,155,864.00	-34,050.30	97.05%
6020 · Office Building Expense	9,187.23	10,267.00	-1,099.77	89.29%	94,552.13	98,095.00	-3,542.87	96.39%	114,960.92	117,379.00	-2,418.08	97.94%
6030 · Office Supplies & Equip.	721.94	2,525.00	-1,803.06	28.59%	20,926.35	64,875.00	-43,948.65	32.26%	60,426.36	69,800.00	-9,373.64	86.57%
6040 · Postage & Printing Costs	1,590.31	4,229.00	-2,638.69	37.61%	26,912.41	40,116.00	-13,203.59	67.09%	43,621.52	47,141.00	-3,519.48	92.53%
6050 · Information Services	9,919.69	14,144.00	-4,224.31	70.13%	118,941.78	141,386.00	-22,444.22	84.13%	166,652.60	169,656.00	-3,003.40	98.23%
6060 · Contract Services	0.00	400.00	-400.00	0.0%	32,923.79	51,000.00	-18,076.21	64.56%	48,474.92	51,800.00	-3,325.08	93.58%
6070 · Watermaster Legal Services	43,411.05	16,089.00	27,322.05	269.82%	294,879.38	232,937.00	61,942.38	126.59%	303,210.48	286,115.00	37,095.48	113.94%
6080 · Insurance	0.00	0.00	0.00	0.0%	40,511.26	42,926.00	-2,414.74	94.38%	43,011.28	43,428.00	-414.74	99.05%
6110 · Dues and Subscriptions	0.00	200.00	-200.00	0.0%	32,580.79	35,292.00	-2,711.21	92.32%	32,838.90	35,792.00	-2,953.10	91.75%
6140 · WM Admin Expenses	0.00	271.00	-271.00	0.0%	2,657.22	3,234.00	-576.78	82.17%	2,928.50	3,950.00	-1,021.50	74.14%
6440 · Field Supplies	0.00	200.00	-200.00	0.0%	1,227.01	2,550.00	-1,322.99	48.12%	2,365.88	2,550.00	-184.12	92.78%
6170 · Travel & Transportation	1,631.38	1,705.00	-73.62	95.68%	16,418.22	60,953.00	-44,534.78	26.94%	22,952.72	65,170.00	-42,217.28	35.22%
6190 · Training, Conferences, Seminars	0.00	3,154.00	-3,154.00	0.0%	14,495.61	31,548.00	-17,052.39	45.95%	34,741.22	37,857.00	-3,115.78	91.77%
6200 · Advisory Comm - WM Board	5,919.54	4,343.00	1,576.54	136.3%	30,910.92	41,098.00	-10,187.08	75.21%	40,726.84	49,680.00	-8,953.16	81.98%
6300 · Watermaster Board Expenses	13,796.75	14,126.00	-329.25	97.67%	109,042.26	156,386.00	-47,343.74	69.73%	159,632.56	184,487.00	-24,834.44	86.54%
8300 · Appr PI-WM & Pool Admin	38,449.08	22,642.67	15,806.41	169.81%	197,479.53	223,479.66	-26,000.13	88.37%	247,684.60	288,609.00	-20,924.40	92.21%
8400 · Agri Pool-WM & Pool Admin	4,235.99	5,643.00	-1,407.01	75.07%	37,042.47	53,559.00	-16,516.53	69.16%	59,346.62	64,713.00	-5,366.38	91.71%
8467 · Ag Legal & Technical Services	59,981.25	25,000.00	34,981.25	239.93%	299,462.50	250,000.00	49,462.50	119.79%	505,673.75	300,000.00	205,673.75	168.56%
8470 · Ag Meeting Attend -Special	3,950.00	1,850.00	2,100.00	213.51%	16,625.00	18,500.00	-1,875.00	89.87%	18,300.00	22,200.00	-3,900.00	82.43%
8471 · Ag Pool Expense	0.00	0.00	0.00	0.0%	21,686.00	89,250.00	-47,564.00	31.32%	26,686.00	85,000.00	-58,314.00	31.4%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	100.00	-100.00	0.0%	0.00	400.00	-400.00	0.0%	200.00	400.00	-200.00	50.0%
8500 · Non-Ag PI-WM & Pool Admin	5,527.90	10,900.00	-5,372.10	50.72%	78,194.67	106,244.00	-28,049.33	73.6%	115,567.10	127,951.00	-12,383.90	90.32%
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	-41,365.12	-39,730.00	-1,635.12	104.12%	-309,332.51	-397,302.00	87,969.49	77.86%	-333,271.54	-476,762.00	143,490.46	69.9%
6900 · Optimum Basin Mgmt Plan	173,819.03	123,448.00	50,371.03	140.8%	1,935,963.37	1,936,109.00	-145.63	99.99%	2,180,042.74	2,182,515.00	-2,472.26	99.89%
9501 · G&A Expenses Allocated-OBMP	20,523.94	10,527.00	9,996.94	194.97%	149,811.44	105,271.00	44,540.44	142.31%	151,746.50	126,325.00	25,421.50	120.12%
7101 · Production Monitoring	7,471.92	8,605.00	-866.92	113.13%	56,911.21	65,160.00	-8,248.79	87.34%	65,222.30	78,073.00	-12,850.70	83.54%
7102 · In-line Meter Installation	0.00	1,804.00	-1,804.00	0.0%	1,441.85	374,886.00	-373,444.15	0.39%	2,500.00	378,428.00	-375,928.00	0.66%
7103 · Grdwtr Quality Monitoring	18,308.41	28,445.00	-10,136.59	64.36%	281,367.97	308,331.00	-26,963.03	91.26%	364,117.50	359,100.00	5,017.50	101.4%
7104 · Gdwtr Level Monitoring	13,757.19	23,787.00	-10,029.81	57.84%	173,794.40	237,189.00	-63,394.60	73.27%	225,952.00	284,537.00	-58,585.00	79.41%
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	80,702.29	38,579.00	42,123.29	209.19%	140,187.42	299,047.00	-158,859.58	46.88%	212,471.14	333,683.00	-121,211.86	63.68%

	1/12th (8.33%) of the Total Budget				10/12th (83.34%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2020				Year-To-Date as of April 30, 2020				Fiscal Year End as of June 30, 2020			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	23,048.62	8,999.00	14,049.62	256.12%	100,572.50	117,877.00	-17,304.50	85.32%	115,624.82	135,837.00	-20,212.18	85.12%
7109 · Recharge & Well Monitoring Prog	5,348.15	4,305.00	1,043.15	124.23%	23,196.80	23,250.00	-53.20	99.77%	21,080.00	25,260.00	-4,180.00	83.45%
7200 · PE2- Comp Recharge Pgm	14,814.86	15,142.00	-327.14	97.84%	1,086,528.08	1,395,369.00	-308,840.92	77.87%	1,399,597.30	1,425,415.00	-25,817.70	98.19%
7300 · PE3&5-Water Supply/Desalte	10,364.78	2,886.00	7,478.78	359.14%	16,818.80	28,667.00	-11,848.20	58.67%	25,399.04	34,374.00	-8,974.96	73.89%
7400 · PE4- Mgmt Plan	12,956.83	6,354.00	6,602.83	203.91%	245,271.64	315,673.00	-70,401.36	77.7%	326,682.70	328,338.00	-1,655.30	99.5%
7500 · PE6&7-CoopEfforts/SaltMgmt	17,933.46	12,194.00	5,739.46	147.07%	147,780.25	198,966.00	-51,185.75	74.27%	187,218.82	223,318.00	-36,099.18	83.84%
7600 · PE8&9-StorageMgmt/Conj Use	0.00	1,959.00	-1,959.00	0.0%	9,740.04	19,336.00	-9,595.96	50.37%	19,480.08	23,168.00	-3,687.92	84.08%
7690 · Recharge Improvement Debt Pymt	0.00	0.00	0.00	0.0%	526,276.00	2,268,221.70	-1,741,945.70	23.2%	2,152,552.00	2,268,221.70	-115,669.70	94.9%
7700 · Inactive Well Protection Prgm	0.00	41.00	-41.00	0.0%	0.00	416.00	-416.00	0.0%	0.00	500.00	-500.00	0.0%
9502 · G&A Expenses Allocated-Projects	20,841.18	29,203.00	-8,361.82	71.37%	159,521.07	292,031.00	-132,509.93	54.63%	181,525.04	350,437.00	-168,911.96	51.8%
Total Expense	667,722.05	509,787.67	157,934.38	130.98%	7,141,156.48	10,277,927.36	-3,136,770.88	69.48%	10,469,756.89	11,250,287.70	-780,530.81	93.06%
Net Ordinary Income	-667,715.70	-509,787.67	-157,928.03	130.98%	1,577,172.46	-1,654,380.36	3,231,552.82	-95.33%	-1,636,434.30	-2,537,960.70	901,526.40	64.48%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	1,086,397.47	0.00	1,086,397.47	100.0%	1,096,397.47	0.00	1,096,397.47	100.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	24,974.17	0.00	24,974.17	100.0%	24,974.17	0.00	24,974.17	100.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	3,015.62	0.00	3,015.62	100.0%	10,000.00	0.00	10,000.00	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%
4800 · Groundwater Sales	0.00	0.00	0.00	0.0%	675,000.00	0.00	675,000.00	100.0%	675,000.00	0.00	675,000.00	100.0%
8805 · 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%	1,799,387.26	0.00	1,799,387.26	100.0%	1,806,371.64	0.00	1,806,371.64	100.0%
Other Expense												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	1,444,941.71	0.00	1,444,941.71	100.0%	1,444,941.71	0.00	1,444,941.71	100.0%
5100 · Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	675,000.00	0.00	675,000.00	100.0%
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%	271,110.41	0.00	271,110.41	100.0%	271,110.41	0.00	271,110.41	100.0%
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%	64,564.00	0.00	64,564.00	100.0%	64,564.00	0.00	64,564.00	100.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	-225,500.00	225,500.00	0.0%	0.00	-225,500.00	225,500.00	0.0%
Total Other Expense	0.00	0.00	0.00	0.0%	1,780,616.12	-225,500.00	2,006,116.12	-789.63%	2,455,616.12	-225,500.00	2,681,116.12	-1,088.97%
Net Other Income	0.00	0.00	0.00	0.0%	18,771.14	225,500.00	-206,728.86	8.32%	-649,244.48	225,500.00	-874,744.48	-287.91%
Net Income	-667,715.70	-509,787.67	-157,928.03	130.98%	1,595,943.60	-1,428,880.36	3,024,823.96	-111.69%	-2,285,678.78	-2,312,460.70	26,781.92	98.84%

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

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
May 2020

Financial Report - B6
For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
General Journal	05/02/2020	05/02/2020	Payroll and Taxes for 04/19/20-05/02/20	Payroll and Taxes for 04/19/20-05/02/20	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 04/19/20-05/02/20	1012 · Bank of America Gen'l Ckg	49,637.11
				Payroll and Taxes for 04/19/20-05/02/20	1012 · Bank of America Gen'l Ckg	17,505.48
			ICMA-RC	457(b) EE Deductions for 04/19/20-05/02/20	1012 · Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 04/19/20-05/02/20	1012 · Bank of America Gen'l Ckg	1,562.57
TOTAL						74,182.08
Bill Pmt -Check	05/02/2020	ACH 051120	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	05/02/2020	05/02/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/19/20-05/02/20	2000 · Accounts Payable	8,180.70
TOTAL						8,180.70
Bill Pmt -Check	05/05/2020	22136	ACCENT COMPUTER SOLUTIONS, INC.	IT Consulting Services	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	135131		Hard drive for server	6055 · Computer Hardware	146.60
Bill	05/01/2020	135018		Monthly service - May 2020	6052.4 · IT Managed Services	4,018.28
				Overwatch - May 2020	6052.5 · IT Data Backup/Storage	699.00
				Omni Cloud - May 2020	6052.5 · IT Data Backup/Storage	153.00
				Office 365 subscriptions / Business Premium - May	6052.4 · IT Managed Services	195.75
				Image Office Storage (per GB, per month)	6052.5 · IT Data Backup/Storage	724.95
TOTAL						5,937.58
Bill Pmt -Check	05/05/2020	22137	BURRTEC WASTE INDUSTRIES, INC.	21136525395	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2020	21136525395		May 2020	6024 · Building Repair & Maintenance	135.72
TOTAL						135.72
Bill Pmt -Check	05/05/2020	22138	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2020			February 2020	8367 · Legal Service	11,249.00
Bill	03/31/2020			March 2020	8367 · Legal Service	22,911.50
TOTAL						34,160.50
Bill Pmt -Check	05/05/2020	22139	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	04/28/2020	0023230253		Office Water Bottle - April 2020	6031.7 · Other Office Supplies	84.13
TOTAL						84.13
Bill Pmt -Check	05/05/2020	22140	VANDEN HEUVEL, GEOFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/12/2020	3/12 Ag Pool Mtg		3/12/20 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				3/12/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool meeting	8411 · Ag Pool Member Compensation	25.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
				4/17/20 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						375.00
Bill Pmt -Check	05/05/2020	22141	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	04/28/2020	00101789		Vision Insurance Premium - May 2020	60182.2 · Dental & Vision Ins	93.83
TOTAL						93.83
Bill Pmt -Check	05/08/2020	22142	APPLIED COMPUTER TECHNOLOGIES	3141	1012 · Bank of America Gen'l Ckg	
Bill	04/29/2020	3141		April 2020	6052.2 · Applied Computer Technol	3,900.00
TOTAL						3,900.00
Bill Pmt -Check	05/08/2020	22143	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
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Bill Pmt -Check	05/08/2020	22144	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/23/2020	4/23 Board Meeting		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2020	4/30 Admin Mtg		4/30/20 Administrative meeting w/GM	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	05/08/2020	22145	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Advis Comm Mtg		4/16/20 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Ag Pool Conf		4/16/20 Ag Pool legal, Chair, Board Chair mtg	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Bd Offcra Mtg		4/16/20 Board Officers, Pool Chairs meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Special Mtg		4/17/20 Special mtg. w/Pool Chair,attorneys	8470 · Ag Meeting Attend -Special	125.00
Bill	04/21/2020	4/21 Budget Mtg		4/21/20 Budget Workshop	8470 · Ag Meeting Attend -Special	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/28/2020	4/28 Ag Pool Legal		4/28/20 Ag Pool legal counsel conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	8470 · Ag Meeting Attend -Special	125.00
TOTAL						1,250.00
Bill Pmt -Check	05/08/2020	22146	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/08/2020	4/08 Ag Pool Call		4/08/20 Test Ag Pool call	6311 · Board Member Compensation	125.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee Meeting	6311 · Board Member Compensation	125.00

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Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						500.00
Bill Pmt -Check	05/08/2020	22147	FONTANA UNION WATER COMPANY'	Board Member Compensation	1012 · Bank of America Gen'I Ckg	
Bill	04/16/2020	4/16 Bd Officers Mtg		4/16/2020 Board Officers meeting - Curatalo	6311 · Board Member Compensation	125.00
Bill	04/21/2020	4/21 Brd Agenda Mtg		4/21/2020 Board agenda meeting - Curatalo	6311 · Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/2020 Board meeting - Curatalo	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	05/08/2020	22148	GEYE, BRIAN	Board Member Compensation	1012 · Bank of America Gen'I Ckg	
Bill	04/09/2020	4/09 Non Ag Pool Mtg		4/09/20 Non-Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	04/21/2020	4/21 Budget Wkshp		4/21/20 Budget Workshop	6311 · Board Member Compensation	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	05/08/2020	22149	IN-SITU, INC.	22055	1012 · Bank of America Gen'I Ckg	
Bill	04/30/2020	22055		22055	7103.6 · Grdwtr Qual-Supplies	164.98
TOTAL						164.98
Bill Pmt -Check	05/08/2020	22150	NELSON, ANNA	Employee Expense Reimbursement	1012 · Bank of America Gen'I Ckg	
Bill	05/06/2020			Charging cable (AN)	6031.7 · Other Office Supplies	52.77
				Display port cable (AN)	6031.7 · Other Office Supplies	43.09
				Chair mat (AN)	6031.7 · Other Office Supplies	42.01
				Disposable masks Covid-19 (WM)	6031.7 · Other Office Supplies	1,190.45
TOTAL						1,328.32
Bill Pmt -Check	05/08/2020	22151	PIERSON, JEFFREY	Ag Pool and Board Member Compensation	1012 · Bank of America Gen'I Ckg	
Bill	04/07/2020	4/07 Ag Pool Legal		4/07/20 Ag Pool legal, Pool Chair conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/08/2020	4/09 Admin Mtg		4/08/20 Administrative meeting with GM	6311 · Board Member Compensation	125.00
Bill	04/09/2020	4/09 Ag Pool Conf		4/09/20 Ag Pool confidential session	8470 · Ag Meeting Attend -Special	125.00
Bill	04/09/2020	4/09 Ag Pool Legal		4/09/20 Ag Pool attorney, Chair, Vice Chair call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/10/2020	4/10 Ag Pool Legal		4/10/20 Ag Pool legal counsel conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/15/2020	4/15 Ag Pool Legal		4/15/20 Ag Pool legal counsel conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Ag Pool Legal		4/16/20 Ag Pool legal counsel conf. call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/16/2020	4/16 Brd Offcrrs Mtg		4/16/20 Board Officers Pool Chairs meeting	6311 · Board Member Compensation	125.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 AP, NAP, OAP		4/17/20 Approp., Non-Ag, and Ag Workshop	8470 · Ag Meeting Attend -Special	125.00
Bill	04/17/2020	4/17 Ag Pool Lega		4/17/20 Pool legal counsel conf. call	8470 · Ag Meeting Attend -Special	125.00

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Bill	04/21/2020	4/21 Admin Mtg		4/21/20 Admin. meeting w/GM, Board Officers	6311 · Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/28/2020	4/28 Ag Pool Legal		4/28/20 Pool legal counsel conference call	8470 · Ag Meeting Attend -Special	125.00
Bill	04/29/2020	4/29 SY Workshop		4/29/20 Safe Yield Workshop	6311 · Board Member Compensation	125.00
TOTAL						2,125.00
Bill Pmt -Check	05/08/2020	22152	PREMIERE GLOBAL SERVICES	29354649	1012 · Bank of America Gen'l Ckg	
Bill	04/29/2020	29354649		Appropriative Pool meeting prep call on 4/01	8312 · Meeting Expenses	6.58
				Appropriative Pool meeting prep call on 4/01	8312 · Meeting Expenses	8.67
				Pool meetings check call on 4/08	8312 · Meeting Expenses	5.56
				Pool meetings check call on 4/08	8412 · Meeting Expenses	5.56
				Pool meetings check call on 4/08	8512 · Meeting Expense	5.56
				Fee - General	6022 · Telephone	39.00
				Fee - Confidential	6022 · Telephone	39.00
				Ag Pool contest call on 3/30	8412 · Meeting Expenses	7.01
				Ag Pool contest call on 3/30	8412 · Meeting Expenses	6.58
				Ag Pool contest call on 3/30	8412 · Meeting Expenses	26.70
				OBMP IP & PAA Drafting Session call on 4/06	6909.1 · OBMP Meetings	35.40
				Safe Yield presentation prep call on 4/08	6909.1 · OBMP Meetings	14.40
				WM coordination call on 4/10	6909.1 · OBMP Meetings	13.27
				WM coordination call on 4/13	6909.1 · OBMP Meetings	40.48
				WM coordination call on 4/20	6909.1 · OBMP Meetings	37.00
				Board agenda preview call on 4/21	6312 · Meeting Expenses	6.56
				Board agenda preview call on 4/21	6312 · Meeting Expenses	6.58
				Safe Yield coordination call on 4/23	6909.1 · OBMP Meetings	6.58
				Safe Yield coordination call on 4/23	6909.1 · OBMP Meetings	11.97
				Call shortfalls	6022 · Telephone	78.00
				Service Fee	6022 · Telephone	37.30
TOTAL						437.76
Bill Pmt -Check	05/08/2020	22153	R&D PEST SERVICES	0257038	1012 · Bank of America Gen'l Ckg	
Bill	05/05/2020	0257038		Treat office and annex for pest control	6024 · Building Repair & Maintenance	100.00
TOTAL						100.00
Bill Pmt -Check	05/08/2020	22154	ROGERS, PETER	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	05/08/2020	22155	RR FRANCHISING, INC.	85989	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2020	85989		May 2020	6024 · Building Repair & Maintenance	740.00

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TOTAL							740.00
	Bill Pmt -Check	05/08/2020	22156	SPECTRUM BUSINESS	2031978042320	1012 · Bank of America Gen'l Ckg	
	Bill	04/30/2020	2031978042320		4/23/20-5/22/20	6053 · Internet Expense	800.86
TOTAL							800.86
	Bill Pmt -Check	05/08/2020	22157	STATE COMPENSATION INSURANCE FUND	1970970-19	1012 · Bank of America Gen'l Ckg	
	Bill	05/01/2020	1970970-19		Premium 4/26/20-5/26/20	60183 · Worker's Comp Insurance	532.75
TOTAL							532.75
	Bill Pmt -Check	05/08/2020	22158	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
	Bill	04/29/2020	7076224530355049		April 2020	6175 · Vehicle Fuel	91.38
TOTAL							91.38
	Bill Pmt -Check	05/08/2020	22159	ACWA JOINT POWERS INSURANCE AUTHORITY		1012 · Bank of America Gen'l Ckg	
	Bill	04/07/2020	0644779		Prepayment - May 2020	1409 · Prepaid Life, BAD&D & LTD	249.27
					April 2020	60191 · Life & Disab.Ins Benefits	249.26
	Bill	05/07/2020	0646494		Prepayment - June 2020	1409 · Prepaid Life, BAD&D & LTD	249.27
					May 2020	60191 · Life & Disab.Ins Benefits	249.26
TOTAL							997.06
	Bill Pmt -Check	05/08/2020	22160	BOWCOCK, ROBERT	Board Member Compensationj	1012 · Bank of America Gen'l Ckg	
	Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
	Bill	04/28/2020	4/28 Budget Wkshp		4/28/20 Budget Workshop	6311 · Board Member Compensation	125.00
TOTAL							250.00
	Bill Pmt -Check	05/08/2020	22161	HUITSING, JOHN	Ag Pool member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
					4/09/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
	Bill	04/17/2020	4/17 Special Ag Pool		4/17/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
					4/17/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL							250.00
	General Journal	05/15/2020	20/05/08	ADP, LLC	ADP Tax Service for 04/18/20-556889998	1012 · Bank of America Gen'l Ckg	
					ADP Tax Service for 04/18/20-556889998	1012 · Bank of America Gen'l Ckg	155.50
					ADP Tax Service for 05/02/20-556889998	1012 · Bank of America Gen'l Ckg	179.70
TOTAL							335.20
	General Journal	05/16/2020	20/05/10	Payroll and Taxes for 05/03/20-05/16/20	Payroll and Taxes for 05/03/20-05/16/20	1012 · Bank of America Gen'l Ckg	
					Direct Deposits for 05/03/20-05/16/20	1012 · Bank of America Gen'l Ckg	30,618.52

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Payroll and Taxes for 05/03/20-05/16/20	1012 · Bank of America Gen'l Ckg	10,099.05
			ICMA-RC	457(b) EE Deductions for 05/03/20-05/16/20	1012 · Bank of America Gen'l Ckg	5,476.92
			ICMA-RC	401(a) EE Deductions for 05/03/20-05/16/20	1012 · Bank of America Gen'l Ckg	1,562.57
TOTAL						47,757.06
Bill Pmt -Check	05/19/2020	22162	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	2020132		2020132	6906.31 · OBMP-Pool, Adv. Board Mtgs	10,576.80
Bill	04/30/2020	2020133		2020133	6906.32 · OBMP-Other General Meetings	5,706.90
Bill	04/30/2020	2020134		2020134	6906.71 · OBMP-Data Req.-CBWM Staff	1,580.95
Bill	04/30/2020	2020135		2020135	6906.72 · OBMP-Data Req.-Non CBWM Staff	5,204.15
Bill	04/30/2020	2020136		2020136	6906 · OBMP Engineering Services	7,720.35
Bill	04/30/2020	2020137		2020137	6906.26 · 2020 OBMP Update	438.40
Bill	04/30/2020	2020138		2020138	6906.73 · OBMP-2020 Safe Yield Recalc	57,005.09
Bill	04/30/2020	2020139		2020139	6906.81 · Prepare Annual Reports	161.10
Bill	04/30/2020	2020140		2020140	6906.16 · CBEWP-100% IEUA Cost	16,175.47
Bill	04/30/2020	2020141		2020141	7103.3 · Grdwtr Qual-Engineering	13,964.21
Bill	04/30/2020	2020142		2020142	7104.3 · Grdwtr Level-Engineering	6,450.24
Bill	04/30/2020	2020143		2020143	7107.2 · Grd Level-Engineering	3,209.67
				Dragon Computer Services	7107.6 · Grd Level-Contract Svcs	624.80
				Guida Surveying Inc.	7107.6 · Grd Level-Contract Svcs	76,813.07
Bill	04/30/2020	2020144		2020144	7107.2 · Grd Level-Engineering	54.75
Bill	04/30/2020	2020145		2020145	7108.31 · Hydraulic Control - PBHSP	46,097.25
Bill	04/30/2020	2020146		2020146	7109.3 · Recharge & Well - Engineering	5,348.15
Bill	04/30/2020	2020147		2020147	7202.2 · Engineering Svc	450.80
Bill	04/30/2020	2020148		2020148	7206.1 · SB88 Specs-Ensure Compliance	7,199.95
Bill	04/30/2020	2020149		2020149	7303 · PE3&5-Engineering	840.90
Bill	04/30/2020	2020150		2020150	7402 · PE4-Engineering	3,060.75
Bill	04/30/2020	2020151		2020151	7402.10 · PE4 - Northwest MZ1 Area Proj.	9,895.88
Bill	04/30/2020	2020152		2020152	7502 · PE6&7-Engineering	7,756.20
Bill	04/30/2020	2020153		2020153	7510 · PE6&7-IEUA Salinity Mgmt. Plan	18,885.39
Bill	04/30/2020	2020154		2020154	7511 · PE6&7-SAWBMPTask Force-50% IEU,	838.20
TOTAL						306,059.42
Bill Pmt -Check	05/19/2020	22163	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	05/30/2020	XXXX-XXXX-XXXX-9341		Cloth face masks for office - Covid-19	6031.7 · Other Office Supplies	37.39
				SanDisk portable 1TB drive	6055 · Computer Hardware	149.53
				Toner for office printer	6031.7 · Other Office Supplies	38.78
				Toner for office printer, paper	6031.7 · Other Office Supplies	149.35
				Miscellaneous office supplies	6031.7 · Other Office Supplies	24.56
				Replace end-of-life OnSite Defibrillator	6031.7 · Other Office Supplies	751.32

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Uniforms/jackets for field staff	6154 · Uniforms	498.99
				Face masks for office - Covid-19	6031.7 · Other Office Supplies	19.16
TOTAL						<u>1,669.08</u>
Bill Pmt -Check	05/19/2020	22164	CLEAN TECH SERVICES	8327	1012 · Bank of America Gen'l Ckg	
Bill	05/12/2020	8327		Window cleaning, hard water spot removal	6024 · Building Repair & Maintenance	391.50
TOTAL						<u>391.50</u>
Bill Pmt -Check	05/19/2020	22165	CORELOGIC INFORMATION SOLUTIONS	82018557	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	82018557		82018557	7103.7 · Grdwtr Qual-Computer Svc	62.50
				82018557	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/19/2020	22166	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2020	4/09 Ag Pool Mtg		4/09/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/09/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/17/2020	4/17 Special Ag Mtg		4/17/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				4/17/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	05/19/2020	22167	EMPOWER LAB	1437	1012 · Bank of America Gen'l Ckg	
Bill	05/13/2020	1437		Empower Lab-January/June 2020	6193 · Employee Training	6,450.00
TOTAL						<u>6,450.00</u>
Bill Pmt -Check	05/19/2020	22168	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/09/2020	4/09 Appro Pool Mtg		4/09/20 Appropriative Pool meeting	6311 · Board Member Compensation	125.00
Bill	04/16/2020	4/16 Advisory Comm		4/16/20 Advisory Committee meeting	6311 · Board Member Compensation	125.00
Bill	04/21/2020	4/21 Board Agenda		4/21/20 Board Agenda call	6311 · Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/28/2020	4/28 Admin Mtg		4/28/20 Admin. Mtg. w/PK, Exec. Committee	6311 · Board Member Compensation	125.00
TOTAL						<u>625.00</u>
Bill Pmt -Check	05/19/2020	22169	LEGAL SHIELD	111802	1012 · Bank of America Gen'l Ckg	
Bill	05/14/2020	111802		Employee deductions - May 2020	60194 · Other Employee Insurance	177.35
TOTAL						<u>177.35</u>
Bill Pmt -Check	05/19/2020	22170	LUHDORFF & SCALMANINI	35967	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	35967		Chino Basin SY Analysis - through 4/26/20	6906.73 · OBMP-2020 Safe Yield Recalc	5,242.50
TOTAL						<u>5,242.50</u>

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Bill Pmt -Check	05/19/2020	22171	TELLEZ-FOSTER, EDGAR	Employee Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/12/2020			Reimburse-ipad tripod	6031.7 · Other Office Supplies	32.61
				Reimburse-keyboard	6031.7 · Other Office Supplies	32.61
TOTAL						65.22
Bill Pmt -Check	05/19/2020	22172	VERIZON WIRELESS	9853919218	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	9853919218		Acct #470810953-00001	6022 · Telephone	388.75
TOTAL						388.75
Bill Pmt -Check	05/19/2020	22173	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/21/2020	4/21 Budget Wkshp		4/21/20 Budget Workshop - Galleano	6311 · Board Member Compensation	125.00
Bill	04/23/2020	4/23 Board Mtg		4/23/20 Board meeting - Galleano	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	05/21/2020	22174	CUCAMONGA VALLEY WATER DISTRICT	Lease For Office Space	1012 · Bank of America Gen'l Ckg	
Bill	05/19/2020			Lease due on June 1, 2020	1422 · Prepaid Rent	7,093.14
TOTAL						7,093.14
P116 Bill Pmt -Check	05/21/2020	22175	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	05/20/2020	9094843890050914-5		Office fax	6022 · Telephone	154.02
TOTAL						154.02
Bill Pmt -Check	05/21/2020	22176	GREAT AMERICA LEASING CORP.	27058395	1012 · Bank of America Gen'l Ckg	
Bill	05/20/2020	27058395		Invoice for April 2020 - standard payment	6043.1 · Ricoh Lease Fee	1,581.74
				Supply freight fee	6043.2 · Ricoh Usage & Maintenance Fee	8.57
TOTAL						1,590.31
Bill Pmt -Check	05/21/2020	22177	JOHN J. SCHATZ	Appropriative Pool Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020			April 2020	8367 · Legal Service	31,900.00
TOTAL						31,900.00
Bill Pmt -Check	05/21/2020	22178	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2020			Retiree Medical	60182.4 · Retiree Medical	30.72
TOTAL						30.72
Bill Pmt -Check	05/22/2020	ACH 052120	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	05/16/2020	05/16/2020	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/03/20-05/16/20	2000 · Accounts Payable	8,180.70
TOTAL						8,180.70
Bill Pmt -Check	05/27/2020	ACH 052720	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
May 2020

Financial Report - B6
For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	05/01/2020	05/27/2020		Unfunded Accrued Liability-Plan 3299	60180 · Employers PERS Expense	6,655.12
TOTAL						6,655.12
Bill Pmt -Check	05/29/2020	22179	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	801574		801574	6078 · BHFS Legal - Miscellaneous	36,296.55
Bill	04/30/2020	801575		GM Evaluation	6073 · BHFS Legal - Personnel Matters	538.65
				COVID-19 WC Questions	6073 · BHFS Legal - Personnel Matters	1,105.65
Bill	04/30/2020	801576		801576	6907.34 · Santa Ana River Water Rights	1,542.60
Bill	04/30/2020	801577		801577	6275 · BHFS Legal - Advisory Committee	1,069.20
Bill	04/30/2020	801578		801578	6375 · BHFS Legal - Board Meeting	4,155.30
Bill	04/30/2020	801579		801579	8375 · BHFS Legal - Appropriative Pool	1,425.60
Bill	04/30/2020	801580		801580	8475 · BHFS Legal - Agricultural Pool	1,247.40
Bill	04/30/2020	801581		801581	8575 · BHFS Legal - Non-Ag Pool	1,247.40
Bill	04/30/2020	801582		801582	6071 · BHFS Legal - Court Coordination	1,538.10
Bill	04/30/2020	801583		801583	6077 · BHFS Legal - Party Status Maint	3,803.40
Bill	04/30/2020	801584		801584	6907.38 · Reg. Water Quality Cntrl Board	89.10
Bill	04/30/2020	801585		801585	6907.39 · Recharge Master Plan	356.40
Bill	04/30/2020	801586		801586	6907.41 · Prado Basin Habitat Sustain	980.10
Bill	04/30/2020	801587		801587	6907.45 · OBMP Update	13,169.70
Bill	04/30/2020	801588		801588	6907.47 · 2020 Safe Yield Reset	45,362.70
Bill	04/30/2020	801589		801589	6078.25 · Ely 3 Basin Investigation	128.70
TOTAL						114,056.55
Bill Pmt -Check	05/29/2020	22180	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	05/26/2020	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	903.53
TOTAL						903.53
Bill Pmt -Check	05/29/2020	22181	UNITED HEALTHCARE	052534978654	1012 · Bank of America Gen'l Ckg	
Bill	05/26/2020	052534978654		Dental Insurance Premium - June 2020	60182.2 · Dental & Vision Ins	805.17
TOTAL						805.17
Bill Pmt -Check	05/29/2020	22182	VANDEN HEUVEL, GEOFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2020	4/30 SY Workshop		4/30/20 Safe Yield Workshop	8411 · Ag Pool Member Compensation	25.00
				4/30/20 Safe Yield Workshop	8470 · Ag Meeting Attend -Special	100.00
Bill	05/08/2020	5/08 Special Ag Mtg		5/08/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				5/08/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	05/14/2020	5/14 Ag Pool Mtg		5/14/20 Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				5/14/20 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	05/22/2020	5/22 Special Ag Mtg		5/22/20 Special Ag Pool Meeting	8411 · Ag Pool Member Compensation	25.00
				5/22/20 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00

P117

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
May 2020

Financial Report - B6
For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						500.00
Bill Pmt -Check	05/29/2020	22183	VERIZON WIRELESS	9854518111	1012 - Bank of America Gen'l Ckg	
Bill	05/26/2020	9854518111		Acct #642073270-00001	7103.7 - Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
Bill Pmt -Check	05/29/2020	22184	ACCENT COMPUTER SOLUTIONS, INC.	135655	1012 - Bank of America Gen'l Ckg	
Bill	06/01/2020	135655		Monthly service - June 2020	6052.4 - IT Managed Services	3,584.48
				Overwatch - June 2020	6052.5 - IT Data Backup/Storage	616.02
				Omni Cloud - June 2020	6052.5 - IT Data Backup/Storage	134.84
				Office 365 subscriptions / Business Premium - Jun	6052.4 - IT Managed Services	172.51
				Image Office Storage (per GB, per month)	6052.5 - IT Data Backup/Storage	659.67
TOTAL						5,167.52
Bill Pmt -Check	05/29/2020	22185	READY REFRESH BY NESTLE	0023230253	1012 - Bank of America Gen'l Ckg	
Bill	05/28/2020	0023230253		Office Water Bottle - May 2020	6031.7 - Other Office Supplies	22.37
TOTAL						22.37
Bill Pmt -Check	05/29/2020	22186	TOM DODSON & ASSOCIATES	CB271 20-5	1012 - Bank of America Gen'l Ckg	
Bill	05/28/2020	CB271 20-5		May 2020 - OBMP Update PEIR	6908.1 - 2020 OBMP Update-Dodson & Assoc	21,540.37
TOTAL						21,540.37
Bill Pmt -Check	05/29/2020	22187	VISION SERVICE PLAN	00-101789-0001	1012 - Bank of America Gen'l Ckg	
Bill	05/28/2020	00101789		Vision Insurance Premium - June 2020	60182.2 - Dental & Vision Ins	93.83
TOTAL						93.83
					Total Disbursements:	706,572.12

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP & OAP)

C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT

I. BUSINESS ITEMS – ROUTINE

C. APPLICATION: CONSIDERATION OF LOCAL STORAGE AGREEMENT



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: June 11, 2020
TO: AP/ONAP/OAP Members
SUBJECT: Consideration of Local Storage Agreements – Overlying (Non-Agricultural) Pool
(Consent Calendar Item I.C.)

SUMMARY

Issue: Consideration of Local Storage Agreements – Storage of Excess Carryover Water by members of the Non-Agricultural Pool in amounts to be determined as of the close of Fiscal Year 2019/20 (June 30, 2020).

Recommendation: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements.

Financial Impact: None

Future Consideration

Appropriative Pool – June 11, 2020: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Non-Agricultural Pool – June 11, 2020: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Agricultural Pool – June 11, 2020: Recommend to the Advisory Committee to recommend the Watermaster Board to approve the storage agreements as presented.

Advisory Committee – July 16, 2020: Recommend to the Watermaster Board to approve the storage agreements as presented.

Watermaster Board – July 23, 2020: Approve the storage agreements as presented.

ACTIONS:

Appropriative Pool – June 11, 2020:

Non-Agricultural Pool – June 11, 2020:

Agricultural Pool – June 11, 2020:

Advisory Committee – July 16, 2020:

Watermaster Board – July 23, 2020:

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

BACKGROUND

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

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

The following applications for a Local Storage Agreement based on quantities following the close of Fiscal Year 2019/20 and was noticed on June 5, 2020:

- Consideration of Local Storage Agreements –Storage of Excess Carryover Water by the Non-Agricultural Pool in amounts to be determined, and as of the close of Fiscal Year 2019/20.

DISCUSSION

On May 15, 2020, and following action taken at its May 15, 2020 meeting, the Non-Agricultural Pool submitted a "universal" application (Form 1) for Overlying (Non-Agricultural) Pool Excess Carryover "for each member, a quantity equal to the surplus carryover of such member as of midnight on the evening of June 30, 2020" (Attachment 1).

The 500,000 acre-feet Safe Storage Capacity threshold analyzed in the OBMP Implementation Plan PEIR has been re-examined and revised to 600,000 acre-feet, through June 30, 2021. The total water in stored water accounts is 503,410.9 acre-feet.

Paragraph 5.2(b)(iv) of the Peace Agreements states "Watermaster shall approve the Local Storage agreement so long as: (1) the total quantity of Supplemental Water authorized to be held in Local Storage under all then existing Local Storage agreements for all parties to the Judgment does not exceed the cumulative total of 50,000 acre-feet... Watermaster may approve a proposed agreement with conditions that mitigate any threatened or potential Material Physical Injury." The Second Amendment to Peace Agreement Section 2 increases the cumulative total from 50,000 acre-feet to 100,000 acre-feet. The water held in local supplemental storage accounts is 114,300.6 acre-feet.

Pursuant to the Peace Agreement, standard losses will be applied to all water placed into Local Supplemental Storage Accounts in a manner consistent with all other water held in storage.

The application for local storage agreement considered today will be brought to the Advisory Committee and the Board for consideration in July 2020.

ATTACHMENTS

1. Form 1 – Application for Local Storage Agreement including Attachment
2. Notice Forms

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

~~ADDITIONAL INFORMATION ATTACHED~~ Yes [X] No []

Applicant,
Chair, Non-Agricultural Pool Committee, as authorized by affirmative action of the Committee at its regular meeting on May 15, 2020

TO BE COMPLETED BY WATERMASTER:

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____ Agreement # _____

ATTACHMENT

This is an application for storage agreements authorized by the Non-Agricultural Pool Committee on behalf of the members of the Non-Agricultural Pool for surplus carryover of such members as of June 30, 2020.

In Section 8 of the Judgment, the Court determined that the members of the Non-Agricultural Pool were owners of an overlying water right. [Judgment, Section 8.] The allocation of Safe Yield to members of the Non-Agricultural Pool is not subject to adjustment for changes in Safe Yield. [Judgment, Section 44.]

If a member of the Non-Agricultural Pool produces less than its assigned share of Operating Safe Yield in any year, such unproduced water is considered "carryover," and may be produced by such member in a subsequent year. [Judgment, Exhibit G, Section 7.] The first water produced by such member during any such subsequent year is deemed to be produced from any such carryover. [Judgment, Exhibit G, Section 7.] If the quantity of carryover of any member of the Non-Agricultural Pool in a year exceeds its production in such year, then such unproduced water is considered "surplus carryover." [Judgment, Exhibit G, Section 7.] Section 7 of Exhibit G provides that members of the Non-Agricultural Pool shall execute storage agreements with Watermaster "as a condition of preserving such surplus carryover."

The applicant understands that, at least in some instances, and for reasons unknown to the applicant, the term "surplus carryover" is referred to as "excess carryover." For that reason, the applicant has checked the box marked "excess carryover" on this form.

The applicant understands that Watermaster reports the quantity of carryover and excess carryover of each member of the Non-Agricultural Pool in the annual assessment packages. The most recent annual assessment package is available on Watermaster's website. http://www.cbwm.org/rep_finance.htm. Based on Section 7 of Exhibit G to the Judgment, as described in the preceding paragraph, the quantity added to the surplus carryover of each member of the Non-Agricultural Pool for the year ended June 30, 2020 is equal to or less than the carryover of such member for the year ended June 30, 2019.

Carryover becomes surplus carryover on June 30 of each year. In order to "preserve such surplus carryover," the Non-Agricultural Pool Committee desires that members of the Non-Agricultural Pool have storage agreements in place on or prior to June 30 of each year, or, where doing so prior to June 30 is not feasible, as soon as practicable thereafter.

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

LOCAL STORAGE AGREEMENT

Date of Notice:

June 5, 2020

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on July 23, 2020.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **May 15, 2020**

Date of this notice: **June 5, 2020**

Please take notice that the following Application(s) have been received by Watermaster:

- Notice of Application for a Local Storage Agreement – Storage of Excess Carryover Water by members of the Overlying (Non-Agricultural) Pool.

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

Appropriative Pool	June 11, 2020
Non-Agricultural Pool	June 11, 2020
Agricultural Pool	June 11, 2020

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

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

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

Watermaster address:

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

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

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (AP & OAP)
D. WATER TRANSACTION

I. BUSINESS ITEMS – ROUTINE
D. WATER TRANSACTION



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: June 11, 2020

TO: AP/ONAP/OAP Members

SUBJECT: Application: Water Transaction – Nicholson Trust to Fontana Water Company
(Consent Calendar Item I.D.)

SUMMARY:

Issue: The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust's Annual Production Right.

Recommendation: Provide advice and assistance to the Watermaster Board on the proposed transaction.

Financial Impact: None

Future Consideration

Appropriative Pool – June 11, 2020: Advice and assistance.

Non-Agricultural Pool – June 11, 2020: Advice and assistance.

Agricultural Pool – June 11, 2020: Advice and assistance.

Advisory Committee – July 16, 2020: Advice and assistance.

Watermaster Board – July 23, 2020: Approval (within WM Duties and Powers).

ACTIONS:

Appropriative Pool – June 11, 2020:

Non-Agricultural Pool – June 11, 2020:

Agricultural Pool – June 11, 2020:

Advisory Committee – July 16, 2020:

Watermaster Board – July 23, 2020:

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

BACKGROUND

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

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

The date of this application is May 4, 2020. Notice of the transaction was transmitted electronically on June 5, 2020 along with the materials submitted by the requestors.

DISCUSSION

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

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

ATTACHMENTS

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

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

FISCAL YEAR 2019 - 2020

DATE REQUESTED: May 4, 2020

AMOUNT REQUESTED: 4.00 Acre-Feet

TRANSFER FROM (SELLER / TRANSFEROR): The Nicholson Trust			TRANSFER TO (BUYER / TRANSFEREE): Fontana Water Company		
Name of Party Post Office Box			Name of Party 15966 Arrow Route		
Street Address El Monte CA. 91734			Street Address Fontana CA. 92335		
City	State	Zip Code	City	State	Zip Code
(626) 448-6183			(909) 822-2201		
Telephone (626) 448-5530			Telephone (909) 823-5046		
Facsimile			Facsimile		

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

PURPOSE OF TRANSFER:

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

WATER IS TO BE TRANSFERRED FROM:

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

WATER IS TO BE TRANSFERRED TO:

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

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

IF WATER IS TO BE TRANSFERRED FROM STORAGE:	
<u>Varies</u>	<u>2019-2020</u>
Projected Rate of Recapture	Projected Duration of Recapture
METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):	
<u>Pumping</u>	
PLACE OF USE OF WATER TO BE RECAPTURED:	
<u>Chino Basin Management Zone 3</u>	
LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):	
<u>N/A</u>	

WATER QUALITY AND WATER LEVELS

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

If yes, please explain:

Recent perchlorate levels range from ND to 8.2 ppb and nitrate levels range from 0.47 to 10.0 ppm.

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

Static water levels range from 322 bgs to 683 bgs as of November 2019.

MATERIAL PHYSICAL INJURY

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

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

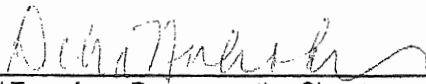
If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

SAID TRANSFER SHALL BE CONDITIONED UPON:

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

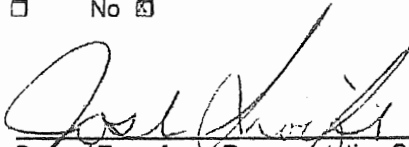
ADDITIONAL INFORMATION ATTACHED

Yes No



Seller / Transferor Representative Signature
Debra Nicholson, Trustee

Seller / Transferor Representative Name (Printed)



Buyer / Transferee Representative Signature
Josh Swift, General Manager

Buyer / Transferee Representative Name (Printed)

TO BE COMPLETED BY WATERMASTER STAFF:

DATE OF WATERMASTER NOTICE: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

June 5, 2020

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

TRANSFER OF WATER

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

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **May 4, 2020**

Date of this notice: **June 5, 2020**

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

- Notice of Sale or Transfer – The transfer of 4.0 acre-feet of water from Nicholson Trust to Fontana Water Company. This transfer is made from Nicholson Trust's Annual Production Right.

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

Appropriative Pool: June 11, 2020

Non-Agricultural Pool: June 11, 2020

Agricultural Pool: June 11, 2020

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

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

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

Watermaster address:

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

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

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

A. PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE ANNUAL REPORT



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: June 11, 2020

TO: AP/ONAP/OAP Members

SUBJECT: 2019 Annual Report of the Prado Basin Habitat Sustainability Committee
(Business Item II.A.)

SUMMARY

Issue: Pursuant to the monitoring and mitigation requirements of the Peace II Subsequent Environmental Impact Report, the Prado Basin Habitat Sustainability Committee must prepare an Annual Report. The Committee presents its 4th Annual Report for Water Year 2019.

Recommendation: Recommend Advisory Committee to recommend the Watermaster Board to receive and file.

Financial Impact: No impact.

Future Consideration

Appropriative Pool: June 11, 2020: Advice and assistance

Non-Agricultural Pool: June 11, 2020: Advice and assistance

Agricultural Pool: June 11, 2020: Advice and assistance

Advisory Committee: June 18, 2020: Recommend Board to receive and file

Watermaster Board: June 25, 2020: Receive and file [Within WM Duties and Powers]

ACTIONS:

Appropriative Pool: June 11, 2020:

Non-Agricultural Pool: June 11, 2020:

Agricultural Pool: June 11, 2020:

Advisory Committee: June 18, 2020:

Watermaster Board: June 25, 2020:

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and to develop and implement an Optimum Basin Management Program*

BACKGROUND

The Prado Flood Control Basin (Prado Basin) is located in the southernmost, downgradient portion of the Chino Groundwater Basin (Chino Basin). Surface-water flow within the middle Santa Ana River (SAR) and its tributaries discharge into and through the Prado Basin behind Prado Dam, the main flood-control facility on the middle SAR. The US Army Corps of Engineers, in coordination with the Orange County Water District (OCWD), regulates releases from Prado Dam for the purposes of flood control and groundwater recharge in Orange County. The major components of discharge within the SAR and its tributaries are: runoff from precipitation, discharge of tertiary-treated effluent from wastewater treatment plants, rising groundwater, discharge of untreated imported water for groundwater recharge, and other dry-weather runoff. The SAR and its tributaries are unlined across the Prado Basin, which allows for groundwater/surface-water interaction. Groundwater in Chino Basin generally flows from the forebay regions in the north towards Prado Basin in the south. Depth to groundwater is relatively shallow in the Prado Basin area, where groundwater losses can occur via evapotranspiration by riparian vegetation and rising-groundwater outflow to the SAR and its tributaries.

The surface-water impoundments behind Prado Dam and the shallow groundwater have created within Prado Basin the largest riparian forest in Southern California. The riparian forest provides critical habitat for various threatened and endangered species including the Least Bell's Vireo, Southwestern Willow Flycatcher, and the Santa Ana Sucker.

To further implement the goals and objectives of the Chino Basin Optimum Basin Management Program (OBMP), the Chino Basin Watermaster executed the Peace II Agreement in 2007. The primary features of the Peace II Agreement are to provide for Basin Re-operation and the attainment of Hydraulic Control of the Chino Basin. Hydraulic Control is defined as the elimination of groundwater discharge from the Chino-North Management Zone to the Prado Basin, or its reduction to *de minimis* quantities (i.e., less than 1,000 acre-feet per year [afy]). Hydraulic Control ensures that the water management activities in the Chino-North Management Zone will not impair the beneficial uses designated for water quality of the SAR downstream of Prado Dam. Basin Re-operation means the increase in controlled overdraft of the Chino Basin, as defined in the Judgment, from 200,000 acre-ft over the period of 1978 through 2017 to 600,000 acre-ft through 2030. Both desalter expansion in the southwestern portion of the Chino Basin and Re-operation (controlled overdraft over the whole of the Chino Basin) are required to achieve Hydraulic Control. Hydraulic Control was achieved in 2016 and will be maintained through expansion of the desalter program from its current approximate 30,000 afy of groundwater production to 40,000 afy, and the completion of Basin Re-operation.

One of the potential impacts of the Peace II Agreement activities described above is the lowering of groundwater levels (drawdown) in the Prado Basin area, which may impact the riparian habitat that is dependent upon groundwater. To address the potential drawdown and its impact on the riparian habitat, the monitoring and mitigation requirements in the Peace II Subsequent Environmental Impact Report (SEIR) calls for the development and implementation of an adaptive management program for the Prado Basin habitat:

Biological Resources/Land Use & Planning—Section 4.4-3 of the Peace II SEIR

The Chino Basin Stakeholders are committed to ensuring that the Peace II Agreement actions will not significantly adversely impact the Prado Basin riparian habitat. This includes the riparian portions of Chino and Mill Creek's between the terminus of hard lined channels and Prado Basin proper.

The available modeling data in the SEIR indicates that Peace II Agreement implementation will not cause significant adverse effects on the Prado Basin riparian habitat. However, the following contingency measure will be implemented to ensure that the Prado Basin riparian habitat will not incur unforeseeable significant adverse effects, due to implementation of Peace II. IEUA, Watermaster, OCWD and individual stakeholders, that choose to participate, will jointly fund and develop an adaptive management program that will include, but not be limited to:

- *monitoring riparian habitat quality and extent;*

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- *investigating and identifying essential factors to long-term sustainability of Prado Basin riparian habitat;*
- *identification of specific parameters that can be monitored to measure potential effects of Peace II Agreement implementation effects on Prado Basin; and*
- *identification of water management options to minimize the Peace II Agreement effects on Prado Basin.*

This adaptive management program will be prepared as a contingency to define available management actions by Prado Basin stakeholders to address unforeseeable significant adverse impacts, as well as to contribute to the long-term sustainability of the Prado Basin riparian habitat.

The above effort will be implemented under the supervision of a newly-formed Prado Basin Habitat Sustainability Committee. This Committee will include representatives from all interested parties and will be convened by the Watermaster and IEUA. Annual reports will be prepared and will include recommendations for ongoing monitoring and any adaptive management actions required to mitigate any measured loss or prospective loss of riparian habitat that may be attributable to the Peace II Agreement. As determined by Watermaster and IEUA, significant adverse impacts to riparian habitat that are attributable to the Peace II Agreement will be mitigated.

Pursuant to these monitoring and mitigation requirements of the Peace II SEIR, the Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (Watermaster) convened the Prado Basin Habitat Sustainability Committee (PBHSC) to develop the Prado Basin Habitat Sustainability Program (PBHSP). The PBHSP is an adaptive management program to ensure that the riparian habitat in the Prado Basin will not incur unforeseeable significant adverse effects due to implementation of the Peace II Agreement. Annual reports are prepared to document: monitoring and modeling activities, the analysis and interpretation of the monitoring and modeling results, and recommendations for changes to the PBHSP.

DISCUSSION

The Annual Report for WY 2019 is the fourth annual report prepared by the Watermaster and IEUA for the PBHSC. It documents the collection, analysis, and interpretations of the data and information generated by the PSHSP through September 30, 2019 and is organized into the following sections:

Section 1 – Introduction. This section describes the background and objectives of the PBHSP and the Annual Report.

Section 2 – Monitoring, Data Collection, and Methods. This section describes the collection of historical information and recent monitoring data, and the groundwater-modeling activities performed during WY 2019 for the PBHSP.

Section 3 – Results and Interpretations. This section describes the results and interpretations that were derived from the information, data, and groundwater-modeling.

Section 4 – Conclusions and Recommendations. This section summarizes the main conclusions derived from the PBHSP through the prior water year and describes the recommended activities for the subsequent fiscal year as a proposed scope-of-work, schedule, and budget.

Section 5 – References. This section lists the publications cited in the report.

The draft Annual Report for Water Year (WY) 2019 was published and distributed on April 29, 2020. Watermaster and IEUA presented the draft report to members of the PBHSC at a meeting on May 13, 2020. A fourteen-day comment period was provided, and no comments were received.

The Report's Main Findings and Recommendations:

The main interpretations and findings of the PBHSC Annual Report for WY 2019 are:

- The quality of riparian habitat experienced a general increase in greenness across most of the Prado Basin from 2018 to 2019.
- The Prado Basin experienced a prolonged dry period and a warming trend over the last 21 years, and from 2015 to 2018, the NDVI declined across much of the Prado Basin. During WY 2019, the area experienced above-average precipitation and slightly lower temperatures. These cooler, wetter conditions are likely a contributing cause of the observed increases in NDVI and the greening of riparian habitat from 2018 to 2019.
- Stream discharge in Chino Creek, Mill Creek, and the SAR increased during the 2019 growing season compared to the previous seven years. These increases in stream discharge are likely a contributing cause of the observed greening of riparian habitat from 2018 to 2019.
- There has been a significant decrease in the presence of an invasive beetle within the riparian habitat and a reduction in the percentage of stressed trees across the Prado Basin. These observations indicate that the reduced presence of the beetle in 2019 is a possible a contributing cause of the observed greening of riparian habitat from 2018 to 2019.
- Groundwater levels have remained relatively stable and within their historical range of short-term and long-term variability and are therefore not the likely cause of the observed greening of riparian habitat from 2018 to 2019. In addition, the PBHSP has recognized no trend in degradation of the riparian habitat that is contemporaneous with decreasing groundwater levels during Peace II Agreement implementation.
- The most recent Chino Basin groundwater-model projections indicate two areas within the Prado Basin where groundwater levels are projected to decline during 2018-2030: the northernmost reaches of Mill Creek and the SAR. These projected declines in groundwater levels are expected to be minor (< 3 ft) and based on the current (2019) depth to groundwater in these areas, are not a major concern for the prospective loss of riparian habitat.
- Monitoring, analysis, and reporting program should continue, and to the extent possible, should be planned and performed in collaboration with the OCWD (and others) to achieve efficiencies.
- No mitigation measures are recommended as necessary at this time.

ATTACHMENTS

1. 2019 Annual Report of the Prado Basin Habitat Sustainability Committee
<https://cbwm.syncedtool.com/shares/file/3f49b5effc55ae/>

2019 Annual Report of the Prado Basin Habitat Sustainability
Committee

<https://cbwm.syncedtool.com/shares/file/3f49b5effc55ae/>