

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, November 12, 2015

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

Tuesday, November 17, 2015

1:30 p.m. – Appropriative Pool Meeting

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

CHINO BASIN WATERMASTER

Thursday, November 12, 2015

11:00 a.m. – Non-Agricultural Pool Meeting

1:30 p.m. – Agricultural Pool Meeting

Tuesday, November 17, 2015

1:30 p.m. – Appropriative Pool Meeting

POOL AGENDAS

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

1:30 p.m. – November 17, 2015

WITH

Ms. Rosemary Hoerning, Chair

Mr. Darron Poulsen, Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

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

1. Minutes of the Appropriative Pool Meeting held October 8, 2015 *(Page 1)*

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2015 *(Page 13)*
2. Watermaster VISA Check Detail for the month of September 2015 *(Page 29)*
3. Combining Schedule for the Period July 1, 2015 through September 30, 2015 *(Page 33)*
4. Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015 *(Page 37)*
5. Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015 *(Page 41)*

C. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN

Recommend to the Advisory Committee to recommend to the Watermaster Board to adopt the finding that Watermaster is in substantial compliance with the Recharge Master Plan. *(Page 57)*

D. WATER TRANSACTION *(Page 65)*

Notice of Sale or Transfer – The purchase of 100.000 acre-feet of water from the City of Pomona by Monte Vista Water District. This purchase is made from the City of Pomona's Excess Carryover Account and is to be placed in Monte Vista Water District's storage account. Date of application: October 15, 2015

II. BUSINESS ITEMS**A. CHINO BASIN WATERMASTER INTERIM 2015/2016 ASSESSMENTS** *(Page 75)*

Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

B. LEVYING INTERIM 2015/2016 ASSESSMENTS *(Page 85)*

Review Resolution 2015-08 as presented, and offer advice to Watermaster.

C. 2016 APPROPRIATIVE POOL VOLUME VOTE *(Page 91)*

Provide advice and counsel to Watermaster Staff in regard to how the Calendar Year 2016 Appropriative Pool Volume Vote should be handled.

D. WATERMASTER REAPPOINTMENT *(Staff letter will follow separately)*

Discuss and determine the Appropriative Pool's and its members' preference on future Watermaster structure.

E. 2015 SAFE YIELD RESET AGREEMENT**F. PREPARATION FOR WINTER WATER AVAILABILITY (Discussion Only)****III. REPORTS/UPDATES****A. LEGAL COUNSEL REPORT**

1. Motion for Approval of Temporary Substitute Rate, Receipt and File of OBMP Status Report
2. Motion re 2015 Safe Yield Reset Agreement, Amendment of Restated Judgment
3. Recommendation re Basin Boundary Revision Request

B. ENGINEER REPORT *(Page 99)*

1. Proposed Change to the Nitrate Concentration Objective for the Chino-South Groundwater Management Zone

C. CFO REPORT

1. Chino Basin Watermaster Annual Financial Report For the Fiscal Years Ended June 30, 2015 and 2014

D. GM REPORT

1. Exhibit "G" Physical Solution Transfers
2. Holiday Schedule
3. Other

IV. INFORMATION

1. Cash Disbursements for October 2015 *(Page 115)*
2. Recharge Investigations and Projects Committee (RIPCom) *(Page 125)*

V. POOL MEMBER COMMENTS**VI. OTHER BUSINESS**

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to the Appropriative Pool Rules & Regulations, a Confidential Session may be held during the Watermaster Pool meeting for the purpose of discussion and possible action.

1. Watermaster Reappointment
2. 2015 Safe Yield Reset Agreement

VIII. FUTURE MEETINGS AT WATERMASTER

- | | | |
|--------------|------------|---|
| 11/12/15 Thu | 11:00 a.m. | Non-Agricultural Pool |
| 11/12/15 Thu | 1:30 p.m. | Agricultural Pool |
| 11/17/15 Tue | 9:00 a.m. | Groundwater Recharge Coordinating Committee (GRCC) at CBWCD |
| 11/17/15 Tue | 1:30 p.m. | Appropriative Pool (Rescheduled from 11/12/15) |
| 11/19/15 Thu | 9:00 a.m. | Advisory Committee |
| 11/19/15 Thu | 9:30 a.m. | Recharge Investigations and Projects Committee (RIPCom) |
| 11/19/15 Thu | 11:00 a.m. | Watermaster Board (Rescheduled from 11/26/15) |

ADJOURNMENT

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

11:00 a.m. – November 12, 2015

WITH

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

1-800-930-9525 PASS CODE: 917924

Call can be taken at

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

ROLL CALL

AGENDA – ADDITIONS/REORDER

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

1. Minutes of the Non-Agricultural Pool Meeting held October 8, 2015 (*Page 5*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2015 (*Page 13*)
2. Watermaster VISA Check Detail for the month of September 2015 (*Page 29*)
3. Combining Schedule for the Period July 1, 2015 through September 30, 2015 (*Page 33*)
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5. Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015 (*Page 41*)

C. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN

Recommend to the Advisory Committee to recommend to the Watermaster Board to adopt the finding that Watermaster is in substantial compliance with the Recharge Master Plan. (*Page 57*)

D. WATER TRANSACTION (*Page 65*)

Notice of Sale or Transfer – The purchase of 100.000 acre-feet of water from the City of Pomona by Monte Vista Water District. This purchase is made from the City of Pomona's Excess Carryover Account and is to be placed in Monte Vista Water District's storage account. Date of application: October 15, 2015

II. BUSINESS ITEMS

A. CHINO BASIN WATERMASTER INTERIM 2015/2016 ASSESSMENTS (*Page 75*)

Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

B. LEVYING INTERIM 2015/2016 ASSESSMENTS (*Page 85*)

Review Resolution 2015-08 as presented, and offer advice to Watermaster.

C. 2016 NON-AGRICULTURAL POOL VOLUME VOTE *(Page 95)*

Provide advice and counsel to Watermaster Staff in regard to how the Calendar Year 2016 Overlying (Non-Agricultural) Pool Volume Vote should be handled.

D. MEMBER STATUS CHANGES (For Discussion and Possible Action)

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.
 - Update on NRG CA South LP Representatives

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

1. Motion for Approval of Temporary Substitute Rate, Receipt and File of OBMP Status Report
2. Motion re 2015 Safe Yield Reset Agreement, Amendment of Restated Judgment
3. Recommendation re Basin Boundary Revision Request

B. ENGINEER REPORT *(Page 99)*

1. Proposed Change to the Nitrate Concentration Objective for the Chino-South Groundwater Management Zone

C. CFO REPORT

1. Chino Basin Watermaster Annual Financial Report For the Fiscal Years Ended June 30, 2015 and 2014

D. GM REPORT

1. Watermaster Reappointment
2. Exhibit "G" Physical Solution Transfers
3. Holiday Schedule
4. Other

IV. INFORMATION

1. Cash Disbursements for October 2015 *(Page 115)*
2. Recharge Investigations and Projects Committee (RIPCom) *(Page 125)*

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

Pursuant to the Non-Agricultural Pool Rules & Regulations, a Confidential Session may be held during the Watermaster Pool meeting for the purpose of discussion and possible action.

1. Non-Agricultural Pool Legal Services Special Assessment

VIII. FUTURE MEETINGS AT WATERMASTER

11/12/15 Thu	11:00 a.m.	Non-Agricultural Pool
11/12/15 Thu	1:30 p.m.	Agricultural Pool
11/17/15 Tue	9:00 a.m.	Groundwater Recharge Coordinating Committee (GRCC) at CBWCD
11/17/15 Tue	1:30 p.m.	Appropriative Pool (Rescheduled from 11/12/15)
11/19/15 Thu	9:00 a.m.	Advisory Committee
11/19/15 Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom)
11/19/15 Thu	11:00 a.m.	Watermaster Board (Rescheduled from 11/26/15)

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**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – November 12, 2015

WITH

Mr. Bob Feenstra, Chair

Mr. Jeff Pierson, Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

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AGENDA - ADDITIONS/REORDER

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1. Minutes of the Agricultural Pool Meeting held October 8, 2015 *(Page 9)*

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II. BUSINESS ITEMS

A. CHINO BASIN WATERMASTER INTERIM 2015/2016 ASSESSMENTS *(Page 75)*

Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

- B. LEVYING INTERIM 2015/2016 ASSESSMENTS** *(Page 85)*
Review Resolution 2015-08 as presented, and offer advice to Watermaster.

C. OLD BUSINESS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. Motion for Approval of Temporary Substitute Rate, Receipt and File of OBMP Status Report
- 2. Motion re 2015 Safe Yield Reset Agreement, Amendment of Restated Judgment
- 3. Recommendation re Basin Boundary Revision Request

B. ENGINEER REPORT *(Page 99)*

- 1. Ground-Level Monitoring Report
- 2. Proposed Change to the Nitrate Concentration Objective for the Chino-South Groundwater Management Zone

C. CFO REPORT

- 1. Chino Basin Watermaster Annual Financial Report For the Fiscal Years Ended June 30, 2015 and 2014

D. GM REPORT

- 1. Watermaster Reappointment
- 2. 2016 Volume Vote
- 3. Exhibit "G" Physical Solution Transfers
- 4. Other

E. AGRICULTURAL POOL LEGAL COUNSEL REPORT

IV. INFORMATION

- 1. Cash Disbursements for October 2015 *(Page 115)*
- 2. Recharge Investigations and Projects Committee (RIPCom) *(Page 125)*

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to the Agricultural Pool Rules & Regulations, a Confidential Session may be held during the Watermaster Pool meeting for the purpose of discussion and possible action.

VIII. FUTURE MEETINGS AT WATERMASTER

- 11/12/15 Thu 11:00 a.m. Non-Agricultural Pool
- 11/12/15 Thu 1:30 p.m. Agricultural Pool
- 11/17/15 Tue 9:00 a.m. Groundwater Recharge Coordinating Committee (GRCC) at CBWCD
- 11/17/15 Tue 1:30 p.m. Appropriative Pool (Rescheduled from 11/12/15)
- 11/19/15 Thu 9:00 a.m. Advisory Committee
- 11/19/15 Thu 9:30 a.m. Recharge Investigations and Projects Committee (RIPCom)
- 11/19/15 Thu 11:00 a.m. Watermaster Board (Rescheduled from 11/26/15)

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Appropriate Pool Meeting held on October 8, 2015

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

October 8, 2015

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on October 8, 2015.

APPROPRIATIVE POOL MEMBERS PRESENT

Rosemary Hoerning, Chair
Darron Poulsen, Vice-Chair
Bob Page
Dave Crosley
Teri Layton
Van Jew for Justin Scott-Coe
Van Jew
Ron Craig
Marty Zvirbulis
Josh Swift
Cris Fealy
Ryan Shaw for Scott Burton
Ben Lewis
Todd Corbin

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

WATERMASTER BOARD MEMBER PRESENT

Bob Kuhn

Three Valleys Municipal Water District

WATERMASTER STAFF PRESENT

Peter Kavounas
Danielle Maurizio
Joseph Joswiak
Anna Truong

General Manager
Assistant General Manager
Chief Financial Officer
Recording Secretary

WATERMASTER CONSULTANTS PRESENT

Brad Herrema
Mark Wildermuth
Andy Malone

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

OTHERS PRESENT

Pete Hall
David DeJesus
Eunice Ulloa
Curtis Paxton
Andy Campbell
Raul Garibay
Manny Martinez
Jo Lynne Russo-Pereyra
Sheri Rojo
Bob Feenstra

State of California – CIM
Three Valleys Municipal Water District
Chino Basin Water Conservation District
Chino Basin Desalter Authority
Inland Empire Utilities Agency
City of Pomona
Monte Vista Water District
Cucamonga Valley Water District
Fontana Water Company
Agricultural Pool - Dairy

CALL TO ORDER

Chair Hoerning called the Appropriative Pool meeting to order at 9:01 a.m.

AGENDA - ADDITIONS/REORDER

(0:00:29) Mr. Jew asked that Consent Calendar Item I.A., the Minutes, are pulled for discussion.

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Appropriative Pool Meeting held September 10, 2015
2. Minutes of the Appropriative Pool Special Meeting held September 17, 2015

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2015
2. Watermaster VISA Check Detail for the month of August 2015
3. Combining Schedule for the Period July 1, 2015 through August 31, 2015
4. Treasurer's Report of Financial Affairs for the Period August 1, 2015 through August 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through August 31, 2015

(0:00:38)

Motion by Mr. Marty Zvirbulis, seconded by Mr. Ron Craig, and by unanimous vote

Moved to approve Consent Calendar Item I.B. as presented

(0:01:00) Mr. Jew requested a change to the minutes for Consent Calendar, Item I.A.1, the Minutes of the Appropriative Pool Meeting held September 10, 2015, under Business Item II.B., the Exhibit "G" Physical Solution Transfer Rate Substitution to be changed from "The following abstained as they are also members of the Non-Agricultural Pool" to read "The following abstained:" and to include "Mr." in front of Mr. Shaw's name.

(0:02:03)

Motion by Mr. Van Jew, seconded by Ms. Teri Layton, and by unanimous vote

Moved to approve Consent Calendar Item I.A. with changes as noted above

II. BUSINESS ITEMS

A. WATERMASTER REAPPOINTMENT (DISCUSSION ONLY)

(0:02:29) Mr. Kavounas gave a report. Chair Hoerning made a comment.

(0:02:42) Mr. Poulsen joined the meeting.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT EXTENSION

Provide advice and counsel to Watermaster on the proposed contract with WEI.

(0:04:49) Mr. Kavounas gave a report. A discussion ensued.

C. INTERIM 2015/16 ASSESSMENT (INFORMATION ONLY)

Discuss the collection of an interim partial assessment in late November, with the balance to be collected when the Assessment Package is produced, as well as Staff's recommendation as to how the interim assessment will be calculated.

(0:21:06) Mr. Kavounas gave a report. A discussion ensued.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Watermaster Resolution 2015-06
2. Motion for Approval of Temporary Substitute Rate, Receipt and Filing of Semi-Annual Report
3. Santa Ana Sucker Critical Habitat Designation Litigation

(0:27:52) Mr. Herrema gave a report.

B. ENGINEER REPORT

1. Ground Level Monitoring Report

(0:32:22) Mr. Kavounas introduced the item and handed off to Mr. Malone to give a presentation.

(0:33:20) Mr. Malone gave a presentation.

(0:36:15) Mr. Corbin joined the meeting.

C. CFO REPORT

None

D. GM REPORT

1. Business Plan Update
2. Storage
3. Request for Information Process
4. Volume Vote
5. Holiday Meeting Schedule
6. Other

(0:57:51) Mr. Kavounas gave a report. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for September 2015
2. Recharge Investigations and Projects Committee (RIPCom)
3. Ground Level Monitoring Report
4. RMPU Status Report

V. POOL MEMBER COMMENTS

(1:09:52) Mr. Jew commented on consulting services.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

The Pool went into Confidential Session at 10:13 a.m. to discuss the Watermaster Reappointment. Confidential session concluded at 11:55 a.m. with no reportable action.

(1:11:55) Mr. Jew commented on consulting services. A discussion ensued.

ADJOURNMENT

Chair Hoerning adjourned the Appropriative Pool meeting at 12:01 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. BUSINESS ITEM ROUTINE

A. MINUTES

1. Non-Agricultural Pool Meeting held on October 8, 2015

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING

October 8, 2015

The Non-Agricultural Pool meeting was held at the offices of Chino Basin Watermaster and via conference call using the Chino Basin Watermaster conference call number on October 8, 2015.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Brian Geye, Chair	Auto Club Speedway
Bob Bowcock, Vice-Chair	Calmat Company (Vulcan Materials Co.)
Bob Page	County of San Bernardino
Mark Kinsey	Monte Vista Water District

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

David Penrice	Aqua Capital Management, LP
Tom O'Neill	Ontario City Non-Agricultural
Ken Jeske	California Steel Industries (CSI)

WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Danielle Maurizio	Assistant General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Recording Secretary
Janine Wilson	Recording Secretary

WATERMASTER CONSULTANTS PRESENT AT WATERMASTER

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

NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL

Allen Hubsch	Non-Agricultural Pool Attorney
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OTHERS PRESENT AT WATERMASTER

Pete Hall	State of California – CIM
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CALL TO ORDER

Chair Geye called the Non-Agricultural Pool meeting to order at 11:00 a.m.

ROLL CALL

Ms. Wilson conducted the roll call.

AGENDA – ADDITIONS/REORDER

None

I. BUSINESS ITEMS - ROUTINE

A. MINUTES

1. Minutes of the Non-Agricultural Pool Meeting held September 1 2015

(0:02:07)

Motion by Mr. Bob Bowcock, seconded by Mr. Bob Page. 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.A.1 as presented.

2. Minutes of the Non-Agricultural Pool Special Meeting held September 15, 2015

(0:02:24) Mr. Page provided clarification and requested that the September 15, 2015 Special Meeting Minutes reflect that he joined the conference call late and did not participate in the vote coming out of confidential session.

(0:03:06)

Motion by Mr. Bob Page, seconded by Mr. Bob 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.A.2 with revisions indicated above.

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2015
2. Watermaster VISA Check Detail for the month of August 2015
3. Combining Schedule for the Period July 1, 2015 through August 31, 2015
4. Treasurer's Report of Financial Affairs for the Period August 1, 2015 through August 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through August 31, 2015

(0:03:32)

Motion by Mr. Bob Page, seconded by Mr. Mark Kinsey. 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 REAPPOINTMENT (DISCUSSION ONLY)

(0:03:57) Mr. Kavounas gave a report. A discussion ensued.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT EXTENSION

(0:06:07) Mr. Kavounas gave a report. A discussion ensued.

C. INTERIM 2015/16 ASSESSMENT (INFORMATION ONLY)

(0:21:36) Mr. Kavounas gave a report. A discussion ensued.

D. 2015 SAFE YIELD RESET AGREEMENT APPROVAL

(0:27:55) Mr. Kavounas gave a report. The Pool will take the matter into Confidential Session for discussion.

E. MEMBER STATUS CHANGES (For Discussion and Possible Action)

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
 - City of Ontario/Aqua Capital Management transaction completion.
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.

(0:29:05) Mr. Kavounas reported that the permanent transfer to the City of Ontario by Aqua Capital Management (ACM) of 282.981 AF was completed with the closing date of October 1, 2015. Chair Geye raised the question of whether or not Aqua Capital Management intends to remain a member of the Non-Agricultural Pool. Mr. Penrice responded that ACM intends to remain in the Pool.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Watermaster Resolution 2015-06
2. Motion for Approval of Temporary Substitute Rate, Receipt and Filing of Semi Annual Report
3. Santa Ana Sucker Critical Habitat Designation Litigation

(0:30:10) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

1. Ground Level Monitoring Report

(0:36:05) Mr. Kavounas gave a report and offered Mr. Malone's presentation. The Pool declined the presentation.

C. CFO REPORT

None

D. GM REPORT

1. Business Plan Update
2. Storage
3. Request for Information Process
4. Volume Vote
5. Holiday Meeting Schedule
6. Other

(0:37:50) Mr. Kavounas gave a report.

IV. INFORMATION

1. Cash Disbursements for September 2015
2. Recharge Investigations and Projects Committee (RIPCom)
3. Ground Level Monitoring Report
4. RMPU Status Report

V. POOL MEMBER COMMENTS

(0:45:57) Mr. Kinsey commented on preparing for the wet year and how the Pool could participate in efforts to capture water.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

The Non-Agricultural Pool went into confidential session at 11:47 a.m. to discuss the Watermaster Reappointment and Safe Yield Reset Agreement. Confidential session concluded at 12:33 p.m. (0:47:10) with the following reportable actions:

1. Watermaster Reappointment: Guidance was provided by the Pool for Chair Geye to represent the Pool on the ad hoc committee as it relates to this item.
2. Safe Yield Reset Agreement:
 - a) Direction was given to the Pool Chair and Legal Counsel to sign the Agreement and Chair Geye will work with staff and counsel to get that accomplished.
 - b) Guidance was provided to Pool Counsel regarding the City of Chino's discovery request.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 12:34 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Meeting held on October 8, 2015

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING

October 8, 2015

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on October 8, 2015.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Nathan deBoom	Dairy
Carol Boyd	State of California – CIM
Bob Page	County of San Bernardino
Pete Hall	State of California – CIM
Rob Vanden Heuvel	Dairy
Larry Dimock	State of California – CIM

WATERMASTER BOARD MEMBERS PRESENT

Paul Hofer	Crops
Geoff Vanden Heuvel	Dairy

WATERMASTER STAFF PRESENT

Peter Kavounas	General Manager
Danielle Maurizio	Assistant General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Recording Secretary

WATERMASTER CONSULTANTS PRESENT

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

OTHERS PRESENT

Rick Rees	AMEC
Tracy Egoscue	Egoscue Law Group

CALL TO ORDER

Chair Feenstra called the Agricultural Pool meeting to order at 1:35 p.m.

AGENDA - ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Agricultural Pool Meeting held September 15, 2015

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3. Combining Schedule for the Period July 1, 2015 through August 31, 2015
4. Treasurer's Report of Financial Affairs for the Period August 1, 2015 through August 31, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through August 31, 2015

(0:00:57) Ms. Egoscue noted the revision to the September 15, 2015 minutes that were available before the meeting changing the text under confidential session from "...which were passed by unanimous vote" to "...which were passed by majority vote," and that the vote below would be approval of the revised minutes.

(0:01:18)

*Motion by Mr. Nathan deBoom, seconded by Mr. Rob Vanden Heuvel, and by unanimous vote
Moved to approve Consent Calendar with the revision as noted above.*

II. BUSINESS ITEMS

A. WATERMASTER REAPPOINTMENT (DISCUSSION ONLY)

(0:02:02) Mr. Kavounas gave a report. A discussion ensued and the Pool will continue the discussion in confidential session.

B. WILDERMUTH ENVIRONMENTAL, INC. CONTRACT EXTENSION

(0:15:07) Mr. Kavounas gave a report. A discussion ensued

C. 2015 SAFE YIELD RESET AGREEMENT APPROVAL

(0:40:47) Mr. Kavounas gave a report. A discussion ensued.

(0:41:07)

*Motion by Vice-Chair Pierson, seconded by Mr. Nathan deBoom, and by majority vote
Moved to approve the 2015 Safe Yield Reset Agreement and authorize Chair Feenstra to sign the agreement on behalf of the Agricultural Pool.*

(0:42:37) Mr. Bob Page abstained as he did not yet have direction from the County's Board of Supervisors.

D. OLD BUSINESS

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Watermaster Resolution 2015-06
2. Motion for Approval of Temporary Substitute Rate, Receipt and Filing of Semi-Annual Report
3. Santa Ana Sucker Critical Habitat Designation Litigation

(0:44:23) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

1. Ground Level Monitoring Report

The Pool opted to skip the Engineer Report and hear it at the November 2015 meeting instead.

C. CFO REPORT

None

D. GM REPORT

1. Business Plan Update
2. Storage
3. Request for Information Process
4. Volume Vote
5. Interim 2015/16 Assessment
6. Holiday Meeting Schedule
7. Other

(0:50:45) Mr. Kavounas gave a report.

E. AGRICULTURAL POOL LEGAL COUNSEL REPORT

None

IV. INFORMATION

1. Cash Disbursements for September 2015
2. Recharge Investigations and Projects Committee (RIPCom)
3. Ground Level Monitoring Report
4. RMPU Status Report

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

The Agricultural Pool went into confidential session at 2:18 p.m. to discuss the Watermaster Reappointment. Confidential session concluded at 3:05 p.m. with no reportable action.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 3:19 p.m.

Secretary: _____

Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (App & Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of September 2015
2. Watermaster VISA Check Detail for the Month of September 2015
3. Combining Schedule for the Period July 1, 2015 through September 30, 2015
4. Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015

I. BUSINESS ITEM ROUTINE (Non-Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the Month of September 2015
2. Watermaster VISA Check Detail for the Month of September 2015
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4. Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015
5. Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015



CHINO BASIN WATERMASTER

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Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (September 30, 2015)

SUMMARY

Issue: Record of Cash Disbursements for the month of September 30, 2015.

Recommendation: Receive and file Cash Disbursements for September 30, 2015 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Non-Agricultural Pool: November 12, 2015; Receive and File

Agricultural Pool: November 12, 2015; Receive and File

Appropriative Pool: November 17, 2015; Receive and File

Advisory Committee: November 19, 2015; Receive and File

Watermaster Board: November 19, 2015; Receive and File (Normal Course of Business)

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –

November 12, 2015 – Agricultural Pool –

November 17, 2015 – Appropriative Pool –

November 19, 2015 – Advisory Committee –

November 19, 2015 – Watermaster Board –

BACKGROUND

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

DISCUSSION

Total cash disbursements during the month of September 2015 were \$933,571.98.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amounts of \$186,593.19 and \$111,365.75 (check number 18907 dated September 14, 2015 and check number 18937 dated September 25, 2015); Brownstein Hyatt Farber and Schreck in the amounts of \$102,826.63 and \$127,406.07 (check number 18866 dated September 8, 2015 and check number 18927 dated September 25, 2015); and Inland Empire Utilities Agency in the amount of \$197,976.87 (check number 18919 dated September 16, 2015).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/04/2015	ACH 090415	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	08/29/2015	08/29/2015	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 08/16/15-08/29/15	2000 · Accounts Payable	6,467.41
TOTAL						6,467.41
Bill Pmt -Check	09/08/2015	18866	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	07/31/2015	610804		610804	6078 · BHFS Legal - Miscellaneous	8,190.00
				610804	6375 · BHFS Legal - Board Meeting	352.80
				Personnel	6073 · BHFS Legal - Personnel Matters	445.50
				Expenses	6375 · BHFS Legal - Board Meeting	150.00
				Expenses	6907.42 · Safe Yield Recalculation	450.00
				Expenses	8375 · BHFS Legal - Appropriative Pool	12.46
				Expenses	8475 · BHFS Legal - Agricultural Pool	12.46
				Expenses	8575 · BHFS Legal - Non-Ag Pool	12.45
				Expenses	6078 · BHFS Legal - Miscellaneous	66.65
Bill	07/31/2015	610805		Training	6073 · BHFS Legal - Personnel Matters	114.75
				OAH	6073 · BHFS Legal - Personnel Matters	579.60
				GM Contract	6073 · BHFS Legal - Personnel Matters	1,924.20
				Personnel	6073 · BHFS Legal - Personnel Matters	582.75
Bill	07/31/2015	610806		610806	6907.34 · Santa Ana River Water Rights	525.60
Bill	07/31/2015	610807		610807	6907.36 · Santa Ana River Habitat	531.00
Bill	07/31/2015	610808		610808	6275 · BHFS Legal - Advisory Committee	1,338.75
Bill	07/31/2015	610809		610809	6375 · BHFS Legal - Board Meeting	5,961.15
Bill	07/31/2015	610810		610810	8375 · BHFS Legal - Appropriative Pool	1,721.25
Bill	07/31/2015	610811		610811	8475 · BHFS Legal - Agricultural Pool	1,721.25
Bill	07/31/2015	610812		610812	8575 · BHFS Legal - Non-Ag Pool	1,721.25
Bill	07/31/2015	610813		610813	6071 · BHFS Legal - Court Coordination	3,309.75
Bill	07/31/2015	610814		610814	6907.42 · Safe Yield Recalculation	69,571.35
				Expenses	6907.42 · Safe Yield Recalculation	188.59
				610814	6375 · BHFS Legal - Board Meeting	263.25
Bill	07/31/2015	610815		610815	6078.12 · CCG Motion	3,021.75
				Expenses	6078.12 · CCG Motion	58.07
TOTAL						102,826.63
Bill Pmt -Check	09/08/2015	18867	DIRECTV	019447404	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	019447404		8/19/15 - 9/18/15	6031.7 · Other Office Supplies	110.98
TOTAL						110.98
Bill Pmt -Check	09/08/2015	18868	FEDAK & BROWN LLP		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015			Progress Billing - August 2015	6062 · Audit Services	3,502.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

	Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL							3,502.00
	Bill Pmt -Check	09/08/2015	18869	GREAT AMERICA LEASING CORP.	17415818	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	17415818		Invoice	6043.1 · Ricoh Lease Fee	3,252.70
					Property tax	6043.1 · Ricoh Lease Fee	202.15
					Property tax	6043.1 · Ricoh Lease Fee	60.64
					Property tax	6043.1 · Ricoh Lease Fee	240.90
TOTAL							3,756.39
	Bill Pmt -Check	09/08/2015	18870	LOS ANGELES NEWS GROUP	900421820	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	900421820		6/25/15-8/19/16 (\$429.00 plus \$46.35)	6112 · Subscriptions/Publications	475.35
TOTAL							475.35
	Bill Pmt -Check	09/08/2015	18871	MIJAC ALARM	376377	1012 · Bank of America Gen'l Ckg	
	Bill	09/01/2015	376377		Fire monitoring 9/01/15-11/30/15	6026 · Security Services	411.00
					Opening & closing reports 9/01/15-11/30/15	6026 · Security Services	54.00
					Annex-opening & closing reports 9/01/15-11/30/15	6026 · Security Services	45.00
					Commercial monitoring 9/01/15-11/30/15	6026 · Security Services	147.00
TOTAL							657.00
	Bill Pmt -Check	09/08/2015	18872	PARK PLACE COMPUTER SOLUTIONS, INC.	502	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	502		IT Consulting Services - August 2015	6052.1 · Park Place Comp Solutn	4,725.00
TOTAL							4,725.00
	Bill Pmt -Check	09/08/2015	18873	PAYCHEX	2015082700	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	2015082700		August 2015	6012 · Payroll Services	372.01
TOTAL							372.01
	Bill Pmt -Check	09/08/2015	18874	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	0023230253		Office Water Bottle - August 2015	6031.7 · Other Office Supplies	98.85
TOTAL							98.85
	Bill Pmt -Check	09/08/2015	18875	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	689.35
TOTAL							689.35
	Bill Pmt -Check	09/08/2015	18876	STAPLES BUSINESS ADVANTAGE		1012 · Bank of America Gen'l Ckg	
	Bill	08/31/2015	8035607244		Miscellaneous office supplies	6031.7 · Other Office Supplies	554.33
	Bill	08/31/2015	8035695211		Miscellaneous office supplies	6031.7 · Other Office Supplies	327.40
TOTAL							881.73

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/08/2015	18877	STATE COMPENSATION INSURANCE FUND	1970970-15	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	01970970-15		Premium on account 8/26/15-9/26/15	60183 · Worker's Comp Insurance	961.58
TOTAL						961.58
Bill Pmt -Check	09/08/2015	18878	VERIZON		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	012519128144592510		012519128144592510	6022 · Telephone	136.22
Bill	08/31/2015	012561121521714508		012561121521714508	7405 · PE4-Other Expense	191.72
TOTAL						327.94
Bill Pmt -Check	09/08/2015	18879	VERIZON WIRELESS	9750570978	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	9750570978		9750570978	7103.7 · Grdwtr Qual-Computer Svc	20.02
TOTAL						20.02
Bill Pmt -Check	09/08/2015	18880	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	001017890001		Vision Insurance - September 2015	60182.2 · Dental & Vision Ins	105.03
TOTAL						105.03
P17 Bill Pmt -Check	09/08/2015	18881	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2015	08-k2 213849		Disposal Service - September 2015	6024 · Building Repair & Maintenance	111.57
TOTAL						111.57
General Journal	09/12/2015	09/12/2015	Payroll and Taxes for 08/30/15-09/12/15	Payroll and Taxes for 08/30/15-09/12/15	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 08/30/15-09/12/15	1012 · Bank of America Gen'l Ckg	22,279.42
				Payroll Taxes for 08/30/15-09/12/15	1012 · Bank of America Gen'l Ckg	7,550.13
			ICMA-RC	457(f) Employee Deductions for 08/30/15-09/12/15	1012 · Bank of America Gen'l Ckg	3,646.36
			ICMA-RC	401(a) Employee Deductions for 08/30/15-09/12/15	1012 · Bank of America Gen'l Ckg	1,150.53
TOTAL						34,626.44
Bill Pmt -Check	09/12/2015	ACH 092115	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	09/12/2015	09/12/2015	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 08/30/15-09/12/15	2000 · Accounts Payable	6,226.22
TOTAL						6,226.22
Bill Pmt -Check	09/14/2015	18882	ACWA JOINT POWERS INSURANCE AUTHORITY	0369673	1012 · Bank of America Gen'l Ckg	
Bill	09/09/2015	0369673		Prepayment - October 2015	1409 · Prepaid Life, BAD&D & LTD	128.39
				September 2015	60191 · Life & Disab.Ins Benefits	128.38
TOTAL						256.77
Bill Pmt -Check	09/14/2015	18883	APPLIED COMPUTER TECHNOLOGIES	2615	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	2615		Database Consulting - August 2015	6052.2 · Applied Computer Technol	4,388.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						4,388.00
Bill Pmt -Check	09/14/2015	18884	BOWCOCK, ROBERT		1012 · Bank of America Gen'l Ckg	
Bill	08/10/2015	8/10 Ad Hoc Comm		8/10/15 Ad Hoc Committee-Ontario Non Ag Usage	6311 · Board Member Compensation	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	09/14/2015	18885	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/14/2015	18886	CHARTER COMMUNICATIONS	8245100651455350	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2015	8245100651455350		9/06/15-10/05/15	6053 · Internet Expense	64.99
TOTAL						64.99
Bill Pmt -Check	09/14/2015	18887	CHEF DAVE'S CAFE & CATERING	5638	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	5638		Lunch for 8/27/15 Watermaster Board meeting	6312 · Meeting Expenses	526.40
TOTAL						526.40
P18 Bill Pmt -Check	09/14/2015	18888	CORELOGIC INFORMATION SOLUTIONS	8154452	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	8154452		8154452	7103.7 · Grdwtr Qual-Computer Svc	62.50
				8154452	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	09/14/2015	18889	DE BOOM, NATHAN		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						500.00
Bill Pmt -Check	09/14/2015	18890	DE HAAN, HENRY		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	08/12/2015	8/12 Special Ag Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	08/26/2015	8/26 Special Ag Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						375.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/14/2015	18891	DURRINGTON, GLEN		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						250.00
Bill Pmt -Check	09/14/2015	18892	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/14/2015	18893	FEENSTRA, BOB		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/05/2015	8/05 Mtg w/Counsel		8/05/15 Meeting w/Tracy Egoscue	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 Advisory Comm		8/20/15, Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						875.00
P19 Bill Pmt -Check	09/14/2015	18894	HALL, PETE*		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Appro Pool Mtg		8/13/15 Appropriative Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Non Ag Pool Mtg		8/13/15 Non-Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 Advisory Comm		8/20/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 RIPCom Mtg		8/20/15 RIPCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						1,125.00
Bill Pmt -Check	09/14/2015	18895	HUITSING, JOHN		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						500.00
Bill Pmt -Check	09/14/2015	18896	KUHN, BOB		1012 · Bank of America Gen'l Ckg	
Bill	08/13/2015	8/13 Appro Pool Mtg		8/13/15 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/20/2015	8/20 Advisory Comm		8/20/15 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	09/14/2015	18897	MONTE VISTA WATER DIST	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting - Mark Kinsey attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/14/2015	18898	PIERSON, JEFFREY		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/05/2015	8/05 Mtg w/Counsel		8/05/15 Meeting w/Tracy Egoscue	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 Advisory Comm		8/20/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 RIP Com Mtg		8/20/15 RIPCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						1,000.00
P20 Bill Pmt -Check	09/14/2015	18899	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2015	1394905143		Unfunded accrued liability	60180 · Employers PERS Expense	3,077.00
TOTAL						3,077.00
Bill Pmt -Check	09/14/2015	18900	RR FRANCHISING, INC.	9886	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2015	9886		Janitorial Services	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	09/14/2015	18901	SANTA ANA RIVER WATER COMPANY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Mtg. - Arnold Rodriguez attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/14/2015	18902	STAPLES BUSINESS ADVANTAGE	8035801938	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	8035801938		Miscellaneous office supplies	6031.7 · Other Office Supplies	32.39
TOTAL						32.39
Bill Pmt -Check	09/14/2015	18903	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	7076224530355049		August 2015	6175 · Vehicle Fuel	85.34
TOTAL						85.34
Bill Pmt -Check	09/14/2015	18904	VANDEN HEUVEL, GEOFFREY	6311	1012 · Bank of America Gen'l Ckg	

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	09/14/2015	18905	VANDEN HEUVEL, ROB		1012 · Bank of America Gen'l Ckg	
Bill	08/05/2015	8/05 Special Ag Mtg		8/05/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/12/2015	8/12 Special Ag Mtg		8/12/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/13/2015	8/13 Ag Pool Mtg		8/13/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/20/2015	8/20 Advisory Comm		8/20/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2015	8/26 Special Ag Mtg		8/26/15 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						625.00
Bill Pmt -Check	09/14/2015	18906	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/27/2015	8/27 Board Mtg		8/27/15 Board Meeting - Don Galeano attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
P21	Bill Pmt -Check	09/14/2015	18907	WILDERMUTH ENVIRONMENTAL INC	1012 · Bank of America Gen'l Ckg	
	Bill	07/31/2015	2015204	2015204	6906.31 · OBMP-Pool, Adv. Board Mtgs	5,718.15
	Bill	07/31/2015	2015205	2015205	6906.32 · OBMP-Other General Meetings	965.10
	Bill	07/31/2015	2015206	2015206	6906.71 · OBMP-Data Req.-CBWM Staff	10,251.50
	Bill	07/31/2015	2015207	2015207	6906.72 · OBMP-Data Req.-Non CBWM Staff	4,741.25
	Bill	07/31/2015	2015208	2015208	6906.22 · Water Rights Compliance Rprting	5,798.50
	Bill	07/31/2015	2015209	2015209	6906 · OBMP Engineering Services	2,931.25
	Bill	07/31/2015	2015210	2015210	6906.1 · OBMP-Watermaster Model Update	15,621.25
	Bill	07/31/2015	2015211	2015211	7103.3 · Grdwtr Qual-Engineering	5,326.25
	Bill	07/31/2015	2015212	2015212	7104.3 · Grdwtr Level-Engineering	12,258.74
	Bill	07/31/2015	2015213	Neva Ridge	7107.3 · Grd Level-SAR Imagery	12,000.00
				2015213	7107.2 · Grd Level-Engineering	41.25
	Bill	07/31/2015	2015214	2015214	7107.2 · Grd Level-Engineering	7,746.01
				Zumasys	7107.6 · Grd Level-Contract Svcs	331.50
	Bill	07/31/2015	2015215	2015215	7108.3 · Hydraulic Control-Engineering	582.35
	Bill	07/31/2015	2015216	2015216	7108.3 · Hydraulic Control-Engineering	882.05
	Bill	07/31/2015	2015218	2015218	7202.2 · Engineering Svc	2,580.72
	Bill	07/31/2015	2015219	2015219	7402 · PE4-Engineering	2,600.00
	Bill	07/31/2015	2015220	2015220	7402.10 · PE4 - MZ1 Pomona Project	15,638.90
	Bill	07/31/2015	2015221	2015221	7502 · PE6&7-Engineering	8,312.25
	Bill	07/31/2015	2015222	2015222	6906.73 · OBMP-Safe Yield Recalculation	21,611.05

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	07/31/2015	2015223		2015223	6910.1 · IRP Groundwater Modeling - WEI	28,448.00
Bill	07/31/2015	2015217-A		2015217-A	7108.32 · HCMP - Adaptive Mgmt Plan	19,977.50
Bill	07/31/2015	2015217-B		2015217-B	7108.31 · Hydraulic Control - PBHSP	2,229.62
TOTAL						186,593.19
Check	09/15/2015	09/15/2015	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	427.48
TOTAL						427.48
Bill Pmt -Check	09/16/2015	18908	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	L0223770		L0223770	7108.7 · Hydraulic Control - Prado Basin	848.00
Bill	08/31/2015	L0223622		L0223622	7108.7 · Hydraulic Control - Prado Basin	848.00
Bill	08/31/2015	L0223769		L0223769	7108.7 · Hydraulic Control - Prado Basin	2,732.00
TOTAL						4,428.00
Bill Pmt -Check	09/16/2015	18909	HOGAN LOVELLS	2922131	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	2922131		Non-Ag Pool Legal Services - July 2015	8567 · Non-Ag Legal Service	7,011.22
TOTAL						7,011.22
P22	Bill Pmt -Check	09/16/2015	18910	IAAP	39342242	1012 · Bank of America Gen'l Ckg
	Bill	09/10/2015	93942242		Annual dues for A. Truong IAAP membership	6111 · Membership Dues
TOTAL						141.00
Bill Pmt -Check	09/16/2015	18911	MILK PRODUCERS COUNCIL		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015			Reimburse conf. call charges-8/05, 8/12 and 8/26	8412 · Meeting Expenses	115.01
TOTAL						115.01
Bill Pmt -Check	09/16/2015	18912	PREMIERE GLOBAL SERVICES	19312408	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	19312408		WM coordination call on 7/27	6909.1 · OBMP Meetings	4.87
				Board agenda call on 7/28	6312 · Meeting Expenses	4.26
				Joe call on 7/29	6141.3 · Admin Meetings	18.44
				Joe call on 8/03	6141.3 · Admin Meetings	24.26
				Pool agenda prep call on 8/03	8512 · Meeting Expense	8.63
				Pool agenda prep call on 8/03	8412 · Meeting Expenses	8.63
				Pool agenda prep call on 8/03	8312 · Meeting Expenses	8.63
				Discuss Tech memo call on 8/05	6909.1 · OBMP Meetings	40.04
				SY drafting session call on 8/06	6906.73 · OBMP-Safe Yield Recalculation	122.28
				WM coordination call on 8/10	6909.1 · OBMP Meetings	21.96
				WE Inc task orders call on 8/10	6909.1 · OBMP Meetings	35.70
				Non-Ag Pool Meeting call on 8/13	8512 · Meeting Expense	31.01

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
				SY drafting session call on 8/14	6906.73 · OBMP-Safe Yield Recalculation	5.82
				SY drafting session call on 8/14	6909.1 · OBMP Meetings	26.43
				WM coordination call on 8/17	6909.1 · OBMP Meetings	15.55
				BHFS call on 8/20	6909.1 · OBMP Meetings	16.40
				SY drafting session call on 8/21	6906.73 · OBMP-Safe Yield Recalculation	4.70
				Draft agendas call on 8/24	8512 · Meeting Expense	39.26
				Draft agendas call on 8/24	8412 · Meeting Expenses	39.26
				Draft agendas call on 8/24	8312 · Meeting Expenses	39.25
				WM coordination call on 8/24	6909.1 · OBMP Meetings	28.29
				Board agenda call on 8/25	6312 · Meeting Expenses	18.75
				SY drafting session call on 8/21	6909.1 · OBMP Meetings	65.58
				General Call Line - Fee	6022 · Telephone	49.00
				Confidential Call Line - Fee	6022 · Telephone	49.00
				Service fees	6022 · Telephone	<u>22.21</u>
TOTAL						748.21
Bill Pmt -Check	09/16/2015	18913	R&D PEST SERVICES	0193177	1012 · Bank of America Gen'l Ckg	
Bill	09/10/2015	019377		Pest control-ant and flea control	6024 · Building Repair & Maintenance	<u>100.00</u>
TOTAL						100.00
Bill Pmt -Check	09/16/2015	18914	SANDERS, LAURA		1012 · Bank of America Gen'l Ckg	
Bill	09/14/2015			Transcript for 8/21/15 Court Hearing	6046 · Legal Publications/Services	<u>384.00</u>
TOTAL						384.00
Bill Pmt -Check	09/16/2015	18915	STATE COMPENSATION INSURANCE FUND	1970970-14	1012 · Bank of America Gen'l Ckg	
Bill	09/14/2015	1970970-14		1970970-14	60183 · Worker's Comp Insurance	<u>841.35</u>
TOTAL						841.35
Bill Pmt -Check	09/16/2015	18916	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	1394905143		Medical Insurance - October	60182.1 · Medical Insurance	<u>6,622.64</u>
TOTAL						6,622.64
Bill Pmt -Check	09/16/2015	18917	CUCAMONGA VALLEY WATER DISTRICT	Lease due October 1, 2015	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015			Lease due October 1, 2015 - new adjusted amount	1422 · Prepaid Rent	<u>6,371.16</u>
TOTAL						6,371.16
Bill Pmt -Check	09/16/2015	18918	EGOSCUE LAW GROUP	11042	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	11042		Ag Pool Legal Services - August 2015	8467 · Ag Legal & Technical Services	<u>53,755.00</u>
TOTAL						53,755.00

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/16/2015	18919	INLAND EMPIRE UTILITIES AGENCY	90016783	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	90016783		Recharge O&M Cost Reimbursement-2nd Quarter	7206 · Comp Recharge-O&M	197,976.87
TOTAL						197,976.87
Bill Pmt -Check	09/16/2015	18920	STAPLES BUSINESS ADVANTAGE	8035898424	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	8035898424		Miscellaneous office supplies	6031.7 · Other Office Supplies	67.20
TOTAL						67.20
Bill Pmt -Check	09/16/2015	18921	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015			Retiree Medical	60182.4 · Retiree Medical	25.76
TOTAL						25.76
Bill Pmt -Check	09/16/2015	18922	THREE VALLEYS MUNICIPAL WATER DIST	October 29, 2015 Leadership Breakfast	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015			October 29, 2015 Leadership Breakfast-Kavounas	6192 · Training & Seminars	20.00
TOTAL						20.00
Bill Pmt -Check	09/16/2015	18923	VERIZON WIRELESS	9751752404	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9751752404		9751752404	6022 · Telephone	298.63
TOTAL						298.63
Bill Pmt -Check	09/17/2015	18924	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/25/2015	8/25 Board Agenda		8/25/15 Board Agenda Call	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/17/2015	18925	KUHN, BOB		1012 · Bank of America Gen'l Ckg	
Bill	08/17/2015	8/17 Admin Mtg		8/17/15 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
Bill	08/25/2015	8/25 Admin Mtg		8/25/15 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	09/17/2015	18926	MONTE VISTA WATER DIST	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2015	8/11 Admin Mtg		8/11/15 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/25/2015	18927	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	614194		614194	6078 · BHFS Legal - Miscellaneous	14,873.40
				Expenses	6907.42 · Safe Yield Recalculation	1,350.00
				Expenses	8575 · BHFS Legal - Non-Ag Pool	49.82
				Expenses	8375 · BHFS Legal - Appropriative Pool	12.46
				Expenses	8475 · BHFS Legal - Agricultural Pool	12.46
				Expenses	6375 · BHFS Legal - Board Meeting	150.00
Bill	08/31/2015	614195		Personnel	6073 · BHFS Legal - Personnel Matters	5,045.85
Bill	08/31/2015	614196		614196	6275 · BHFS Legal - Advisory Committee	725.87

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/31/2015	614197		614197	6375 · BHFS Legal - Board Meeting	4,942.35
Bill	08/31/2015	614198		614198	8375 · BHFS Legal - Appropriative Pool	918.00
Bill	08/31/2015	614199		614199	8475 · BHFS Legal - Agricultural Pool	918.00
Bill	08/31/2015	6141200		6141200	8575 · BHFS Legal - Non-Ag Pool	918.00
Bill	08/31/2015	614201		614201	6071 · BHFS Legal - Court Coordination	1,568.25
Bill	08/31/2015	614202		614202	6077 · BHFS Legal - Party Status Maint	114.75
Bill	08/31/2015	614203		614203	6907.39 · Recharge Master Plan	497.25
Bill	08/31/2015	614204		614204	6907.42 · Safe Yield Recalculation	95,039.55
				Expenses	6375 · BHFS Legal - Board Meeting	157.95
				Expenses	6907.42 · Safe Yield Recalculation	112.11
TOTAL						127,406.07
Bill Pmt -Check	09/25/2015	18928	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	XXXX-XXXX-XXXX-9341		Supplies for 8/06/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	183.56
				Toner for printers	6031.7 · Other Office Supplies	273.26
				Working lunch-Kavounas, Maurizio, Herrema, Slate	6909.1 · OBMP Meetings	58.06
				Supplies for 8/24/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	247.50
				Supplies for 8/26/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	366.40
				Microsoft Support	6057 · Computer Maintenance	499.00
				M2M Cell Modem Connector for Ayala Park	7404 · PE4-Supplies	646.49
				Flight for PK to attend meeting in Sacramento	6191 · Conferences - General	214.50
				Early bird check in for above flight	6191 · Conferences - General	25.00
				Flowers-Board Member Rodriguez' wife's funeral	6312 · Meeting Expenses	179.26
				PK meeting w/Board Member Kinsey	6312 · Meeting Expenses	38.44
				PK meeting w/Bob Kuhn	6312 · Meeting Expenses	13.13
				PK meeting w/Don Pierro	6909.1 · OBMP Meetings	43.10
				PK meeting w/DeJesus	8312 · Meeting Expenses	23.89
				PK meeting w/R. Hoerning	8312 · Meeting Expenses	20.17
				Reg. fee- PK-attend SCWC's 31st Annual Dinner	6193.2 · Conference - Registration Fee	200.00
TOTAL						3,031.76
Bill Pmt -Check	09/25/2015	18929	GREAT AMERICA LEASING CORP.	17562880	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	17562880		Invoice	6043.1 · Ricoh Lease Fee	3,658.40
TOTAL						3,658.40
Bill Pmt -Check	09/25/2015	18930	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	0111802		Employee deductions - September 2015	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	09/25/2015	18931	RON SHELLEY'S AUTOMOTIVE		1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	09/21/2015	7272		Oil change, front brakes for F150 truck	6177 · Vehicle Repairs & Maintenance	551.03
Bill	09/21/2015	7285		Oil change, sensor replacement for Expedition	6177 · Vehicle Repairs & Maintenance	572.81
TOTAL						1,123.84
Bill Pmt -Check	09/25/2015	18932	PITNEY BOWES CREDIT CORPORATION	6684246	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	6684246		Property tax	6044 · Postage Meter Lease	28.64
TOTAL						28.64
Bill Pmt -Check	09/25/2015	18933	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	689.35
TOTAL						689.35
Bill Pmt -Check	09/25/2015	18934	UNITED HEALTHCARE	C0038628765	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	C0038628765		Dental Insurance - October 2015	60182.2 · Dental & Vision Ins	592.21
TOTAL						592.21
Bill Pmt -Check	09/25/2015	18935	VERIZON WIRELESS	9752217971	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	9752217971		9752217971	7103.7 · Grdwtr Qual-Computer Svc	20.08
TOTAL						20.08
Bill Pmt -Check	09/25/2015	18936	LEVEL 3 COMMUNICATIONS	08141339	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2015	08141339		9/10/15-10/09/15	6053 · Internet Expense	1,048.04
TOTAL						1,048.04
Bill Pmt -Check	09/25/2015	18937	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	2015253		2015253	6906.31 · OBMP-Pool, Adv. Board Mtgs	6,927.23
Bill	08/31/2015	2015254		2015254	6906.32 · OBMP-Other General Meetings	104.00
Bill	08/31/2015	2015255		2015255	6906.71 · OBMP-Data Req.-CBWM Staff	3,902.50
Bill	08/31/2015	2015256		2015256	6906.72 · OBMP-Data Req.-Non CBWM Staff	371.00
Bill	08/31/2015	2015257		2015257	6906.22 · Water Rights Compliance Rprting	6,974.50
Bill	08/31/2015	2015258		2015258	6906 · OBMP Engineering Services	1,385.00
Bill	08/31/2015	2015259		2015259	6906.1 · OBMP-Watermaster Model Update	3,385.00
Bill	08/31/2015	2015260		2015260	7103.3 · Grdwtr Qual-Engineering	8,298.75
Bill	08/31/2015	2015261		2015261	7104.3 · Grdwtr Level-Engineering	19,412.67
Bill	08/31/2015	2015262		2015262	7107.2 · Grd Level-Engineering	4,162.13
Bill	08/31/2015	2015263		2015263	7108.3 · Hydraulic Control-Engineering	481.25
Bill	08/31/2015	2015264		2015264	7108.3 · Hydraulic Control-Engineering	701.15
Bill	08/31/2015	2015265		2015265	7108.32 · HCMP - Adaptive Mgmt Plan	9,508.75
Bill	08/31/2015	2015266		2015266	7108.31 · Hydraulic Control - PBHSP	4,039.78
Bill	08/31/2015	2015267		2015267	7109.3 · Recharge & Well - Engineering	2,145.50

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2015

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/31/2015	2015268		2015268	7202.2 · Engineering Svc	6,036.02
Bill	08/31/2015	2015269		2015269	7402 · PE4-Engineering	660.00
Bill	08/31/2015	2015270		2015270	7402.10 · PE4 - MZ1 Pomona Project	14,197.52
Bill	08/31/2015	2015271		2015271	7502 · PE6&7-Engineering	6,420.00
Bill	08/31/2015	2015272		2015272	6906.73 · OBMP-Safe Yield Recalculation	10,271.00
Bill	08/31/2015	2015273		2015273	6910.1 · IRP Groundwater Modeling - WEI	1,982.00
TOTAL						<u>111,365.75</u>
General Journal	09/26/2015	09/26/2015	Payroll and Taxes for 09/13/15-09/26/15	Payroll and Taxes for 09/13/15-09/26/15	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 09/13/15-09/26/15	1012 · Bank of America Gen'l Ckg	21,533.45
				Payroll Taxes for 09/13/15-09/26/15	1012 · Bank of America Gen'l Ckg	7,426.57
			ICMA-RC	457(f) Employee Deductions for 09/13/15-09/26/15	1012 · Bank of America Gen'l Ckg	3,586.68
			ICMA-RC	401(a) Employee Deductions for 09/13/15-09/26/15	1012 · Bank of America Gen'l Ckg	1,121.70
TOTAL						<u>33,668.40</u>
General Journal	09/30/2015	09/30/2015	Wage Works FSA Direct Debits - Sep. 2015	Wage Works FSA Direct Debits - Sep. 2015	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - Sep. 2015	1012 · Bank of America Gen'l Ckg	511.14
				Wage Works FSA Direct Debits - Sep. 2015	1012 · Bank of America Gen'l Ckg	511.14
				Wage Works FSA Direct Debits - Sep. 2015	1012 · Bank of America Gen'l Ckg	76.25
TOTAL						<u>1,098.53</u>
					Total Disbursements:	<u><u>933,571.98</u></u>

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (September 30, 2015)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of September 30, 2015.

Recommendation: Receive and file VISA Check Detail Report for September 30, 2015 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Non-Agricultural Pool: November 12, 2015; Receive and File
Agricultural Pool: November 12, 2015; Receive and File
Appropriative Pool: November 17, 2015; Receive and File
Advisory Committee: November 19, 2015; Receive and File
Watermaster Board: November 19, 2015; Receive and File (Normal Course of Business)

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –
November 12, 2015 – Agricultural Pool –
November 17, 2015 – Appropriative Pool –
November 19, 2015 – Advisory Committee –
November 19, 2015 – Watermaster Board –

BACKGROUND

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

DISCUSSION

The total cash disbursement during the month of September 2015 was \$3,031.76. The payment was processed by check number 18928 dated September 25, 2015. The monthly charges for September 2015 of \$3,031.76 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
 VISA Check Detail Report
 September 2015

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/25/2015	18928	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2015	XXXX-XXXX-XXXX-9341		Supplies for 8/06/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	183.56
				Toner for printers	6031.7 · Other Office Supplies	273.26
				Working lunch-Kavounas, Maurizio, Herrema, Slater	6909.1 · OBMP Meetings	58.06
				Supplies for 8/24/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	247.50
				Supplies for 8/26/15 SY Drafting Group Meeting	6906.73 · OBMP-Safe Yield Recalculation	366.40
				Microsoft Support	6057 · Computer Maintenance	499.00
				M2M Cell Modem Connector for Ayala Park	7404 · PE4-Supplies	646.49
				Flight for PK to attend meeting in Sacramento	6191 · Conferences - General	214.50
				Early bird check in for above flight	6191 · Conferences - General	25.00
				Flowers-Board Member Rodriguez' wife's funeral	6312 · Meeting Expenses	179.26
				PK meeting w/Board Member Kinsey	6312 · Meeting Expenses	38.44
				PK meeting w/Bob Kuhn	6312 · Meeting Expenses	13.13
				PK meeting w/Don Pierro	6909.1 · OBMP Meetings	43.10
				PK meeting w/DeJesus	8312 · Meeting Expenses	23.89
				PK meeting w/R. Hoerning	8312 · Meeting Expenses	20.17
				Reg. fee- PK-attend SCWC's 31st Annual Dinner	6193.2 · Conference - Registration Fee	200.00
					Total Disbursements:	<u>3,031.76</u>

TOTAL

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CHINO BASIN WATERMASTER

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

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through September 30, 2015 - Financial Report B3 (September 30, 2015)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through September 30, 2015.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2015 through September 30, 2015 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Non-Agricultural Pool: November 12, 2015; Receive and File
Agricultural Pool: November 12, 2015; Receive and File
Appropriative Pool: November 17, 2015; Receive and File
Advisory Committee: November 19, 2015; Receive and File
Watermaster Board: November 19, 2015; Receive and File (Normal Course of Business)

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –
November 12, 2015 – Agricultural Pool –
November 17, 2015 – Appropriative Pool –
November 19, 2015 – Advisory Committee –
November 19, 2015 – Watermaster Board –

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2015 through September 30, 2015 is provided to keep all members apprised of the FY 2015/16 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 15.0, 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, 2015 THROUGH SEPTEMBER 30, 2015

Financial Report - B3

WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER OPERATIONS		LAIF VALUE ADJ.	GASB 68 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2015-2016
		APPROPRIATIVE POOL	AG POOL	NON-AG POOL	GROUNDWATER REPLENISHMENT	SB222 FUNDS				
Administrative Revenues:										
Administrative Assessments		-								8,934,215
Interest Revenue		4,681	388	27					5,096	22,050
Mutual Agency Project Revenue	157,349								157,349	157,941
Miscellaneous Income									-	0
Total Revenues	157,349	4,681	388	27	-	-	-	-	162,446	9,114,206
Administrative & Project Expenditures:										
Watermaster Administration	288,507								288,507	1,227,268
Watermaster Board-Advisory Committee	44,921								44,921	222,418
Ag Pool Misc. Expense - Ag Fund									-	400
Pool Administration		13,169	141,657	29,536					184,362	595,933
Optimum Basin Mgmt Administration	518,956								518,956	1,473,093
OBMP Project Costs	808,239								808,239	3,525,355
Debt Service	460,202								460,202	460,200
Basin Recharge Improvements	386,128								386,128	3,472,477
Mutual Agency Project Costs									-	10,000
Total Administrative/OBMP Expenses	333,428	2,173,525	13,169	141,657	29,536	-	-	-	2,691,315	10,987,144
Net Administrative/OBMP Expenses	(176,079)	(2,173,525)								
Allocate Net Admin Expenses To Pools	176,079		127,480	42,812	5,787					
Allocate Net OBMP Expenses To Pools		1,327,196	960,881	322,696	43,619					
Allocate Debt Service to App Pool		460,202	460,202							
Allocate Basin Recharge to App Pool		386,128	386,128							
Agricultural Expense Transfer*			507,165	(507,165)						
Total Expenses	2,455,024	2,455,024	2,455,024	2,455,024	2,455,024	-	-	-	2,691,315	10,987,144
Net Administrative Income	(2,450,343)	(2,450,343)	388	(78,915)	-	-	-	-	(2,528,870)	(1,872,938)
Other Income/(Expense)										
Replenishment Water Assessments										0
Non-Ag Stored Water Purchases										0
Exhibit "G" Non-Ag Pool Water										0
Interest Revenue						1,235			1,235	0
MWD Water Purchases										0
Non-Ag Stored Water Purchases										0
Exhibit "G" Non-Ag Pool Water										0
MWD Water Purchases										0
Groundwater Replenishment										0
LAIF - Fair Market Value Adjustment										0
Other Post-Employment Benefits (OPEB)										0
Refund-Excess Reserves										0
Refund-Recharge Debt										0
Net Other Income/(Expense)	-	-	-	-	-	1,235	-	-	1,235	0
Net Transfers To/(From) Reserves	(2,527,635)	(2,450,343)	388	(78,915)	1,235	-	-	-	(2,527,635)	(1,872,938)
Net Assets, July 1, 2015		6,346,620	481,130	69,774	1,388,080	158,251	3,446	(740,195)	7,707,106	
Net Assets, End of Period		3,896,277	481,519	(9,141)	1,389,314	158,251	3,446	(740,195)	5,179,471	5,179,471
13/14 Assessable Production		100,165,551	33,638,883	4,546,972					138,351,406	
13/14 Production Percentages		72.399%	24.314%	3.287%					100.000%	

Administrative Revenues:
Administrative Assessments
Interest Revenue
Mutual Agency Project Revenue
Miscellaneous Income
Total Revenues

Administrative & Project Expenditures:
Watermaster Administration
Watermaster Board-Advisory Committee
Ag Pool Misc. Expense - Ag Fund
Pool Administration
Optimum Basin Mgmt Administration
OBMP Project Costs
Debt Service
Basin Recharge Improvements
Mutual Agency Project Costs
Total Administrative/OBMP Expenses
Net Administrative/OBMP Expenses
Allocate Net Admin Expenses To Pools
Allocate Net OBMP Expenses To Pools
Allocate Debt Service to App Pool
Allocate Basin Recharge to App Pool

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Other Income/(Expense)
Replenishment Water Assessments
Non-Ag Stored Water Purchases
Exhibit "G" Non-Ag Pool Water
Interest Revenue
MWD Water Purchases
Non-Ag Stored Water Purchases
Exhibit "G" Non-Ag Pool Water
MWD Water Purchases
Groundwater Replenishment
LAIF - Fair Market Value Adjustment
Other Post-Employment Benefits (OPEB)
Refund-Excess Reserves
Refund-Recharge Debt
Net Other Income/(Expense)

Net Transfers To/(From) Reserves

Net Assets, July 1, 2015
Net Assets, End of Period

13/14 Assessable Production
13/14 Production Percentages

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

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015

TO: Pool Committee Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015 - Financial Report B4 (September 30, 2015)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of September 1, 2015 through September 30, 2015.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Non-Agricultural Pool: November 12, 2015; Receive and File

Agricultural Pool: November 12, 2015; Receive and File

Appropriative Pool: November 17, 2015; Receive and File

Advisory Committee: November 19, 2015; Receive and File

Watermaster Board: November 19, 2015; Receive and File (Normal Course of Business)

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –

November 12, 2015 – Agricultural Pool –

November 17, 2015 – Appropriative Pool –

November 19, 2015 – Advisory Committee –

November 19, 2015 – Watermaster Board –

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period September 1, 2015 through September 30, 2015 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST) and 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 15.0, 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
SEPTEMBER 1, 2015 THROUGH SEPTEMBER 30, 2015**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	204,307		
Zero Balance Account - Payroll	\$	-		204,307
Local Agency Investment Fund - Sacramento				7,051,426
TOTAL CASH IN BANKS AND ON HAND			\$	7,256,233
TOTAL CASH IN BANKS AND ON HAND		9/30/2015		8,108,147
		8/31/2015		8,108,147
PERIOD INCREASE (DECREASE)			\$	(851,914)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets: Accounts Receivable			\$	75,302
Assessments Receivable				-
Prepaid Expenses, Deposits & Other Current Assets				(88)
(Decrease)/Increase in Liabilities: Accounts Payable				139,035
Accrued Payroll, Payroll Taxes & Other Current Liabilities				12,105
Long Term Liabilities				867
Transfer to/(from) Reserves				(1,079,136)
PERIOD INCREASE (DECREASE)			\$	(851,914)

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Gov't'l Checking Demand	Zero Balance Account Payroll	Local Agency Investment Funds	Totals
Balances as of 8/31/2015	\$ 500	\$ 606,221	\$ -	\$ 7,501,426	\$ 8,108,147
Deposits	-	531,658	-	-	531,658
Transfers	-	(84,694)	(60,829)	(450,000)	(595,523)
Withdrawals/Checks	-	(848,878)	60,829	-	(788,049)
Balances as of 9/30/2015	\$ 500	\$ 204,307	\$ -	\$ 7,051,426	\$ 7,256,233
PERIOD INCREASE OR (DECREASE)	\$ -	\$ (401,914)	\$ -	\$ (450,000)	\$ (851,914)

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
SEPTEMBER 1, 2015 THROUGH SEPTEMBER 30, 2015**

Financial Report - B4

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
9/21/2015	Withdrawal		\$ (450,000)				
TOTAL INVESTMENT TRANSACTIONS			\$ (450,000)	-			

* The earnings rate for L.A.I.F. is a daily variable rate; 0.32% was the effective yield rate at the Quarter ended September 30, 2015.

**INVESTMENT STATUS
September 30, 2015**

<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	\$ 7,051,426			
TOTAL INVESTMENTS	\$ 7,051,426			

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: November 12, 2015
TO: Pool Committee Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015 -
Financial Report B5 (September 30, 2015)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2015 through September 30, 2015.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2015 through September 30, 2015 as presented.

Financial Impact: Funds disbursed were included in the FY 2015/16 "Amended" Watermaster Budget.

Future Consideration

Non-Agricultural Pool: November 12, 2015; Receive and File
Agricultural Pool: November 12, 2015; Receive and File
Appropriative Pool: November 17, 2015; Receive and File
Advisory Committee: November 19, 2015; Receive and File
Watermaster Board: November 19, 2015; Receive and File (Normal Course of Business)

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –
November 12, 2015 – Agricultural Pool –
November 17, 2015 – Appropriative Pool –
November 19, 2015 – Advisory Committee –
November 19, 2015 – Watermaster Board –

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2015 through September 30, 2015 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 15.0, 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 – SEPTEMBER 2015

Year-To-Date (YTD) for the three months ending September 30, 2015, all but six categories were at or below the projected budget. The categories over budget were Watermaster Legal Services expenses (6070's) which were over budget by \$7,749 or 16.0% as a result of increased miscellaneous legal expenses, additional personnel related expenses, and the unanticipated CCG Motion related legal expenses not budgeted for FY 2015/16; Agricultural Legal Services expenses (8467) which were over budget by \$67,665 or 132.0% as a result of ongoing Safe Yield Redetermination and Reset efforts; Agricultural Pool Meeting Attendance expenses (8470's) which were over budget by \$5,875 or 105.9% as a result of the Agricultural Pool's Special Meetings which were not anticipated when the FY 2015/16 budget was developed; Non-Agricultural Pool's Administrative expenses (8500's) were over budget by \$2,542 or 9.4% as a result of Pool related legal activities; OBMP expenses (6900's) were over budget by \$35,830 or 8.0% as a result of engineering and legal services supporting the ongoing Safe Yield Redetermination and Reset efforts; and Production Monitoring expenses (7100's) which were over budget by \$3,402 or 24.1% as a direct result of ongoing efforts of Watermaster staff in production reporting.

The Watermaster budget for FY 2015/16 is divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, categories might level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$1,842,361 or 42.1% below the (YTD) Budgeted Expenses of \$4,371,231.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2015:

During the month of July 2015, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$1,872,937.85 has been posted to the general ledger accounts. The total amount of \$1,872,937.85 consisted of \$1,686,955.86 from Capital Improvement Projects, \$136,696 from Engineering Services, \$29,285.99 from Chino Hills ASR, and \$20,000 from the Administrative section for the Annual Reports. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2015/16 is \$10,987,143.85 which includes \$1,872,937.85 for the prior years "Carry Over" funding. The Original Approved budget for FY 2015/16 of \$9,114,206 was approved by the Watermaster Board on May 28, 2015 ($\$9,114,206 + \$1,872,937.85 = \$10,987,143.85$).

SALARIES EXPENSE

CURRENT MONTH – SEPTEMBER 2015

As of September 30, 2015, the total (YTD) Watermaster salary expenses were \$8,785 or 2.3% below the (YTD) budgeted amount of \$384,810. The overall staffing budget was developed with a staffing level of nine Full-Time Equivalents (FTE's), and staffing is currently at eight Full-Time Equivalents (FTE's). Watermaster is currently recruiting for the open position of Field Operations Specialist which became

vacant as of August 27, 2015. Currently the field activities and functions normally performed by the Field Operations Specialist are being completed by several other operations staff members. To date, Watermaster has received over 45 applications for the position and staff has interviewed nine possible candidates. Of the nine initial interviewees, three candidates have been selected for the second round of interviews which will be conducted by mid-November. Based upon the results from the second interviews and background and criminal history searches, an offer could be presented to the final candidate no later than November 30, 2015 with a hire date no later than January 4, 2016.

On September 16, 2015, Bianca Ruiz, the Office Specialist/Receptionist was placed on Pregnancy Disability Leave (PDL) by her physician. Sarah Williams, a temporary employee was hired on October 5, 2015 and will fill in for Bianca until her return to Watermaster or until the temporary assignment has reached no more than 1,000 hours. It is estimated that based upon the upcoming holiday schedule and normal work days, the temporary assignment will be completed within the first few weeks of April 2016. Because this position is a temporary assignment and not a full time permanent position, no employee benefits are provided. Employee benefits are defined as medical, dental, vision, life insurance, CalPERS retirement, vacation earned or paid, or holiday time earned or paid). By California state law, sick time is earned/accrued and paid as used.

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 2015/16 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 September 30, 2015. 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 '15 - Sep '15 Actual	Jul '15 - Sep '15 Budget	\$ Over Budget	% of Budget	FY 2015/16 Annual Budget
WM Salary Expense					
6011 · WM Staff Salaries	197,899.08	212,223.00	-14,323.92	93.25%	848,891.00
6017 · Temporary Services	0.00	5,250.00	-5,250.00	0.0%	21,000.00
6017.2 · Office Specialist Services	627.45	0.00	627.45	100.0%	0.00
6201 · Advisory Committee - WM Staff Salaries	4,096.83	5,569.00	-1,472.17	73.57%	22,274.00
6301 · Watermaster Board - WM Staff Salaries	8,901.26	9,220.00	-318.74	96.54%	36,879.00
8301 · Appropriative Pool - WM Staff Salaries	8,162.47	7,430.00	732.47	109.86%	29,719.00
8401 · Agricultural Pool - WM Staff Salaries	6,258.00	6,523.00	-265.00	95.94%	26,090.00
8501 · Non-Agricultural Pool - WM Staff Salaries	4,947.06	3,894.00	1,053.06	127.04%	15,574.00
6901 · OBMP - WM Staff Salaries	58,265.57	31,177.00	27,088.57	186.89%	124,709.00
7101.1 · Production Monitor - WM Staff Salaries	17,351.24	13,949.00	3,402.24	124.39%	55,797.00
7102.1 · In-line Meter - WM Staff Salaries	1,215.23	2,302.00	-1,086.77	52.79%	9,212.00
7103.1 · Grdwater Quality - WM Staff Salaries	5,008.67	13,627.00	-8,618.33	36.76%	54,511.00
7104.1 · Grdwater Level - WM Staff Salaries	16,473.49	10,612.00	5,861.49	155.24%	42,447.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	615.00	-615.00	0.0%	2,464.00
7108.11 · Prado Basin - WM Staff Salaries	1,506.70	2,076.00	-569.30	72.58%	8,305.00
7201 · Comp Recharge - WM Staff Salaries	13,262.09	11,065.00	2,197.09	119.86%	44,259.00
7301 · PE3&5 - WM Staff Salaries	0.00	3,723.00	-3,723.00	0.0%	14,892.00
7401 · PE4 - WM Staff Salaries	0.00	2,260.00	-2,260.00	0.0%	9,042.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	1,686.00	-1,686.00	0.0%	6,743.00
7501 · PE6&7 - WM Staff Salaries	0.00	1,096.00	-1,096.00	0.0%	4,383.00
7601 · PE8&9 - WM Staff Salaries	0.00	3,058.00	-3,058.00	0.0%	12,231.00
Subtotal WM Staff Costs	343,975.14	347,355.00	-3,379.86	99.03%	1,389,422.00
60185 · Vacation	23,554.81	18,119.00	5,435.81	130.0%	72,479.00
60186 · Sick Leave	2,684.61	11,602.00	-8,917.39	23.14%	46,405.00
60187 · Holidays	5,810.66	7,734.00	-1,923.34	75.13%	46,405.00
Subtotal WM Paid Leaves	32,050.08	37,455.00	-5,404.92	85.57%	165,289.00
Total WM Salary Costs	376,025.22	384,810.00	-8,784.78	97.72%	1,554,711.00

**LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES**

CURRENT MONTH – SEPTEMBER 2015

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 2015/16. The "Approved" budget amount was adopted for the amount of \$933,815. The total budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. As of September 30, 2015, 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 \$54,327 or 18.4% above the (YTD) budgeted amount of \$295,254.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's), as of September 30, 2015, was \$7,749 or 16.0% above the budgeted amount of \$48,437. The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Court Coordination (6071) under budget by \$3,473 or 33.9%; Annotated Judgment (6072) under budget by \$10,037 or 100.0%; Interagency Issues (6074) under budget by \$7,650 or 100.0%; and the Party Status Maintenance (6077) under budget by \$6,716 or 93.6%. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the expenses for Personnel Matters (6073) over budget by \$10,156 or 225.7%; Miscellaneous (6078) over budget by \$22,389 or 253.4%; and CCG Motion (6078.12) over budget by \$3,080 or 100.0%.

Personnel Matters: As reported during the previous monthly meetings, Watermaster's legal counsel filed an appeal with CalPERS regarding CalPERS original determination (from February 2013) which rejected the base salary of the former CEO, Desi Alvarez, with regards to his retirement pension benefit. There

have been several filings of appeal and we are awaiting CalPERS determination. On December 9, 2013 CalPERS notified the attorneys of record that the CalPERS Legal Office received the case on November 22, 2013 and we would be notified when the case has been assigned to an attorney who will represent CalPERS regarding the appeal. On February 27, 2014 the case was assigned to Wesley E. Kennedy, Senior Staff Attorney for CalPERS. On July 17, 2014 a document request from CalPERS was received by Watermaster related to the pending case. On August 22, 2014 the specific documents were provided to CalPERS. On September 9, 2014 Watermaster received the Notice of Hearing from CalPERS and the hearing has been scheduled for March 11-13, 2015 at the Glendale CalPERS Regional office. On October 1, 2014 Watermaster received from CalPERS a discovery request for Case No. 2013-1113. On October 31, 2014 Brownstein Hyatt Farber Schreck provided the information to Mr. Kennedy of CalPERS as requested on October 1, 2014. On January 16, 2015 a Prehearing conference along with a Settlement conference was conducted in Los Angeles. On March 2, 2015 a Motion to Continue was granted and the new Administrative Hearing (OAH Case No. 2014080757) was scheduled for November 16-18, 2015 at the Glendale CalPERS Regional Office. On September 28, 2015 the attorney for Mr. Alvarez (Mr. Jensen), at the suggestion of Mr. Kennedy, requested a short continuance of the OAH hearing because CalPERS has scheduled a full Board hearing on the claims of one of Mr. Jensen's clients for November 17, 2015 which is right in the middle of the three-day hearing scheduled for Mr. Alvarez's case. On October 9, 2015, an Order Granting Continuance; Notice of New Hearing Dates was provided by CalPERS. The administrative hearing is now rescheduled for January 4-6, 2016 at the Glendale CalPERS Regional Office. On October 14, 2015 a Notice of Case Reassignment was received from CalPERS providing notice that OAH Case No. 2014080757 has been reassigned from attorney Wesley Kennedy to Preet Kaur, Staff Attorney.

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, 8375, 8475 and 8575). Overall, this category of legal expenses as of September 30, 2015 was \$16,462 or 30.1% below the budgeted amount of \$54,692. 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.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were above the budget for the month. As of September 30, 2015 the category of OBMP legal expenses were \$63,040 or 32.8% above the budgeted amount of \$192,125. The majority of expenses within this OBMP category were under budget (Y-T-D), however, the BHFS Safe Yield Redetermination and Reset legal expenses (6907.42) continue to increase and exceed the monthly budget. As of September 30, 2015, the Safe Yield Redetermination and Reset legal expenses were \$146,921 or 142.2% above the budgeted amount of \$103,300. It should be noted that the 12-month annual legal budget for the Safe Yield Redetermination and Reset category was approved at an amount of \$103,300 and anticipated to be allocated within the first six months of the FY 2015/16 (July 2015 – December 2015). The approved BHFS legal budget anticipated 230 labor hours for consolidated legal staff time with regards to the Safe Yield Redetermination and Reset effort.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of September 30, 2015 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 '15 - Sep '15 Actual	Jul '15 - Sep '15 Budget	\$ Over Budget	% of Budget	FY 2015/16 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	6,764.85	10,238.00	-3,473.15	66.08%	40,950.00
6072 · BHFS Legal - Annotated Judgment	0.00	10,037.00	-10,037.00	0.0%	40,150.00
6073 · BHFS Legal - Personnel Matters	14,656.05	4,500.00	10,156.05	325.69%	80,700.00
6074 · BHFS Legal - Interagency Issues	0.00	7,650.00	-7,650.00	0.0%	30,600.00
6076 · BHFS Legal - Storage Issues	0.00	0.00	0.00	0.0%	0.00
6077 · BHFS Legal - Party Status Maintenance	459.00	7,175.00	-6,716.00	6.4%	28,700.00
6078 · BHFS Legal - Miscellaneous (Note 1)	31,226.00	8,837.00	22,389.00	353.36%	35,350.00
6078.12 · BHFS Legal - CCG Motion	3,079.82	0.00	3,079.82	100.0%	0.00
Total 6070 · Watermaster Legal Services	56,185.72	48,437.00	7,748.72	116.0%	256,450.00
6275 · BHFS Legal - Advisory Committee	3,479.00	5,100.00	-1,621.00	68.22%	20,400.00
6375 · BHFS Legal - Board Meeting	20,468.10	26,642.00	-6,173.90	76.83%	106,565.00
8375 · BHFS Legal - Appropriative Pool	4,834.97	7,650.00	-2,815.03	63.2%	30,600.00
8475 · BHFS Legal - Agricultural Pool	4,575.79	7,650.00	-3,074.21	59.81%	30,600.00
8575 · BHFS Legal - Non-Ag Pool	4,872.32	7,650.00	-2,777.68	63.69%	30,600.00
Total BHFS Legal Services	38,230.18	54,692.00	-16,461.82	69.9%	218,765.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	6,125.00	-6,125.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	6,125.00	-6,125.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	12,225.00	-12,225.00	0.0%	48,900.00
6907.34 · Santa Ana River Water Rights	869.85	6,325.00	-5,455.15	13.75%	25,300.00
6907.36 · Santa Ana River Habitat	783.00	4,925.00	-4,142.00	15.9%	19,700.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	3,587.50	-3,587.50	0.0%	14,350.00
6907.39 · Recharge Master Plan	956.25	17,025.00	-16,068.75	5.62%	68,100.00
6907.40 · Storage Agreements	535.50	21,525.00	-20,989.50	2.49%	86,100.00
6907.41 · Prado Basin Habitat Sustainability	1,800.00	3,587.50	-1,787.50	50.17%	14,350.00
6907.42 · Safe Yield Recalculation	250,220.52	103,300.00	146,920.52	242.23%	103,300.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	7,375.00	-7,375.00	0.0%	29,500.00
Total 6907 · WM Legal Counsel	255,165.12	192,125.00	63,040.12	132.81%	458,600.00
Total Brownstein, Hyatt, Farber, Schreck Costs	349,581.02	295,254.00	54,327.02	118.4%	933,815.00

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, 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; (7) Review transfer documents; (8) Land Subsidence Committee reports/meetings; (9) Review process and criteria for re-appointment of the Watermaster 9 member Board; (10) Review current California issued drought regulations; (11) Review and comment on Waters of the United States rule making; (12) Review and draft documents for basin boundary regulations; and (13) Miscellaneous legal research on current and pending issues.

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – SEPTEMBER 2015

Reviewing in total the OBMP Engineering Services and Legal Costs (consolidating the four categories of OBMP Watermaster Staff and SAWPA, OBMP Engineering Services, OBMP Legal Costs, and OBMP Other Expenses) for the three month period ending September 30, 2015, the actual expenses of \$482,067 were above the budgeted amount of \$446,237 by \$35,830 or 8.0%. For a detailed discussion, the following is provided.

For September 30, 2015, the accounts 6901-6903 (Optimum Basin Mgmt Program) section was above the Year-To-Date (YTD) budget by \$26,748 or 61.2%. 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 and less time on administrative related tasks. As a result, Watermaster staff allocated more actual time to the OBMP project as budgeted, which resulted in an over budget variance of \$27,089 or

86.9%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2015/16 Basin Monitoring Program Task Force Contribution which was budgeted at \$12,500 but actual expenses were billed at \$12,159 which was below the budget by \$341 or 2.7% as of September 30, 2015.

For September 30, 2015, the accounts 6906 (Optimum Basin Mgmt Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$51,372 or 24.8%. For FY 2015/16, the OBMP-Safe Yield Redetermination and Reset expenses (6906.73) did not have a budget amount assigned. For the month of September 2015, there were OBMP-Safe Yield Redetermination and Reset expenses of \$38,543 recorded under this account. As a result, the account was over budget by \$71,905 or 100.0%. The OBMP-Watermaster Model Update and the Material Physical Injury Request expenses had a budget provided for the month, but there was a small amount of activity and Engineering expenses recorded for this period. These two expenses, along with several other engineering related line items within the (6906's) assisted in reducing the overall budget variance and is a large factor as to why this expense category was under budget for the month.

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 \$146,921 while some other line item activities were below the budget by \$83,881. Above the budget line items were the Safe Yield Redetermination and Reset of \$146,921. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$6,125; the Chino Airport Plume of \$6,125; the Desalter/Hydraulic Control of \$12,225; the Santa Ana River Water Rights of \$5,455; the Santa Ana River Habitat of \$4,142; the Regional Water Quality Control Board of \$3,588; the Recharge Master Plan of \$16,069; Storage Agreements of \$20,990; the Prado Basin Habitat Sustainability of \$1,787; and the WM Unanticipated of \$7,375. For the three months ended September 30, 2015, the overall cumulative (YTD) budget was \$192,125 and the actual (BHFS) legal expenses totaled \$255,165 which resulted in an over budget variance of \$63,040 or 32.8%.

As mentioned in the Brownstein Hyatt Farber Schreck section, the annual legal budget for the Safe Yield Redetermination and Reset was approved at an amount of \$103,300. The approved BHFS legal budget anticipated 230 labor hours for consolidated legal staff time with regards to the Safe Yield Redetermination and Reset effort. The budget assumed these expenses would be recorded during the period of July 2015 through December 2015.

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 September 30, 2015 this category of expenses was \$2,816 or 83.4% below the budgeted amount of \$3,375.

The Integrated Resource Plan expenses (6910's) is billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the contract. As of September 30, 2015 this category of expenses was fully invoiced to IEUA in the amount of \$30,430.

Overall, the Optimum Basin Management Program (OBMP) category was \$482,067 compared to a (YTD) budget of \$446,237 for an over budget of \$35,830 or 8.0% as of September 30, 2015.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of September 30, 2015 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 '15 - Sep '15 Actual	Jul '15 - Sep '15 Budget	\$ Over Budget	% of Budget	FY 2015/16 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	58,265.57	31,177.00	27,088.57	186.89%	124,709.00
6903 · OBMP SAWPA Group	12,159.00	12,500.00	-341.00	97.27%	12,500.00
Total 6901-6903 · OBMP WM Staff/SAWPA	70,424.57	43,677.00	26,747.57	161.24%	137,209.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	19,006.25	93,113.32	-74,107.07	20.41%	279,340.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	15,593.75	6,100.97	9,492.78	255.6%	24,404.00
6906.23 · SGMA Reporting Requirements	0.00	4,348.03	-4,348.03	0.0%	17,392.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	20,396.16	21,914.75	-1,518.59	93.07%	87,659.00
6906.32 · OBMP - Other General Meetings	1,173.10	8,219.25	-7,046.15	14.27%	32,877.00
6906.33 · OBMP - App. Pool Issue Resolution	0.00	13,741.00	-13,741.00	0.0%	54,964.00
6906.71 · OBMP - Data Requests - CBWM Staff	15,911.50	16,016.00	-104.50	99.35%	64,064.00
6906.72 · OBMP - Data Requests - Non CBWM	5,542.25	9,552.00	-4,009.75	58.02%	38,208.00
6906.73 · OBMP - Safe Yield Recalculation	71,905.21	0.00	71,905.21	100.0%	0.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	0.00	27,575.00	-27,575.00	0.0%	110,300.00
6906 · OBMP Engineering Services - Other	6,160.50	6,480.00	-319.50	95.07%	25,920.00
Total 6906 · OBMP Engineering Services	155,688.72	207,060.32	-51,371.60	75.19%	735,128.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	6,125.00	-6,125.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	6,125.00	-6,125.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	12,225.00	-12,225.00	0.0%	48,900.00
6907.34 · Santa Ana River Water Rights	869.85	6,325.00	-5,455.15	13.75%	25,300.00
6907.36 · Santa Ana River Habitat	783.00	4,925.00	-4,142.00	15.9%	19,700.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	3,587.50	-3,587.50	0.0%	14,350.00
6907.39 · Recharge Master Plan	956.25	17,025.00	-16,068.75	5.62%	68,100.00
6907.40 · Storage Agreements	535.50	21,525.00	-20,989.50	2.49%	86,100.00
6907.41 · Prado Basin Habitat Sustainability	1,800.00	3,587.50	-1,787.50	50.17%	14,350.00
6907.42 · Safe Yield Recalculation	250,220.52	103,300.00	146,920.52	242.23%	103,300.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	7,375.00	-7,375.00	0.0%	29,500.00
Total 6907 · WM Legal Counsel	255,165.12	192,125.00	63,040.12	132.81%	458,600.00
Total 6907 · OBMP Legal Fees	255,165.12	192,125.00	63,040.12	132.81%	458,600.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	558.65	375.00	183.65	148.97%	1,500.00
6909.3 · Other OBMP Expenses	0.00	500.00	-500.00	0.0%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	2,500.00	-2,500.00	0.0%	10,000.00
Total 6909 · OBMP Other Expenses	558.65	3,375.00	-2,816.35	16.55%	13,500.00
6910 · Integrated Resource Plan					
6910.1 · IRP Groundwater Modeling - WEI	30,660.00	0.00	30,660.00	100.0%	0.00
6910.15 · IRP Groundwater Modeling - IEUA	-30,430.00	0.00	-30,430.00	100.0%	0.00
Total 6910 · Integrated Resource Plan	230.00	0.00	230.00	100.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	482,067.06	446,237.32	35,829.74	108.03%	1,344,437.00

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

CURRENT MONTH – SEPTEMBER 2015

As of September 30, 2015, the total (YTD) Engineering Services expenses were \$341,946 or 41.9% below the (YTD) budget amount of \$815,210. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all (Under) budget as of September 30, 2015.

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 ECAC report for the

current fiscal year will be provided for the period ending September 30, 2015. Watermaster does not expect any required Budget Transfers or Budget Amendments once the ECAC Report is issued.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2015:

The breakdown of the total FY 2015/16 Task Order amount of \$2,595,942 includes direct labor costs for Wildermuth Environmental, Inc. (80%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (20%).

The approved "Original" Engineering Services budget of \$2,595,942 was increased by "Carry Over" funding in the amount of \$136,696 to the "Amended" amount of \$2,732,638 for FY 2015/16 as provided in the Engineering Services Task Order. The "Carry Over" amount of \$136,696 from FY 2014/15 to the FY 2015/16 budget are expenses related to the ongoing long-term pumping test (\$9,813 for account 7107.2 and \$34,770 for account 7107.6), the PBHSP monitoring program (\$12,127 for account 7108.31 and \$35,986 for account 7108.41), the hydraulic control monitoring program Adaptive Management Plan (\$33,000 for account 7107.8), and expenses related to the upload of GeoTracker and EnviroStor data (\$11,000 for account 7502). 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 2015/16 timeframe.

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 September 30, 2015. 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 '15 - Sep '15 Actual	Jul '15 - Sep '15 Budget	\$ Over Budget	% of Budget	FY 2015/16 Annual Budget
6906 · OBMP Engineering Services - Other	6,160.50	6,480.00	-319.50	95.07%	25,920.00
6906.1 · OBMP - Watermaster Model Update	19,006.25	93,113.32	-74,107.07	20.41%	279,340.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	15,593.75	6,100.97	9,492.78	255.6%	24,404.00
6906.23 · SGMA Reporting Requirements	0.00	4,348.03	-4,348.03	0.0%	17,392.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	20,396.16	21,914.75	-1,518.59	93.07%	87,659.00
6906.32 · OBMP - Other General Meetings	1,173.10	8,219.25	-7,046.15	14.27%	32,877.00
6906.33 · OBMP - App. Pool Issue Resolution	0.00	13,741.00	-13,741.00	0.0%	54,964.00
6906.71 · OBMP - Data Requests - CBWM Staff	15,911.50	16,016.00	-104.50	99.35%	64,064.00
6906.72 · OBMP - Data Requests - Non CBWM	5,542.25	9,552.00	-4,009.75	58.02%	38,208.00
6906.73 · OBMP - Safe Yield Recalculation	71,905.21	0.00	71,905.21	100.0%	0.00
6906.74 · OBMP - Mat'l Physical Injury Requests	0.00	27,575.00	-27,575.00	0.0%	110,300.00
7103.3 · Grdwtr Qual-Engineering	28,224.64	30,129.00	-1,904.36	93.68%	120,516.00
7103.5 · Grdwtr Qual-Lab Svcs	25,498.00	14,301.25	11,196.75	178.29%	39,205.00
7104.3 · Grdwtr Level-Engineering	47,952.06	44,107.50	3,844.56	108.72%	176,430.00
7104.8 · Grdwtr Level-Contracted Services	0.00	2,500.00	-2,500.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	3,500.00	-3,500.00	0.0%	7,000.00
7107.2 · Grd Level-Engineering	13,139.99	21,446.50	-8,306.51	61.27%	56,347.00
7107.3 · Grd Level-SAR Imagery	12,000.00	21,250.00	-9,250.00	56.47%	85,000.00
7107.6 · Grd Level-Contract Svcs	331.50	63,842.25	-63,510.75	0.52%	151,059.00
7107.8 · Grd Level-Capital Equipment	0.00	1,400.00	-1,400.00	0.0%	5,600.00
7108.3 · Hydraulic Control-Engineering	6,926.49	12,492.00	-5,565.51	55.45%	49,968.00
7108.31 · Hydraulic Control-PBHSP	16,874.35	41,381.75	-24,507.40	40.78%	129,146.00
7108.32 · Hydraulic Control-Adaptive Mgmt Plan	38,512.08	35,544.00	2,968.08	108.35%	43,176.00
7108.4 · Hydraulic Control-Lab Svcs	2,032.00	6,270.25	-4,238.25	32.41%	25,081.00
7108.41 · Hydraulic Control-PBHSP	10,746.00	39,263.50	-28,517.50	27.37%	49,096.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	22,500.00	-22,500.00	0.0%	90,000.00
7108.7 · Hydraulic Control-Prado Basin Habitat	4,428.00	0.00	4,428.00	100.0%	0.00
7109.3 · Recharge & Well - Engineering	2,145.50	4,966.75	-2,821.25	0.0%	19,867.00
7202.2 · Comp Recharge-Engineering Services	11,919.63	39,876.00	-27,956.37	29.89%	159,504.00
7303 · PE3&5-Engineering - Other	0.00	5,846.00	-5,846.00	0.0%	23,384.00
7402 · PE4-Engineering	4,316.25	21,177.00	-16,860.75	20.38%	84,708.00
7402.10 · PE4-MZ1 Pomona Project	77,796.47	126,563.75	-48,767.28	61.47%	506,255.00
7403 · PE4-Contract Svcs	0.00	5,000.00	-5,000.00	0.0%	20,000.00
7502 · PE6&7-Engineering	14,732.25	28,710.00	-13,977.75	51.31%	81,840.00
7602 · PE8&9-Engineering	0.00	16,082.00	-16,082.00	0.0%	64,328.00
Total Engineering Services Costs	473,263.93	815,209.82	-341,945.89	58.05%	2,732,638.00 *

* Wildermuth and Subcontractor Engineering Budget of \$2,595,942 plus Carryover Funds from FY 2014/15 of \$136,696 = \$2,732,638
Carryover Funds from FY 2014/15 = \$9,813 (7107.2); \$34,770 (7107.6); \$12,127 (7108.31); \$35,986 (7108.41); \$33,000 (7108.7); and \$11,000 (7502) = \$136,696

PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

The Prado Basin Habitat Sustainability Program came about as a result of the Peace II Agreement SEIR mitigation measure 4.4-3 and was adopted by IEUA's Board in October, 2010. The purpose of the mitigation measure is to ensure that the Prado Basin riparian habitat will not be impacted by Hydraulic Control. The basic program tasks are to convene a committee that will develop this adaptive management plan, to install necessary monitoring wells, to complete vegetation and aerial surveys, and to implement photo station monitoring. In terms of the financial aspects of this program, there is a cost sharing agreement, which was approved by the Watermaster Board in September, 2012 for a total budget of \$440,000. The cost sharing agreement between IEUA and Watermaster was increased from \$220,000 to \$300,000 effective August 22, 2013 with the approval of the Board. This is a 50/50 cost sharing agreement between Watermaster and IEUA with a not to exceed amount of \$300,000 for each party. Included in that cost is hiring a consultant to develop the adaptive management plan, WEI performing the project management tasks related to the monitoring well installation, hiring a contractor to construct and install up to seventeen monitoring wells at nine separate sites, and United States Bureau of Reclamation

performing vegetation monitoring every three years. Grants have been applied for to offset the cost of this program; however, the Grants were not approved.

The process of invoicing IEUA for their 50% portion of the (WEI) invoices will be completed by Watermaster staff at the end of every quarter. The information listed below is provided for the period of May 1, 2012 through September 30, 2015:

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster	Watermaster Staff "Hours"	Watermaster Staff "Costs"
May 2012 - Jun. 2012	\$ 11,143.75	\$ (5,571.88)	\$ -	\$ 5,571.88	4.00	\$ 411.38
Jul. 2012 - Jun. 2013	\$ 120,945.28	\$ (60,472.64)	\$ 6,275.92	\$ 66,748.56	73.00	\$ 7,837.27
Jul. 2013 - Jun. 2014	\$ 21,722.09	\$ (10,861.05)	\$ 474.09	\$ 11,335.14	56.00	\$ 5,719.30
Jul. 2014 - Jun. 2015	\$ 198,138.44	\$ (99,069.22)	\$ -	\$ 99,069.22	9.00	\$ 1,141.63
Jul. 2015 - Sep. 2015	\$ 4,428.00	\$ (2,214.00)	\$ -	\$ 2,214.00	12.00	\$ 1,506.70
Totals	\$ 356,377.56	\$ (178,188.78)	\$ 6,750.01	\$ 184,938.79	154.00	\$ 16,616.28
	7108.7	7108.71, 7108.72	7108.75			7108.11

OTHER INCOME AND EXPENSE

There were no other significant items to report within the category of Other Income and Expenses for the month ending September 30, 2015.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2015:

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 2015/16 annual administrative fee invoice was issued on July 1, 2015 in the amount of \$157,349.47 under invoice number DYY 15-01. On August 3, 2015 payment in the amount of \$157,349.47 was received from The Metropolitan Water District of Southern California.

"CARRY OVER" FUNDING

CURRENT MONTH – SEPTEMBER 2015

As of September 30, 2015, the total (YTD) amount remaining of the "Carried Over" funding is \$1,872,937.85 (\$1,872,937.85 - \$371,874.45 = \$1,501,063.40). The following details are provided:

"Carried Over" Expenses At June 30, 2015

			GL Account		
Printing - Annual Report	\$ 5,000.00	A	6045	FY 2014/15	ADM
Rauch Communication Consultants - Annual Report	\$ 15,000.00	B	6061.3	FY 2014/15	ADM
Ground Level Monitoring - Engineering	\$ 9,813.00	C	7107.2 ¹	FY 2014/15	ENG
Ground Level - Contracted Services	\$ 34,770.00	D	7107.6 ¹	FY 2014/15	ENG
Chino Hills ASR Project	\$ 29,285.99	E	7107.62	FY 2014/15	ASR
Hydraulic Control Engineering - PBHSP	\$ 12,127.00	F	7108.31 ²	FY 2014/15	ENG
Hydraulic Control Monitoring Lab Services - PBHSP	\$ 35,986.00	G	7108.41 ²	FY 2014/15	ENG
Hydraulic Control Monitoring - Adaptive Mgmt Plan	\$ 33,000.00	H	7108.32 ³	FY 2014/15	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	I	7209.1	FY 2014/15	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	J	7209.2	FY 2014/15	PROJ
PE 6&7 - Engineering Services	\$ 11,000.00	K	7502 ⁴	FY 2014/15	ENG
Hickory Basin Recharge Improvement Project	\$ 3,877.00	L	7690.3	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 475,000.00	M	7690.4	FY 2014/15	PROJ
CB20 Turnout Noise Abatement Project	\$ 80,000.00	N	7690.5	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 383,200.00	O	7690.61	FY 2014/15	PROJ
SCADA Communication Upgrades (TO #3)	\$ 547,500.00	P	7690.62	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 75,000.00	Q	7690.7	FY 2014/15	PROJ
Lower Day Basin RMPU (TO #2)	\$ 49,000.00	R	7690.8	FY 2014/15	PROJ
Total Balance, June 30, 2015	\$ 1,872,937.85				

"Carried Over" Balance, July 1, 2015 \$ 1,872,937.85

Less: (Invoices Received To Date FY 2015/16)

Hydraulic Control Monitoring - Adaptive Mgmt Plan	\$ (33,000.00)	H	7108.32 ³	FY 2014/15	ENG
San Sevaine Recharge Improvement Project (TO #8)	\$ (111,118.08)	M	7690.4	FY 2014/15	PROJ
CB20 Turnout Noise Abatement Project	\$ (25,207.74)	N	7690.5	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ (56,514.47)	O	7690.61	FY 2014/15	PROJ
SCADA Communication Upgrades (TO #3)	\$ (97,034.16)	P	7690.62	FY 2014/15	PROJ
Lower Day Basin RMPU (TO #2)	\$ (49,000.00)	R	7690.8	FY 2014/15	PROJ
Updated Balance as of September 30, 2015	\$ 1,501,063.40				

¹ Long-Term Pumping Test

² Prado Basin Habitat Sustainability Program monitoring program

³ Adaptive Management Plan

⁴ Upload GeoTracker and EnviroStor sites

BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2014/15 period as of June 30, 2015 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 2015/16 budget. The Total "Carry Over" funding amount of \$1,872,937.852 was posted to the accounts as of September 30, 2015. The total amount of \$1,872,937.85 consisted of \$1,686,955.86 from Capital Improvement Projects; \$136,696.00 from Engineering Services; \$29,285.99 from the Chino Hills ASR Project; and \$20,000.00 from the Administration budget for completion of the Annual Reports.

Several projects were completed during FY 2014/15 and have remaining funds available to be either (1) transferred to other project(s) that need additional funding, (2) keep amounts on reserve for future Capital Improvement Projects, or (3) refunded back to the Appropriative Pool when the Assessment package is

invoiced. The funding amounts available are as follows: Jurupa Pumping Station in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept in the amount of \$35,397.53 (account 7209.2); and Hickory Basin Recharge Improvement Project in the amount of \$3,877.00 (account 7690.3). The total amount available is \$77,255.86 ($\$37,981.33 + \$35,397.53 + \$3,877.00 = \$77,255.86$).

The San Sevaire Recharge Improvement Project-Task Order #8 has a remaining funded budget balance of \$475,000 in account (7690.4); the CB 20 Turnout project has a remaining funded budget balance of \$80,000 in account (7690.5); the GWR SCADA Upgrades-Task Order #4 has a remaining funded budget balance of \$383,200 in account (7960.61); the SCADA Communication Upgrades-Task Order #3 has a remaining funded budget balance of \$547,500 in account (7690.62); the Upper Santa Ana River HCP-Task Order #7 has a remaining funded balance of \$75,000 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 has a remaining funded budget balance of \$49,000 in account (7690.8). The total funded budget for these combined projects is \$1,609,700.

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2014/15 in several accounts totaling \$136,696 were "Carried Over" into the current FY 2015/16 budget. These funds were from the Ground Level Monitoring-Engineering (7107.2) in the amount of \$9,813; Ground Level Monitoring-Contracted Services (7107.6) in the amount of \$34,770; Hydraulic Control Monitoring-Engineering-PBHSP (7108.31) in the amount of \$12,127; Hydraulic Control Monitoring-Lab Services-PBHSP (7108.41) in the amount of \$35,986; Hydraulic Control Monitoring-Adaptive Management Plan (7108.7) in the amount of \$33,000; and Cooperative Efforts/Salt Management Engineering Services (7502) in the amount of \$11,000.

The ongoing Chino Hills ASR Project continues into FY 2015/16 and previous years funding of \$29,285.99 has been carried over into account (7107.62).

Unspent funds of \$20,000 related to the ongoing Annual Reports for development, production, and printing from the Administrative budget from FY 2014/15 from two accounts were "Carried Over" into the current FY 2015/16 budget. These funds were from the Printing-Annual Report (6045) in the amount of \$5,000; and Rauch Communication Consultants-Annual Report (6061.3) in the amount of \$15,000.

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 September 30, 2016, any remaining balances of the FY 2015/16 and prior years funding (if any), along with any new FY 2015/16 expenses, will then be "Carried Over" into the FY 2016/17 budget.

AUDIT FIELD WORK

FY 2014/15

Auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on August 10 and August 11. This was the final field work and the start of the development of the audited financial reports and statements for FY 2014/15. The initial field work was completed on June 15 and June 16, 2015 for the FY 2014/15 financial audit. The presentation of the "Draft" Annual Financial and Audit Reports to the Watermaster Board by the Senior Manager of Fedak & Brown LLP is tentatively scheduled for November 19, 2015. The "Final" Annual Financial and Audit Reports for FY 2014/15 are tentatively scheduled to be posted to the Watermaster website no later than December 18, 2015.

ASSESSMENT INVOICING

CURRENT MONTH – SEPTEMBER 2015

The Assessment Package is tentatively scheduled to be presented and approved by the Watermaster Board at the November 19, 2015 meeting.

ATTACHMENTS

1. Financial Report - B5

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	1/12th (8.33%) of the Total Budget				3/12th (25%) of the Total Budget				100% of the Total Budget			
	For The Month of September 2015				Year-To-Date as of September 30, 2015				Fiscal Year End as of June 30, 2016			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget
Income												
4010 · Local Agency Subsidies	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	157,941.00	157,941.00	0.00	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	157,349.47	157,941.00	-591.53	99.63%	8,637,418.00	8,637,418.00	0.00	100.0%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	296,797.00	296,797.00	0.00	100.0%
4700 · Non Operating Revenues	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	22,050.00	22,050.00	0.00	100.0%
4900 · Miscellaneous Income	5,096.09	5,512.00	-415.91	92.45%	5,096.09	5,512.00	-415.91	92.45%	0.00	0.00	0.00	0.0%
Total Income	5,096.09	5,512.00	-415.91	92.45%	162,445.56	163,453.00	-1,007.44	99.38%	9,114,206.00	9,114,206.00	0.00	100.0%
Gross Profit	5,096.09	5,512.00	-415.91	92.45%	162,445.56	163,453.00	-1,007.44	99.38%	9,114,206.00	9,114,206.00	0.00	100.0%
Expense												
6010 · Admin. Salary/Benefit Costs	60,326.21	70,588.00	-10,261.79	85.46%	177,367.72	218,295.00	-40,927.28	81.25%	880,591.00	880,591.00	0.00	100.0%
6020 · Office Building Expense	9,262.72	9,401.00	-138.28	98.53%	25,413.21	28,095.00	-2,681.79	90.46%	110,381.00	110,381.00	0.00	100.0%
6030 · Office Supplies & Equip.	2,173.71	3,130.00	-956.29	69.45%	6,483.73	8,390.00	-1,906.27	77.28%	32,560.00	32,560.00	0.00	100.0%
6040 · Postage & Printing Costs	4,071.04	3,953.00	118.04	102.99%	11,676.67	16,358.00	-4,681.33	71.38%	60,032.00	60,032.00	0.00	100.0%
6050 · Information Services	9,083.43	11,820.00	-2,736.57	76.85%	33,557.76	36,710.00	-3,152.24	91.41%	131,840.00	131,840.00	0.00	100.0%
6060 · Contract Services	82.50	3,000.00	-2,917.50	2.75%	4,784.50	30,500.00	-25,715.50	15.69%	55,600.00	55,600.00	0.00	100.0%
6070 · Watermaster Legal Services	16,290.45	16,147.00	143.45	100.89%	56,185.72	48,437.00	7,748.72	116.0%	256,450.00	256,450.00	0.00	100.0%
6080 · Insurance	0.00	0.00	0.00	0.0%	26,194.25	26,776.00	-581.75	97.83%	27,916.00	27,916.00	0.00	100.0%
6110 · Dues and Subscriptions	141.00	500.00	-359.00	28.2%	8,935.35	10,068.00	-1,132.65	88.75%	21,335.00	21,335.00	0.00	100.0%
6140 · WM Admin Expenses	90.66	75.00	15.66	120.88%	402.27	825.00	-422.73	48.76%	2,700.00	2,700.00	0.00	100.0%
6150 · Field Supplies	0.00	250.00	-250.00	0.0%	183.60	950.00	-766.40	19.33%	1,450.00	1,450.00	0.00	100.0%
6170 · Travel & Transportation	2,875.16	2,725.00	150.16	105.51%	6,219.32	6,330.00	-110.68	98.25%	25,320.00	25,320.00	0.00	100.0%
6190 · Conferences & Seminars	2,168.70	4,258.00	-2,089.30	50.93%	4,597.45	8,075.00	-3,477.55	56.93%	22,400.00	22,400.00	0.00	100.0%
6200 · Advisory Comm - WM Board	3,235.50	3,582.00	-346.50	90.33%	7,575.83	10,919.00	-3,343.17	69.38%	43,674.00	43,674.00	0.00	100.0%
6300 · Watermaster Board Expenses	15,447.00	14,802.00	645.00	104.36%	37,345.48	44,687.00	-7,341.52	83.57%	178,744.00	178,744.00	0.00	100.0%
8300 · Appr PI-WM & Pool Admin	5,064.55	11,262.00	-6,197.45	44.97%	13,168.72	34,017.00	-20,848.28	38.71%	136,069.00	136,069.00	0.00	100.0%
8400 · Agri Pool-WM & Pool Admin	4,279.36	4,907.00	-627.64	87.21%	11,317.16	14,923.00	-3,605.84	75.84%	59,690.00	59,690.00	0.00	100.0%
8467 · Ag Legal & Technical Services	28,727.50	17,083.00	11,644.50	168.16%	118,915.00	51,250.00	67,665.00	232.03%	205,000.00	205,000.00	0.00	100.0%
8470 · Ag Meeting Attend -Special	1,850.00	1,850.00	0.00	100.0%	11,425.00	5,550.00	5,875.00	205.86%	22,200.00	22,200.00	0.00	100.0%
8471 · Ag Pool Expense	0.00	16,250.00	-16,250.00	0.0%	0.00	16,250.00	-16,250.00	0.0%	65,000.00	65,000.00	0.00	100.0%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	0.00	100.00	-100.00	0.0%	400.00	400.00	0.00	100.0%
8500 · Non-Ag PI-WM & Pool Admin	16,544.00	8,958.00	7,586.00	184.68%	29,535.99	26,994.00	2,541.99	109.42%	107,974.00	107,974.00	0.00	100.0%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-21,562.82	-33,442.00	11,879.18	64.48%	-73,494.45	-100,327.00	26,832.55	73.26%	-401,307.00	-401,307.00	0.00	100.0%
6900 · Optimum Basin Mgmt Plan	157,032.73	109,826.45	47,206.28	142.98%	482,067.06	446,237.32	35,829.74	108.03%	1,344,437.00	1,344,437.00	0.00	100.0%
6950 · Mutual Agency Projects	0.00	0.00	0.00	0.0%	0.00	10,000.00	-10,000.00	0.0%	10,000.00	10,000.00	0.00	100.0%
9501 · G&A Expenses Allocated-OBMP	10,467.78	10,721.33	-253.55	97.64%	36,889.10	32,164.00	4,725.10	114.69%	128,656.00	128,656.00	0.00	100.0%
7101 · Production Monitoring	4,587.83	4,569.50	18.33	100.4%	17,538.74	14,136.50	3,402.24	124.07%	56,547.00	56,547.00	0.00	100.0%
7102 · In-line Meter Installation	1,215.23	5,566.92	-4,351.69	21.83%	2,630.55	16,770.75	-14,140.20	15.69%	67,087.00	67,087.00	0.00	100.0%
7103 · Grdwtr Quality Monitoring	40,733.42	19,722.24	21,011.18	206.54%	59,137.28	59,584.75	-447.47	99.25%	220,342.00	220,342.00	0.00	100.0%
7104 · Gdwtr Level Monitoring	20,651.81	24,193.00	-3,541.19	85.36%	64,425.55	64,657.00	-231.45	99.64%	247,627.00	247,627.00	0.00	100.0%
7105 · Sur Wtr Qual Monitoring	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7107 · Ground Level Monitoring	1,190.60	14,035.25	-12,844.65	8.48%	25,471.49	137,224.74	-111,753.25	18.56%	327,291.99	327,291.99	0.00	100.0%

	1/12th (8.33%) of the Total Budget				3/12th (25%) of the Total Budget				100% of the Total Budget			
	For The Month of September 2015				Year-To-Date as of September 30, 2015				Fiscal Year End as of June 30, 2016			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	36,163.17	28,011.16	8,152.01	129.1%	81,025.62	160,142.50	-79,116.88	50.6%	397,236.00	397,236.00	0.00	100.0%
7109 · Recharge & Well Monitoring Prog	0.00	1,655.58	-1,655.58	0.0%	2,145.50	4,966.75	-2,821.25	43.2%	19,867.00	19,867.00	0.00	100.0%
7200 · PE2- Comp Recharge Pgm	206,788.88	215,635.67	-8,846.79	95.9%	421,140.06	522,648.86	-101,508.80	80.58%	1,078,549.86	1,078,549.86	0.00	100.0%
7300 · PE3&5-Water Supply/Desalte	0.00	3,735.00	-3,735.00	0.0%	0.00	11,319.00	-11,319.00	0.0%	45,276.00	45,276.00	0.00	100.0%
7400 · PE4- Mgmt Plan	49,207.97	51,851.92	-2,643.95	94.9%	83,333.84	155,625.75	-72,291.91	53.55%	622,505.00	622,505.00	0.00	100.0%
7500 · PE6&7-CoopEfforts/SaltMgmt	0.00	6,802.33	-6,802.33	0.0%	14,732.25	31,492.00	-16,759.75	46.78%	92,966.00	92,966.00	0.00	100.0%
7600 · PE8&9-StorageMgmt/Conj Use	53.18	6,377.84	-6,324.66	0.83%	53.18	19,227.50	-19,174.32	0.28%	76,909.00	76,909.00	0.00	100.0%
7690 · Recharge Improvement Debt Pymt	386,127.95	140,000.00	246,127.95	275.81%	846,329.45	2,236,027.00	-1,389,697.55	37.85%	3,932,677.00	3,932,677.00	0.00	100.0%
7700 · Inactive Well Protection Prgm	0.00	41.67	-41.67	0.0%	0.00	125.00	-125.00	0.0%	500.00	500.00	0.00	100.0%
9502 · G&A Expenses Allocated-Projects	11,095.04	22,720.92	-11,625.88	48.83%	36,605.35	68,162.75	-31,557.40	53.7%	272,651.00	272,651.00	0.00	100.0%
Total Expense	1,085,466.26	836,565.78	248,900.48	129.75%	2,691,315.30	4,534,684.17	-1,843,368.87	59.35%	10,987,143.85	10,987,143.85	0.00	100.0%
Net Ordinary Income	-1,080,370.17	-831,053.78	-249,316.39	130.0%	-2,528,869.74	-4,371,231.17	1,842,361.43	57.85%	-1,872,937.85	-1,872,937.85	0.00	100.0%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4225 · Interest Income	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	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%
4500 · Groundwater Sales	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Income	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	100.0%
Other Expense												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
5100 · Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9200 · Interest Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9251 · Other Post Employment Benefits	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9996 · Refund-Excess Reserves-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9997 · Refund-Excess Reserves-NonAg	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9998 · Refund-Recharge Debt-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Other Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Net Other Income	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	100.0%	1,234.65	0.00	1,234.65	100.0%
Net Income	-1,079,135.52	-831,053.78	-248,081.74	129.85%	-2,527,635.09	-4,371,231.17	1,843,596.08	57.82%	-1,871,703.20	-1,872,937.85	1,234.65	99.93%

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

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

C. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: Annual Finding of Substantial Compliance with the Recharge Master Plan

SUMMARY

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

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

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

Future Consideration

Non-Agricultural Pool: November 12, 2015 Recommendation to the Advisory Committee
Agricultural Pool: November 12, 2015 Recommendation to the Advisory Committee
Appropriative Pool: November 17, 2015 Recommendation to the Advisory Committee
Advisory Committee: November 20, 2015 Recommendation to the Watermaster Board
Watermaster Board: November 25, 2015 Adopt the Finding of Compliance [Discretionary Function]

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –
November 12, 2015 – Agricultural Pool –
November 17, 2015 – Appropriative Pool –
November 19, 2015 – Advisory Committee –
November 19, 2015 – Watermaster Board –

BACKGROUND

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

Pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as it is revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft. Wildermuth Environmental, Inc. (WEI) has prepared the attached opinion regarding the adequacy of replenishment capacity, which includes the information that Watermaster needs to make this finding for Fiscal Year 2015-2016.

DISCUSSION

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

ATTACHMENTS

1. Annual Finding of Substantial Compliance – Fiscal Year 2015/16 (11/5/15 WEI Letter to CBWM)



November 5, 2015

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

Subject: *Annual Finding of Substantial Compliance – Fiscal 2015-16 (2016)*

Dear Mr. Kavounas,

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

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

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

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

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

Pursuant to the Peace II Agreement, Watermaster is obligated, after the completion of the 2010 Recharge Master Plan Update (RMPU), to make an annual finding that there is enough supplemental water recharge capacity to meet its replenishment obligations. This letter report includes the information required by Watermaster to make this finding for fiscal 2016.

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 RMPU, which was submitted to the Court in June 2010. The 2010 RMPU was developed in a transparent stakeholder process.¹ The Court subsequently approved the 2010 RMPU in October 2010. Section 7.4 of the 2010 RMPU Final Report concludes:

“No new recharge facilities will be required to meet Watermaster’s replenishment obligations through the planning period, provided that the Riverside Corona Feeder is completed within the next ten years.”²

The qualification of this finding as to the Riverside Corona Feeder was an acknowledgment that a new source of supply may be required for the Jurupa Community Services District (JCSD) such that the JCSD can reduce its net groundwater pumping to a sustainable level.³ Groundwater modeling, completed in 2007 and 2009 to evaluate the groundwater basin’s response to the implementation of the Peace II project description, suggested future declines in groundwater levels in the JCSD well field. Groundwater modeling studies in 2012 and 2013, based on revised post-2010 RMPU groundwater production projections, also predicted that the JCSD may have future production sustainability challenges. The 2010 RMPU identified a project to potentially mitigate this excessive drawdown whereby future replenishment deliveries would be provided to the JCSD for direct use, allowing the JCSD to reduce its groundwater production. Watermaster and the IEUA recently completed the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 Amendment) pursuant to the October 2010 Court Order. Watermaster and the IEUA identified several feasible recharge projects that, if implemented, will improve the production sustainability of JCSD wells.

The groundwater production and replenishment projections used to evaluate the adequacy of existing supplemental water recharge capacity in the 2010 RMPU were developed in 2008 and 2009 and are significantly greater than the projections developed by Watermaster following the completion of the 2010 Urban Water Management Plans. The groundwater production and replenishment projections were revised by Watermaster pursuant to a recommendation in the 2010 RMPU and the October 2010 Court Order approving the 2010 RMPU. These updated replenishment projections clearly show that the future replenishment obligation will be substantially less than that anticipated by the 2010 RMPU. The reasons for this decline in future replenishment obligations are state-mandated conservation requirements and the changing economics of groundwater production. As to the latter, some producers have determined that it is more economical to use more imported water directly than to overproduce and incur replenishment costs and additional production-based Watermaster assessments. The table below compares the projected replenishment obligations from the 2013 Amendment to the 2010 RMPU.⁴ This table also shows a more recent replenishment projection that was developed for the Safe Yield reset process completed in 2015 and reported in the “2013 Chino Basin Groundwater Model Update and Recalculation of Safe Yield” report, finalized in October 2015.

¹ See rmp.wildermuthenvironmental.com.

² See page 7-4 of the 2010 Recharge Master Plan Update http://www.cbwm.org/rep_engineering.htm.

³ This is not a replenishment capacity issue. This is a balance of recharge and discharge issue. The JCSD has constructed several wells in a relatively small geographic area. The combination of the close proximity of these wells and regional changes in groundwater levels may cause excessive groundwater level declines in some of the JCSD’s wells. The Riverside Corona Feeder is one of several potential projects that could provide water to the JCSD, enabling them to reduce their groundwater production.

⁴ See Table 2-4, 2013 Amendment to the 2010 RMPU http://www.cbwm.org/rep_engineering.htm.

Comparison of Projected Replenishment Obligations
 (afy)

Fiscal Year	Replenishment Projection from the 2010 RMPU	Replenishment Projection from the 2013 RMPU Amendment	Replenishment Projection from the October 2015 Chino Basin Groundwater Model Update and Recalculation of Safe Yield ⁵
2015	9,700	0	0
2020	13,900	0	0
2025	30,900	4,700	3,400
2030	44,500	18,400	14,000
2035	55,500	42,600	31,800

The estimated supplemental water recharge capacity in the Chino Basin for fiscal year 2016 is listed in the table below along with prior estimates for fiscal years 2014 and 2015, as estimated in prior Findings of Substantial Compliance and as updated for fiscal year 2016.

Supplemental Water Recharge Capacity Estimates by Fiscal Year
 (afy)

Recharge Facility	2014 ⁶	2015 and 2016 ⁷
Spreading Basins	60,600	59,100
ASR Wells	5,600	5,600
In-Lieu	25,000 to 40,000	25,000 to 40,000
Total	91,200 to 106,200	89,700 to 104,700

Figure 1 shows the locations of spreading basins utilized by Watermaster and IEUA for recharge in the Chino Basin. Table 1 lists the spreading basins available to Watermaster and their respective supplemental water recharge capacities.

The Metropolitan Water District of Southern California (Metropolitan) provides imported water to the Chino Basin area through the IEUA. In its 2010 Integrated Regional Plan (IRP) Update, Metropolitan indicated that it will have enough water to meet all of the supplemental water requirements within its service area through 2035, provided that it implements the programs described in the 2010 IRP Update. The Watermaster parties can also import non-State Water Project water into the Chino Basin area if Metropolitan fails to provide enough imported water for replenishment.

Based on our knowledge of the conditions in fiscal year 2016 and future water management projections, Watermaster’s ability to recharge the Basin with supplemental water to mitigate future overproduction is sufficient to meet expected future replenishment obligations. If re-operation were discontinued at any time through 2030, Watermaster would be able to immediately increase its replenishment activity and maintain the

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

⁶ See December 2013 letter from WEI to the Peter Kavounas regarding: “Annual Finding of Adequate Replenishment Capacity – Fiscal 2013-14.”

⁷ Aggregate spreading basin recharge capacity revised since 2013, based, in part, on an update to the infiltration rates provided in a November 5, 2014 email from Andrew Campbell of the IEUA to Mark Wildermuth, updating recharge rates.

hydrologic balance in the Basin required by the Judgment. The supplemental water recharge capacity available to Watermaster is about six times the projected replenishment obligation in 2030 and three times the projected replenishment obligation in 2035.

Moreover, in November 2011, Watermaster committed to engage in a process to develop a preemptive replenishment program that would involve the acquisition and recharge of supplemental water in advance of incurring replenishment obligations and storing that water until future replenishment obligations occur. Preemptive replenishment is a complementary management tool that further enhances Watermaster's ability to meet its future replenishment requirements. In fiscal years 2011 and 2012, about 32,000 acre-ft of imported water was preemptively recharged. The IEUA has been recharging significant amounts of recycled water in the Chino Basin since 2006 and recharged about 11,000 acre-ft in fiscal 2015. And, the Peace II requirement to recharge 6,500 acre-ft/yr in Management Zone 1 regardless of a replenishment obligation is another example of preemptive replenishment that is currently active and will be so through 2030.

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

Very truly yours,

Wildermuth Environmental, Inc.



Mark J. Wildermuth, PE
President

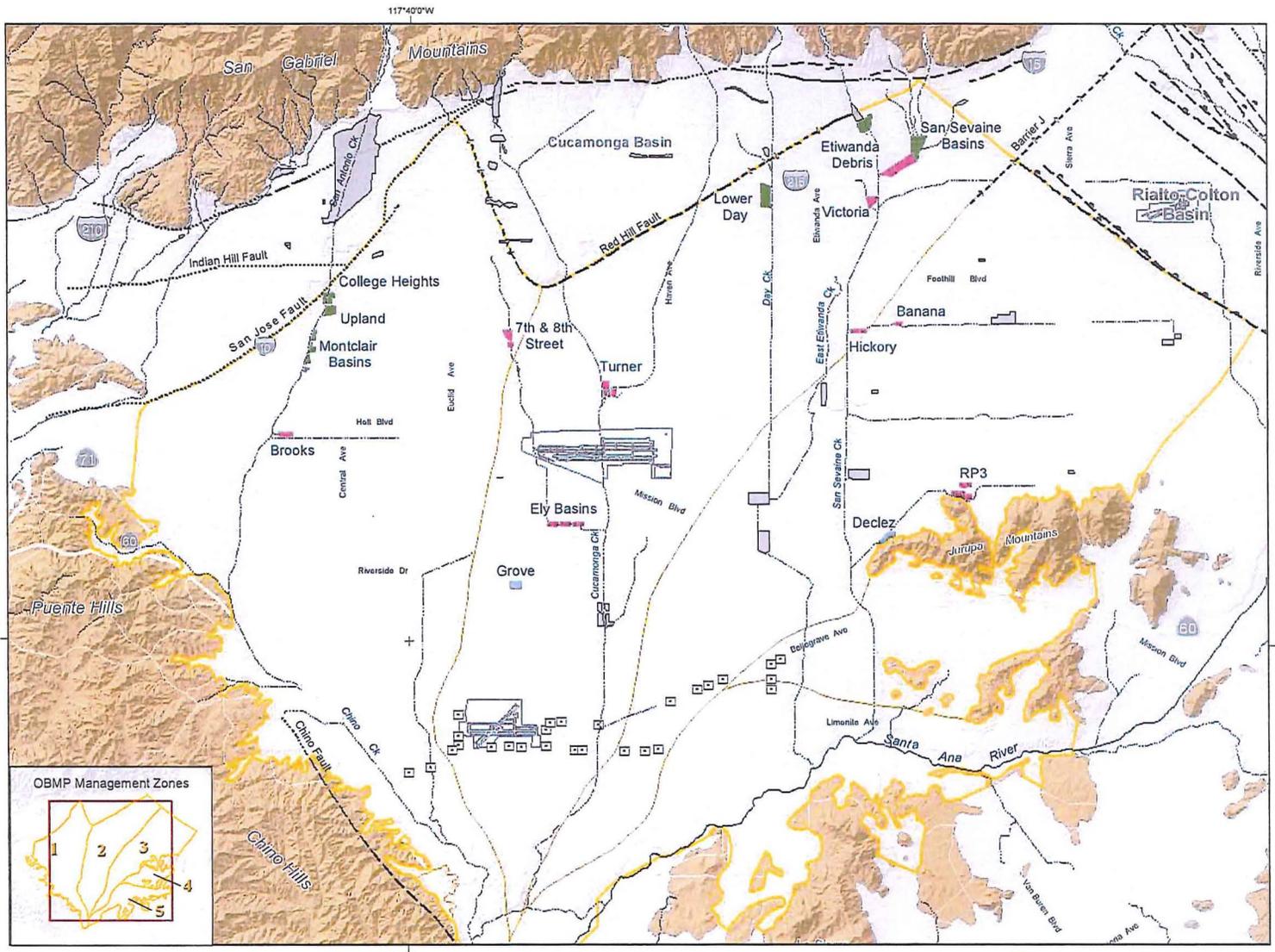
Encl: Figure 1, Table 1

**Table 1
Supplemental Water Recharge Capacity Estimates at Spreading Basins**

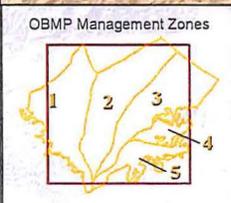
(1) Spreading Basin	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
	Supplemental Water Recharge																						
	Operational Availability for Supplemental Water Recharge												Average Recharge Rate ¹ (cfs)	Supplemental Water Recharge Capacity (acre-ft/yr)	Imported Water Turn Out Capacity				Theoretical Maximum Supplemental Water Recharge Capacity				
	Quarter 3			Quarter 4			Quarter 1			Quarter 2					Turn Out Name	Max Discharge Rate (cfs)	Useful Discharge Rate (cfs)	Turnout Limited?	Annual	Q3	Q4	Q1	Q2
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	(acre-ft/Qt)											
Brooks Street Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	3	1,286				No	1,286	339	413	146	388
College Heights Basins	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	16	7,916				No	7,916	2,088	2,542	899	2,387
Montclair Basin 1	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77			OC59	300	300						
Montclair Basin 2	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
Montclair Basin 3	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	15	7,322				No	7,322	1,931	2,351	831	2,208
Montclair Basin 4	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
Seventh and Eighth Street Basins	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	7	3,463	CB20	30	30	No	3,463	913	1,112	393	1,044
Upland Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	6	2,820	OC59	80	80	No	2,820	744	906	320	850
Subtotal Management Zone 1														22,807					22,807	6,015	7,324	2,590	6,878
Ely Basins	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	4	1,781	CB20	30	30	No	1,781	470	572	202	537
Etiwanda Debris Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	4	1,929	CB14	30	30	No	1,929	509	620	219	582
Hickory Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	4	1,781	CB18	30	30	No	1,929	509	619	219	582
Lower Day Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	6	2,820	CB15	30	20	No	2,820	744	906	320	850
San Sevaine No. 1	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
San Sevaine No. 2	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
San Sevaine No. 3	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	24	11,774	CB13	30	23	Yes	11,379	3,001	3,654	1,292	3,432
San Sevaine Nos. 4 and 5	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
Turner Basins Nos. 1 and 2	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	5	2,375	CB11	40	9	No	2,375	626	763	270	716
Turner Basins Nos. 3 and 4	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77											
Victoria Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	4	2,127	CB14	30	30	No	2,127	561	683	242	642
Subtotal Management Zone 2														24,588					24,340	6,419	7,816	2,764	7,341
Banana Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	2	940					940	248	302	107	283
Declez Basin	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	5	2,226	CB18	30	30	No	2,226	587	715	253	671
IEUA RP3 Ponds	0.71	0.71	0.74	0.80	0.90	0.93	0.00	0.00	0.93	0.87	0.83	0.77	18	8,757					8,757	2,309	2,812	994	2,641
Subtotal Management Zone 3														11,923					11,923	3,145	3,829	1,354	3,596
Total														59,318					59,070	15,579	18,969	6,708	17,815

¹ Based on a information provided by Andrew Campbell of IEUA on November 5, 2014.



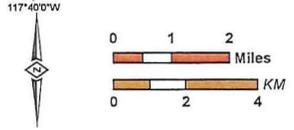


- Spreading Basins in the Chino Basin
Recycled Water Groundwater Recharge Program
- Storm, Imported and Recycled Water
 - Storm and Imported Water
 - Stormwater
 - Retention Basins and Spreading Basins not in the Chino Basin Recycled Water Recharge Program. Incidental Stormwater Recharge Only.
 - Chino Basin Desalter Well
 - Streams & Flood Control Channels



Prepared by:
WEI
 WILDMULTI ENVIRONMENTAL, INC.

Author: LBB
 Date: 20151105
 File: Figure_1_RechargeBasins



Fiscal Year 2015-16 (2016)
 Annual Finding of Substantial Compliance

Locations of Spreading Basins in the Chino Basin

Figure 1

CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR
- D. WATER TRANSACTION

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

November 5, 2015

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.

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NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **October 15, 2015** Date of this notice: **November 5, 2015**

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

- Notice of Sale or Transfer – The purchase of 100.000 acre-feet of water from the City of Pomona by Monte Vista Water District. This purchase is made from the City of Pomona’s Excess Carryover Account and is to be placed in Monte Vista Water District’s storage account.

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

Appropriative Pool: November 17, 2015

(the Appropriative Pool meeting date was rescheduled after the original notice was sent)

Non-Agricultural Pool: November 12, 2015

Agricultural Pool: November 12 , 2015

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

NOTICE OF TRANSFER OF WATER

Notification Dated: November 5, 2015

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).



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

DATE: November 5, 2015
TO: Watermaster Interested Parties
SUBJECT: Summary and Analysis of Application for Water Transaction

Summary –

There does not appear to be a potential material physical injury to a party or to the basin from the proposed transaction as presented.

Issue –

- Notice of Sale or Transfer – The purchase of 100,000 acre-feet of water from the City of Pomona by Monte Vista Water District. This purchase is made from the City of Pomona's Excess Carryover Account and is to be placed in Monte Vista Water District's storage account.

Recommendation –

1. Continue monitoring as planned in the Optimum Basin Management Program.
2. Use all new or revised information when analyzing the hydrologic balance and report to Watermaster if a potential for material physical injury is discovered, and
3. Approve the transaction as presented.

Fiscal Impact –

- None
 May reduce assessments under the 85/15 rule
 Reduce desalter replenishment costs

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 application for water transaction is attached with the notice of application.

- Notice of Sale or Transfer – The purchase of 100,000 acre-feet of water from the City of Pomona by Monte Vista Water District. This purchase is made from the City of Pomona's Excess Carryover Account and is to be placed in Monte Vista Water District's storage account.

Notice of the water transaction identified above was mailed on November 5, 2015 along with the materials submitted by the requestors.

DISCUSSION

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.

The 85/15 Rule does not apply for this water transaction because Monte Vista Water District requested that this water be placed in its storage account.

**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 2015 - 2016

DATE REQUESTED: October 15, 2015

AMOUNT REQUESTED: 100 Acre-Feet

TRANSFER FROM (SELLER / TRANSFEROR):			TRANSFER TO (BUYER / TRANSFEREE):		
City of Pomona			Monte Vista Water District		
Name of Party			Name of Party		
148 North Huntington Street			10575 Central Avenue		
Street Address			Street Address		
Pomona	CA	91768	Montclair	CA	91763
City	State	Zip Code	City	State	Zip Code
909-620-2253			909-624-0035		
Telephone			Telephone		
909-620-2222			909-624-0037		
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 Desalter replenishment obligation

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 City of Pomona Excess Carryover

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:

0-10,000 gpm	Unknown
Projected Rate of Recapture	Projected Duration of Recapture

METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):
 Placement in storage account for future production or replenishment of desalter production

PLACE OF USE OF WATER TO BE RECAPTURED:
 Regular and/or desalter production wells

LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):

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:

Nitrate concentrations range between 19-70 ppm

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

504-533

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?

N/A

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

Darron Poulsen

Seller / Transferor Representative Name (Printed)



Buyer / Transferee Representative Signature

Mark Kinsey

Buyer / Transferee Representative Name (Printed)

TO BE COMPLETED BY WATERMASTER STAFF:

DATE OF WATERMASTER NOTICE: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

A. CBWM INTERIM 2015/2016 ASSESSMENTS



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: Interim 2015-2016 Assessment

SUMMARY

Issue: Due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed beyond its usual November timeframe.

Recommendation: Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

Financial Impact: Collection of assessments creates the funds that are used during the current fiscal year for budgeted expenses.

Future Consideration

Non-Agricultural Pool: November 12, 2015 Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

Agricultural Pool: November 12, 2015 Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

Appropriative Pool: November 17, 2015 Recommend to the Advisory Committee to approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

Advisory Committee: November 19, 2015 Approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court.

Watermaster Board: November 19, 2015 Approve the Assessment Year 2015/2016 Interim Assessments as presented, with the balance to be assessed when the Assessment Package is completed after the Safe Yield Reset Agreement is considered by the Court. [Advisory Committee Approval Required]

ACTIONS:

October 8, 2015 – Appropriative Pool – Discussion only.

October 8, 2015 – Non-Agricultural Pool – Discussion only.

October 8, 2015 – Agricultural Pool – Discussion only.

November 12, 2015 – Non-Agricultural Pool –

November 12, 2015 – Agricultural Pool –

November 17, 2015 – Appropriative Pool –

November 19, 2015 – Advisory Committee –

November 19, 2015 – Watermaster Board –

BACKGROUND

Watermaster issues an Assessment Package annually based on the previous production year (July 1 through June 30). Assessments create funds that are used during the current fiscal year for budgeted expenses. The Assessment Package is generally issued in November of each year, and assessments are generally collected in December of each year.

DISCUSSION

Due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed. It will not be produced until the Court has considered the Safe Yield Reset Agreement, which is expected in a few months. However, Watermaster cannot wait until that time to collect assessments, as the funds will be needed sooner than that in order to keep Watermaster operational.

Staff recommends collection of an interim partial assessment in late November (following Watermaster Board approval), with payments due in late December. The balance, accounting for the interim assessment, will be collected when the Assessment Package is produced, following consideration of the Safe Yield Reset Agreement by the Court. Staff's recommendation is to collect fifty percent of last year's Appropriative Pool Admin and OBMP assessments, including those paid on behalf of the Agricultural Pool, in addition to fifty percent of last year's Recharge Debt and Recharge Improvement assessments, and to collect fifty percent of last year's Non-Ag Pool Admin and OBMP assessments. Attachments 1 and 2 are Appropriative Pool and Non-Ag Pool assessment fee pages from the last Assessment Package that demonstrate the assessments paid, including the components described above. Attachments 3 and 4 show the proposed fifty percent assessments for the Appropriative and Non-Ag Pools, respectively. Please note that if a Party has an amount due of less than \$500 (including special assessments), collection will be deferred until the final assessment invoice later in the fiscal year.

This recommendation was discussed during the Pool meetings last month. Unchanged, it is being brought back this month for action. Levying of assessments is authorized through a separate resolution. This resolution is presented for consideration as a separate item.

ATTACHMENTS

1. Page 1A of Fiscal Year 2014-2015 Assessment Package (Appropriative Pool)
2. Page 13A of Fiscal Year 2014-2015 Assessment Package (Non-Ag Pool)
3. Interim 2015-2016 Assessment Table (Appropriative Pool)
4. Interim 2015-2016 Assessment Table (Non-Ag Pool)

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Assessment Year 2014-2015 (Production Year 2013-2014)

Pool 3 Assessment Fee Summary

	AF Production and Exchanges	Appropriative Pool		Ag Pool SY Reallocation		Replenishment Assessments			85/15 Water Transaction Activity			ASSESSMENTS DUE						
		\$12.80 AF/Admin	\$27.69 AF/OBMP	AF Total Reallocation	\$430,437.99 \$8.76 AF/Admin	\$931,517.99 \$18.95 AF/OBMP	AF/15%	\$518.50 AF/85%	\$610.00 AF/100%	15% Producer Credits	15% Pro-rated Debits	CURO Adjustment	Total Production Based	Pomona Credit	Recharge Debt Payment	Recharge Imprvmt Project	Other Adjustments	Total Due
Arrowhead Mtn Spring Water Co	379.111	4,852.62	10,497.58	0.000	0.00	0.00	0.00	0.00	188,539.41	0.00	0.00	(500.54)	203,389.07	0.00	0.00	0.00	0.00	203,389.07
Chino Hills, City Of	7,224.004	92,467.25	200,032.67	1,998.600	17,499.06	37,870.01	101.90	0.00	0.00	0.00	75,492.88	(0.23)	423,463.53	2,567.35	16,626.31	49,716.41	0.00	492,373.60
Chino, City Of	0.000	0.00	0.00	8,367.955	73,266.97	158,558.25	0.00	0.00	0.00	0.00	0.00	0.00	231,825.22	4,904.69	31,763.11	94,978.87	0.00	363,471.89
Cucamonga Valley Water District	16,121.550	206,355.84	446,405.72	2,304.146	20,174.32	43,659.58	227.40	0.00	0.00	0.00	168,474.75	(0.52)	885,297.08	4,400.69	28,499.16	85,218.91	0.00	1,003,415.84
Desalter Authority	29,242.552	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fontana Union Water Company	0.000	0.00	0.00	3,187.956	27,912.66	60,406.24	0.00	0.00	0.00	0.00	0.00	0.00	88,318.90	7,771.37	50,327.93	150,491.87	0.00	296,910.07
Fontana Water Company	15,377.579	196,833.01	425,805.16	695.920	6,093.24	13,186.48	216.91	0.00	0.00	(792,550.95)	160,700.04	(0.50)	10,283.39	1.33	8.63	25.82	0.00	10,319.18
Fontana, City Of	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Golden State Water Company	736.362	9,425.43	20,389.86	205.110	1,795.87	3,886.48	10.39	0.00	0.00	(1,170.00)	7,695.19	(0.02)	42,033.20	500.00	3,238.05	9,682.50	0.00	55,453.75
Jurupa Community Services District	18,018.347	230,634.84	498,928.03	12,597.713	110,301.29	238,704.84	254.15	0.00	0.00	(86,400.00)	188,296.81	(0.58)	1,180,719.38	2,506.01	16,229.11	48,528.69	0.00	1,247,983.19
Marygold Mutual Water Company	1,314.734	16,828.60	36,404.98	326.809	2,861.43	6,192.46	0.00	0.00	47,979.55	0.00	0.00	0.00	110,267.02	796.67	5,159.29	15,427.45	0.00	131,650.44
Monte Vista Irrigation Company	0.000	0.00	0.00	337.474	2,954.81	6,394.55	0.00	0.00	0.00	0.00	0.00	0.00	9,349.35	822.67	5,327.67	15,930.94	0.00	31,430.64
Monte Vista Water District	6,998.745	89,583.94	193,795.25	2,451.724	21,466.46	46,455.92	98.72	0.00	0.00	0.00	73,138.86	(0.23)	424,538.92	5,864.70	37,980.17	113,569.27	0.00	581,953.06
Niagara Bottling, LLC	1,342.588	17,185.13	37,176.26	0.000	0.00	0.00	0.00	0.00	452,978.68	0.00	0.00	(688.06)	506,652.01	0.00	0.00	0.00	0.00	506,652.01
Nicholson Trust	0.000	0.00	0.00	1.914	16.76	36.27	0.00	0.00	0.00	0.00	0.00	0.00	53.02	4.67	30.22	90.37	0.00	178.28
Norco, City Of	0.000	0.00	0.00	100.641	881.18	1,906.97	0.00	0.00	0.00	0.00	0.00	0.00	2,788.15	245.34	1,588.80	4,750.88	0.00	9,373.17
Ontario, City Of	15,697.045	200,922.18	434,651.18	7,374.348	64,567.28	139,731.12	221.41	0.00	0.00	0.00	164,038.55	(0.51)	1,004,131.21	13,828.07	89,551.51	267,779.22	0.00	1,375,290.01
Pomona, City Of	12,909.293	165,238.95	357,458.32	5,593.760	48,977.06	105,992.06	0.00	0.00	0.00	0.00	0.00	0.00	677,666.39	(53,030.93)	88,308.10	264,061.14	0.00	977,004.70
San Antonio Water Company	1,159.242	14,838.30	32,099.41	751.523	6,580.08	14,240.06	16.35	0.00	0.00	0.00	12,114.41	(0.04)	79,888.57	1,832.01	11,864.22	35,476.68	0.00	129,061.47
San Bernardino, County of (Shootin	16.390	209.79	453.84	0.000	0.00	0.00	0.23	6,731.69	0.00	0.00	171.28	(15.43)	7,551.41	0.00	0.00	0.00	0.00	7,551.41
Santa Ana River Water Company	48.515	620.99	1,343.38	648.968	5,682.14	12,296.82	0.68	0.00	0.00	0.00	507.00	0.00	20,451.01	1,582.01	10,245.19	30,635.43	0.00	62,913.64
Upland, City Of	2,822.046	36,122.19	78,142.45	1,422.643	12,456.18	26,956.62	39.81	0.00	0.00	0.00	29,491.18	(0.09)	183,208.33	3,468.02	22,459.11	67,157.82	0.00	276,293.28
West End Consolidated Water Co	0.000	0.00	0.00	472.573	4,137.69	8,954.44	0.00	0.00	0.00	0.00	0.00	0.00	13,092.13	1,152.01	7,460.47	22,308.48	0.00	44,013.08
West Valley Water District	0.000	0.00	0.00	321.339	2,813.53	6,088.82	0.00	0.00	0.00	0.00	0.00	0.00	8,902.35	783.34	5,072.95	15,169.25	0.00	29,927.88
	129,408.103	1,282,119.05	2,773,584.10	49,161.116	430,437.99	931,517.99	1,187.94	6,731.69	689,497.64	(880,120.95)	880,120.95	(1,206.74)	6,113,869.65	0.00	431,739.99	1,291,000.00	0.00	7,836,609.64
	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L	1M	1N	1O	1P	1Q	1R

p1: 1) TVMWD elected to discontinue payment of the "Pomona Credit," effective FY 2012/2013. It is now paid by the Appropriative Pool Parties, allocated on % OSY.
 2) Recharge Debt Project expenses [1O] and Recharge Improvement Project expenses [1P] are each allocated on % OSY, based on the approved budget.

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ATTACHMENT 2

Assessment Year 2014-2015 (Production Year 2013-2014)

Pool 2 Assessment Fee Summary

	AF Production	Non-Agricultural Pool		Replenishment Assessments			Other Adjustments	Total Assessments Due
		\$12.80 AF/Admin	\$27.69 AF/OBMP	AF Exceeding Annual Right	\$610.00 Per AF	CURO Adjustment		
Ameron International Corp.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
Aqua Capital Management LP	0.000	0.00	0.00	57.154	34,863.94	0.00	0.00	34,863.94
California Speedway Corp. (Auto Club Speedway)	435.795	5,578.18	12,067.16	0.000	0.00	0.00	0.00	17,645.34
California Steel Industries, Inc. (CSI)	1,417.448	18,143.33	39,249.14	0.000	0.00	0.00	0.00	57,392.47
Calmat Co. a Division of Vulcan Materials Co.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
CCG Ontario, LLC	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
General Electric Co. (GE)	0.004	0.05	0.11	0.004	2.44	0.00	0.00	2.60
Hamner Park Associates (Swan Lake MHP)	285.791	3,658.12	7,913.55	0.000	0.00	0.00	0.00	11,571.68
Kaiser Ventures, Inc.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
KCO, LLC / The Koll Company	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
Loving Savior Of The Hills Lutheran Church	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
NRG California South LP	289.980	3,711.74	8,029.55	0.000	0.00	0.00	0.00	11,741.29
Ontario, City of (Non-Ag)	1,855.196	23,746.51	51,370.38	0.000	0.00	0.00	0.00	75,116.89
Praxair, Inc.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
Riboli Family / San Antonio Winery	10.403	133.16	288.06	10.403	6,345.83	(13.51)	0.00	6,753.54
San Bernardino, County of (Chino Airport)	104.278	1,334.76	2,887.46	0.000	0.00	0.00	0.00	4,222.22
Southern California Edison Co. (SCE)	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
Southern Service Co. (Angelica)	36.519	467.44	1,011.21	19.609	11,961.49	(41.28)	0.00	13,398.86
Space Center Mira Loma, Inc.	93.708	1,199.46	2,594.77	0.000	0.00	0.00	0.00	3,794.24
Sunkist Growers, Inc.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
TAMCO	17.850	228.48	494.27	4.350	2,653.50	0.00	0.00	3,376.25
West Venture Development Co.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
	4,546.972	58,201.24	125,905.65	91.520	55,827.20	(54.79)	0.00	239,879.30
	13A	13B	13C	13D	13E	13F	13G	13H

p13: 1) TAMCO Intervened into the Non-Ag Pool, effective July 1, 2013. Concurrently, Ameron International permanently transferred 15.000 AF of Safe Yield to TAMCO.

Interim Assessment -- Appropriative Pool

Last Year (for reference)

Assessment Year 2014-2015 (Production Year 2013-2014):

Party	Appropriative Pool		Ag Pool SY Reallocation		Recharge	Recharge	Total
	Admin	OBMP	Admin	OBMP	Debt Payment	Improvemnt Project	
Arrowhead Mtn Spring Water Co	\$4,852.62	\$10,497.58	\$0.00	\$0.00	\$0.00	\$0.00	\$15,350.20
Chino Hills, City Of	\$92,467.25	\$200,032.67	\$17,499.06	\$37,870.01	\$16,626.31	\$49,716.41	\$414,211.71
Chino, City Of	\$0.00	\$0.00	\$73,266.97	\$158,558.25	\$31,763.11	\$94,978.87	\$358,567.20
Cucamonga Valley Water District	\$206,355.84	\$446,405.72	\$20,174.32	\$43,659.58	\$28,499.16	\$85,218.91	\$830,313.53
Desalter Authority	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fontana Union Water Company	\$0.00	\$0.00	\$27,912.66	\$60,406.24	\$50,327.93	\$150,491.87	\$289,138.70
Fontana Water Company	\$196,833.01	\$425,805.16	\$6,093.24	\$13,186.48	\$8.63	\$25.82	\$641,952.34
Fontana, City Of	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Golden State Water Company	\$9,425.43	\$20,389.86	\$1,795.87	\$3,886.48	\$3,238.05	\$9,682.50	\$48,418.19
Jurupa Community Services District	\$230,634.84	\$498,928.03	\$110,301.29	\$238,704.84	\$16,229.11	\$48,528.69	\$1,143,326.80
Marygold Mutual Water Company	\$16,828.60	\$36,404.98	\$2,861.43	\$6,192.46	\$5,159.29	\$15,427.45	\$82,874.21
Monte Vista Irrigation Company	\$0.00	\$0.00	\$2,954.81	\$6,394.55	\$5,327.67	\$15,930.94	\$30,607.97
Monte Vista Water District	\$89,583.94	\$193,795.25	\$21,466.46	\$46,455.92	\$37,980.17	\$113,569.27	\$502,851.01
Niagara Bottling, LLC	\$17,185.13	\$37,176.26	\$0.00	\$0.00	\$0.00	\$0.00	\$54,361.39
Nicholson Trust	\$0.00	\$0.00	\$16.76	\$36.27	\$30.22	\$90.37	\$173.62
Norco, City Of	\$0.00	\$0.00	\$881.18	\$1,906.97	\$1,588.80	\$4,750.88	\$9,127.83
Ontario, City Of	\$200,922.17	\$434,651.18	\$64,567.28	\$139,731.12	\$89,551.51	\$267,779.22	\$1,197,202.48
Pomona, City Of	\$165,238.95	\$357,458.32	\$48,977.06	\$105,992.06	\$88,308.10	\$264,061.14	\$1,030,035.63
San Antonio Water Company	\$14,838.30	\$32,099.41	\$6,580.08	\$14,240.06	\$11,864.22	\$35,476.68	\$115,098.75
San Bernardino, County of (Shooting Park)	\$209.79	\$453.84	\$0.00	\$0.00	\$0.00	\$0.00	\$663.63
Santa Ana River Water Company	\$620.99	\$1,343.38	\$5,682.14	\$12,296.82	\$10,245.19	\$30,635.43	\$60,823.95
Upland, City Of	\$36,122.19	\$78,142.45	\$12,456.18	\$26,956.62	\$22,459.11	\$67,157.82	\$243,294.37
West End Consolidated Water Co	\$0.00	\$0.00	\$4,137.69	\$8,954.44	\$7,460.47	\$22,308.48	\$42,861.08
West Valley Water District	\$0.00	\$0.00	\$2,813.53	\$6,088.82	\$5,072.95	\$15,169.25	\$29,144.55
Total	\$1,282,119.05	\$2,773,584.10	\$430,437.99	\$931,517.99	\$431,739.99	\$1,291,000.00	\$7,140,399.12

[1A]

[1B]

[1D]

[1E]

[1O]

[1P]

Interim Assessment for

Assessment Year 2015-2016 (Production Year 2014-2015):

Party	Appropriative Pool		Ag Pool SY Reallocation		Recharge	Recharge	Total
	Admin	OBMP	Admin	OBMP	Debt Payment	Improvemnt Project	
Arrowhead Mtn Spring Water Co	\$2,426.31	\$5,248.79	\$0.00	\$0.00	\$0.00	\$0.00	\$7,675.10
Chino Hills, City Of	\$46,233.63	\$100,016.34	\$8,749.53	\$18,935.01	\$8,313.16	\$24,858.21	\$207,105.86
Chino, City Of	\$0.00	\$0.00	\$36,633.49	\$79,279.13	\$15,881.56	\$47,489.44	\$179,283.60
Cucamonga Valley Water District	\$103,177.92	\$223,202.86	\$10,087.16	\$21,829.79	\$14,249.58	\$42,609.46	\$415,156.77
Desalter Authority	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fontana Union Water Company	\$0.00	\$0.00	\$13,956.33	\$30,203.12	\$25,163.97	\$75,245.94	\$144,569.35
Fontana Water Company	\$98,416.51	\$212,902.58	\$3,046.62	\$6,593.24	\$4.32	\$12.91	\$320,976.17
Fontana, City Of	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Golden State Water Company	\$4,712.72	\$10,194.93	\$897.94	\$1,943.24	\$1,619.03	\$4,841.25	\$24,209.10
Jurupa Community Services District	\$115,317.42	\$249,464.02	\$55,150.65	\$119,352.42	\$8,114.56	\$24,264.35	\$571,663.40
Marygold Mutual Water Company	\$8,414.30	\$18,202.49	\$1,430.72	\$3,096.23	\$2,579.65	\$7,713.73	\$41,437.11
Monte Vista Irrigation Company	\$0.00	\$0.00	\$1,477.41	\$3,197.28	\$2,663.84	\$7,965.47	\$15,303.99
Monte Vista Water District	\$44,791.97	\$96,897.63	\$10,733.23	\$23,227.96	\$18,990.09	\$56,784.64	\$251,425.51
Niagara Bottling, LLC	\$8,592.57	\$18,588.13	\$0.00	\$0.00	\$0.00	\$0.00	\$27,180.70
Nicholson Trust	\$0.00	\$0.00	\$8.38	\$18.14	\$15.11	\$45.19	\$86.81
Norco, City Of	\$0.00	\$0.00	\$440.59	\$953.49	\$794.40	\$2,375.44	\$4,563.92
Ontario, City Of	\$100,461.09	\$217,325.59	\$32,283.64	\$69,865.56	\$44,775.76	\$133,889.61	\$598,601.24
Pomona, City Of	\$82,619.48	\$178,729.16	\$24,488.53	\$52,996.03	\$44,154.05	\$132,030.57	\$515,017.82
San Antonio Water Company	\$7,419.15	\$16,049.71	\$3,290.04	\$7,120.03	\$5,932.11	\$17,738.34	\$57,549.38
San Bernardino, County of (Shooting Park)	\$104.90	\$226.92	\$0.00	\$0.00	\$0.00	\$0.00	\$331.82
Santa Ana River Water Company	\$310.50	\$671.69	\$2,841.07	\$6,148.41	\$5,122.60	\$15,317.72	\$30,411.98
Upland, City Of	\$18,061.10	\$39,071.23	\$6,228.09	\$13,478.31	\$11,229.56	\$33,578.91	\$121,647.19
West End Consolidated Water Co	\$0.00	\$0.00	\$2,068.85	\$4,477.22	\$3,730.24	\$11,154.24	\$21,430.54
West Valley Water District	\$0.00	\$0.00	\$1,406.77	\$3,044.41	\$2,536.48	\$7,584.63	\$14,572.28
Total	\$641,059.53	\$1,386,792.05	\$215,219.01	\$465,759.00	\$215,870.00	\$645,500.00	\$3,570,199.57

NOTE: If a Party has an amount due of less than \$500 (including special assessments), collection will be deferred until the final assessment invoice later in the fiscal year.

Interim Assessment -- Non-Agricultural Pool

Last Year (for reference)

Assessment Year 2014-2015 (Production Year 2013-2014):

Party	Non-Ag Pool		Total
	Admin	OBMP	
Ameron International Corp.	\$0.00	\$0.00	\$0.00
Aqua Capital Management LP	\$0.00	\$0.00	\$0.00
California Speedway Corp. (Auto Club Speedwa	\$5,578.18	\$12,067.16	\$17,645.34
California Steel Industries, Inc. (CSI)	\$18,143.33	\$39,249.14	\$57,392.47
Calmat Co., a Division of Vulcan Materials Co.	\$0.00	\$0.00	\$0.00
CCG Ontario, LLC	\$0.00	\$0.00	\$0.00
General Electric Co. (GE)	\$0.05	\$0.11	\$0.16
Hamner Park Associates (Swan Lake MHP)	\$3,658.12	\$7,913.55	\$11,571.67
Monte Vista Water District			
NRG California South LP	\$3,711.74	\$8,029.55	\$11,741.29
Ontario, City of (Non-Ag)	\$23,746.51	\$51,370.38	\$75,116.89
Praxair, Inc.	\$0.00	\$0.00	\$0.00
Riboli Family / San Antonio Winery	\$133.16	\$288.06	\$421.22
San Bernardino, County of (Chino Airport)	\$1,334.76	\$2,887.46	\$4,222.22
Southern California Edison Co. (SCE)	\$0.00	\$0.00	\$0.00
Southern Service Co. (Angelica)	\$467.44	\$1,011.21	\$1,478.65
Space Center Mira Loma, Inc.	\$1,199.46	\$2,594.77	\$3,794.23
TAMCO	\$228.48	\$494.27	\$722.75
West Venture Development Co.	\$0.00	\$0.00	\$0.00
Total	\$58,201.23	\$125,905.66	\$184,106.89

[13B]

[13C]

Interim Assessment for

Assessment Year 2015-2016 (Production Year 2014-2015):

Party	Non-Ag Pool		Total
	Admin	OBMP	
Ameron International Corp.	\$0.00	\$0.00	\$0.00
Aqua Capital Management LP	\$0.00	\$0.00	\$0.00
California Speedway Corp. (Auto Club Speedwa	\$2,789.09	\$6,033.58	\$8,822.67
California Steel Industries, Inc. (CSI)	\$9,071.67	\$19,624.57	\$28,696.24
Calmat Co., a Division of Vulcan Materials Co.	\$0.00	\$0.00	\$0.00
CCG Ontario, LLC	\$0.00	\$0.00	\$0.00
General Electric Co. (GE)	\$0.03	\$0.06	\$0.08
Hamner Park Associates (Swan Lake MHP)	\$1,829.06	\$3,956.78	\$5,785.84
Monte Vista Water District	\$0.00	\$0.00	\$0.00
NRG California South LP	\$1,855.87	\$4,014.78	\$5,870.65
Ontario, City of (Non-Ag)	\$11,873.26	\$25,685.19	\$37,558.45
Praxair, Inc.	\$0.00	\$0.00	\$0.00
Riboli Family / San Antonio Winery	\$66.58	\$144.03	\$210.61
San Bernardino, County of (Chino Airport)	\$667.38	\$1,443.73	\$2,111.11
Southern California Edison Co. (SCE)	\$0.00	\$0.00	\$0.00
Southern Service Co. (Angelica)	\$233.72	\$505.61	\$739.33
Space Center Mira Loma, Inc.	\$599.73	\$1,297.39	\$1,897.12
TAMCO	\$114.24	\$247.14	\$361.38
West Venture Development Co.	\$0.00	\$0.00	\$0.00
Total	\$29,100.62	\$62,952.83	\$92,053.45

NOTE: If a Party has an amount due of less than \$500 (including special assessments), collection will be deferred until the final assessment invoice later in the fiscal year.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

B. LEVYING INTERIM 2015/2016 ASSESSMENTS



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Pool Committee Members
SUBJECT: Resolution to Levy Interim Assessments for Fiscal Year 2015-2016 (based on Production Year 2014-2015)

SUMMARY

Issue: A resolution is required for the Chino Basin Watermaster to levy interim assessments for Fiscal Year 2015-2016.

Recommendation: Review Resolution 2015-08 as presented, and offer advice to Watermaster.

Financial Impact: Collection of assessments creates the funds that are used during the current fiscal year for budgeted expenses.

Future Consideration

Non-Agricultural Pool: November 12, 2015 Advice

Agricultural Pool: November 12, 2015 Advice

Appropriative Pool: November 17, 2015 Advice

Advisory Committee: November 19, 2015 Advice

Watermaster Board: November 19, 2015 Approval [Function related to administration of the Pool Committees]

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –

November 12, 2015 – Agricultural Pool –

November 17, 2015 – Appropriative Pool –

November 19, 2015 – Advisory Committee –

November 19, 2015 – Watermaster Board –

BACKGROUND

Watermaster typically issues an Assessment Package annually based on the previous production year (July 1 through June 30). Production information is generally collected quarterly, and other necessary information is collected annually. The Assessment Package creates funds that are used during the current fiscal year for budgeted expenses. Assessments are based on the approved budget divided by the total assessable production in the Basin. Watermaster is entitled with powers to levy and collect administrative, special project, and replenishment assessments necessary to maintain water levels and to cover the cost of administering the Chino Basin Judgment. Pursuant to the Judgment, each party has thirty days from the date of invoice to remit the amount of payment for assessments due. After that date, interest will accrue on that portion which was due as provided for in Section 55 (c) of the Restated Judgment.

DISCUSSION

Due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed. It will not be produced until the Court has considered the Safe Yield Reset Agreement, which is expected in a few months. However, Watermaster cannot wait until that time to collect assessments, as the funds will be needed sooner than that in order to keep Watermaster operational.

Staff recommends collection of an interim partial assessment in late November (following Watermaster Board approval), with payments due in late December. The balance, accounting for the interim assessment, will be collected when the Assessment Package is produced, following consideration of the Safe Yield Reset Agreement by the Court. Staff's recommendation is to collect fifty percent of last year's Appropriative Pool Admin and OBMP assessments, including those paid on behalf of the Agricultural Pool, in addition to fifty percent of last year's Recharge Debt and Recharge Improvement assessments, and to collect fifty percent of last year's Non-Ag Pool Admin and OBMP assessments. This recommendation was discussed during the Pool meetings last month. Unchanged, it is being brought back this month for action. Levying of assessments is authorized through separate resolution, Resolution 2015-08 (Attachment 1).

If Resolution 2015-08 is approved through the Watermaster process in November, the invoices will be mailed in late November and assessments will be due 30 days later.

ATTACHMENTS

1. Resolution 2015-08: A resolution of the Chino Basin Watermaster interim assessments for Fiscal Year 2015-2016

RESOLUTION 2015-08

A RESOLUTION OF THE CHINO BASIN WATERMASTER
INTERIM ASSESSMENTS FOR FISCAL YEAR 2015-2016

WHEREAS, the Chino Basin Watermaster was appointed on January 27, 1978, under Case No. RCV 51010 (formerly case No. SCV 164327) entitled Chino Basin Municipal Water District v. City of Chino, et al., with powers to levy and collect administrative and replenishment assessments necessary to maintain water levels and to cover the cost of administering the Chino Basin Judgment; and

WHEREAS, the Watermaster Advisory Committee approved and the Watermaster Board adopted the Fiscal Year 2015-2016 Budget on May 28, 2015, to carry out the necessary Watermaster functions under the Judgment; and

WHEREAS, though, due to uncertainty as to the accounting for water use in Production Year 2014-2015, it is not possible to finalize the Assessment Package at this time, it is necessary for Watermaster to assess the Parties a portion of the anticipated expenses for the year in order to fund Watermaster's activities until the Assessment Package can be finished, at which time a further assessment will be made in order to fund the full budgeted expenses for the year.

NOW, THEREFORE, BE IT RESOLVED that the Chino Basin Watermaster levies the respective assessments for each pool effective November 19, 2015 as shown on Exhibit "A" attached hereto.

BE IT FURTHER RESOLVED, that pursuant to the Judgment, each party has thirty-days from the date of invoice to remit the amount of payment for assessments due. After that date, interest will accrue on that portion which was due as provided for in Section 55 (c) of the Restated Judgment.

THE FOREGOING RESOLUTION was

APPROVED by the Advisory Committee on the 19th day of November 2015.

ADOPTED by the Watermaster Board on the 19th day of November 2015.

By: _____
Chairman, Watermaster Board

APPROVED:

Chairman, Advisory Committee

ATTEST:

Secretary, Watermaster Board

Exhibit "A"
Resolution 2015-08

Interim Assessments
Fiscal Year 2015-2016
(Production Year 2014-2015)

Appropriative Pool Party	Appropriative Pool		Ag Pool SY Reallocation		Recharge	Recharge	Total
	Admin	OBMP	Admin	OBMP	Debt Payment	Improvemnt Project	
Arrowhead Mtn Spring Water Co	\$2,426.31	\$5,248.79	\$0.00	\$0.00	\$0.00	\$0.00	\$7,675.10
Chino Hills, City Of	\$46,233.63	\$100,016.34	\$8,749.53	\$18,935.01	\$8,313.16	\$24,858.21	\$207,105.86
Chino, City Of	\$0.00	\$0.00	\$36,633.49	\$79,279.13	\$15,881.56	\$47,489.44	\$179,283.60
Cucamonga Valley Water District	\$103,177.92	\$223,202.86	\$10,087.16	\$21,829.79	\$14,249.58	\$42,609.46	\$415,156.77
Desalter Authority	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fontana Union Water Company	\$0.00	\$0.00	\$13,956.33	\$30,203.12	\$25,163.97	\$75,245.94	\$144,569.35
Fontana Water Company	\$98,416.51	\$212,902.58	\$3,046.62	\$6,593.24	\$4.32	\$12.91	\$320,976.17
Fontana, City Of	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Golden State Water Company	\$4,712.72	\$10,194.93	\$897.94	\$1,943.24	\$1,619.03	\$4,841.25	\$24,209.10
Jurupa Community Services District	\$115,317.42	\$249,464.02	\$65,150.65	\$119,352.42	\$8,114.56	\$24,264.35	\$571,663.40
Marygold Mutual Water Company	\$8,414.30	\$18,202.49	\$1,430.72	\$3,096.23	\$2,579.65	\$7,713.73	\$41,437.11
Monte Vista Irrigation Company	\$0.00	\$0.00	\$1,477.41	\$3,197.28	\$2,663.84	\$7,965.47	\$15,303.99
Monte Vista Water District	\$44,791.97	\$96,897.63	\$10,733.23	\$23,227.96	\$18,990.09	\$56,784.64	\$251,425.51
Niagara Bottling, LLC	\$8,592.57	\$18,588.13	\$0.00	\$0.00	\$0.00	\$0.00	\$27,180.70
Nicholson Trust	\$0.00	\$0.00	\$8.38	\$18.14	\$15.11	\$45.19	\$86.81
Norco, City Of	\$0.00	\$0.00	\$440.59	\$953.49	\$794.40	\$2,375.44	\$4,563.92
Ontario, City Of	\$100,461.09	\$217,325.59	\$32,283.64	\$69,865.56	\$44,775.76	\$133,889.61	\$598,601.24
Pomona, City Of	\$82,619.48	\$178,729.16	\$24,488.53	\$52,996.03	\$44,154.05	\$132,030.57	\$515,017.82
San Antonio Water Company	\$7,419.15	\$16,049.71	\$3,290.04	\$7,120.03	\$5,932.11	\$17,738.34	\$57,549.38
San Bernardino, County of (Shooting Park)	\$104.90	\$226.92	\$0.00	\$0.00	\$0.00	\$0.00	\$331.82
Santa Ana River Water Company	\$310.50	\$671.69	\$2,841.07	\$6,148.41	\$5,122.60	\$15,317.72	\$30,411.98
Upland, City Of	\$18,061.10	\$39,071.23	\$6,228.09	\$13,478.31	\$11,229.56	\$33,578.91	\$121,647.19
West End Consolidated Water Co	\$0.00	\$0.00	\$2,068.85	\$4,477.22	\$3,730.24	\$11,154.24	\$21,430.54
West Valley Water District	\$0.00	\$0.00	\$1,406.77	\$3,044.41	\$2,536.48	\$7,584.63	\$14,572.28
Total	\$641,059.53	\$1,386,792.05	\$215,219.01	\$465,759.00	\$215,870.00	\$645,500.00	\$3,570,199.57

NOTE: If a Party has an amount due of less than \$500 (including special assessments), collection will be deferred until the final assessment invoice later in the fiscal year.

Non-Agricultural Pool Party	Non-Ag Pool		Total
	Admin	OBMP	
Ameron International Corp.	\$0.00	\$0.00	\$0.00
Aqua Capital Management LP	\$0.00	\$0.00	\$0.00
California Speedway Corp. (Auto Club Speedw	\$2,789.09	\$6,033.58	\$8,822.67
California Steel Industries, Inc. (CSI)	\$9,071.67	\$19,624.57	\$28,696.24
Calmat Co., a Division of Vulcan Materials Co	\$0.00	\$0.00	\$0.00
CCG Ontario, LLC	\$0.00	\$0.00	\$0.00
General Electric Co. (GE)	\$0.03	\$0.06	\$0.08
Hamner Park Associates (Swan Lake MHP)	\$1,829.06	\$3,956.78	\$5,785.84
Monte Vista Water District	\$0.00	\$0.00	\$0.00
NRG California South LP	\$1,855.87	\$4,014.78	\$5,870.65
Ontario, City of (Non-Ag)	\$11,873.26	\$25,685.19	\$37,558.45
Praxair, Inc.	\$0.00	\$0.00	\$0.00
Riboli Family / San Antonio Winery	\$66.58	\$144.03	\$210.61
San Bernardino, County of (Chino Airport)	\$667.38	\$1,443.73	\$2,111.11
Southern California Edison Co. (SCE)	\$0.00	\$0.00	\$0.00
Southern Service Co. (Angelica)	\$233.72	\$505.61	\$739.33
Space Center Mira Loma, Inc.	\$599.73	\$1,297.39	\$1,897.12
TAMCO	\$114.24	\$247.14	\$361.38
West Venture Development Co.	\$0.00	\$0.00	\$0.00
Total	\$29,100.62	\$62,952.83	\$92,053.45

NOTE: If a Party has an amount due of less than \$500 (including special assessments), collection will be deferred until the final assessment invoice later in the fiscal year.

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN BERNARDINO)

I, J. Arnold Rodriguez, Secretary of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 2015-08, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

CHINO BASIN WATERMASTER

Secretary

Date: _____

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CHINO BASIN WATERMASTER

- II. BUSINESS ITEMS (Appropriative Pool)
 - C. 2016 VOLUME VOTE



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 17, 2015

TO: Appropriative Pool Committee Members

SUBJECT: Calendar Year 2016 Appropriative Pool Committee Volume Vote

SUMMARY

Issue: Following the development of the Assessment Package each year, volume vote calculations for the new calendar year are performed and Parties are allocated a voting percentage. However, due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed beyond its usual November timeframe.

Recommendation: Provide advice and counsel to Watermaster Staff in regard to how the Calendar Year 2016 Appropriative Pool Volume Vote should be handled. Two options are provided below.

Financial Impact: None.

Future Consideration

Appropriative Pool: November 17, 2015 Provide advice and counsel.

ACTIONS:

November 17, 2015 – Appropriative Pool –

BACKGROUND

Following the development of the Assessment Package each year, Volume Vote calculations for the new calendar year are performed and Parties are allocated a voting percentage. However, due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed. It will not be produced until the Court has considered the Safe Yield Reset Agreement, which is expected in a few months.

The total voting power on the Pool Committee is 1,000 votes. Of these, 500 votes are allocated based on each Party's percentage of Operating Safe Yield. The remaining 500 votes are allocated proportionally based on production during the preceding year.

DISCUSSION

Last month, at the Appropriative Pool meeting, the Pool requested that options be brought forward this month for discussion. There are two options at this time, and Staff seeks advice and counsel as to which option the Pool wishes to use:

1. Continue the Calendar Year 2015 Volume Vote (as presented and approved in November 2014, see Attachment 1) until the 2015-2016 Assessment Package (based on Production Year 2014-2015) is approved. A new Volume Vote will be brought forward for action in the same month that the new Assessment Package is approved.
2. A new interim Volume Vote can be calculated once all of the Water Activity Reports (WARs) are received. Although the official production will not have been approved at that point, it is not expected that it will change after that time. It is expected to have all of the WARs received, and the production database updated, by early December. The new interim Volume Vote can then be calculated and presented on the January Appropriative Pool agenda. It can be presented ahead of other action items on the agenda, in the event that a Volume Vote is requested during the meeting. Once the Assessment Package is completed and approved, the Volume Vote can be approved as final, or updated as necessary.

ATTACHMENTS

1. 2015 Appropriative Pool Volume Vote table



Chino Basin Watermaster 2015 Appropriative Pool Volume Vote

Assessment Year 2014-2015 (Production Year 2013-2014)

	Assessable Production			Share of Safe Yield		TOTAL VOLUME VOTE	
	Acre-Ft	Percentage	Votes	Acre-Ft	Votes	Non-Minor	Minor
Arrowhead Mtn Spring Water Co	379.111	0.378%	1.892	0.000	0.000		1.892
Chino Hills, City Of	7,224.004	7.212%	36.060	2,111.422	19.253	55.313	
Chino, City Of	0.000	0.000%	0.000	4,033.857	36.782	36.782	
Cucamonga Valley Water District	16,121.550	16.095%	80.475	3,619.454	33.004	113.478	
Fontana Union Water Company	0.000	0.000%	0.000	6,391.736	58.283	58.283	
Fontana Water Company	15,377.579	15.352%	76.761	1.000	0.009	76.770	
Fontana, City Of	0.000	0.000%	0.000	0.000	0.000		0.000
Golden State Water Company	736.362	0.735%	3.676	411.476	3.752		7.428
Jurupa Community Services District	18,018.347	17.989%	89.943	2,061.118	18.794	108.737	
Marygold Mutual Water Company	1,314.734	1.313%	6.563	655.317	5.975		12.538
Monte Vista Irrigation Company	0.000	0.000%	0.000	676.759	6.171		6.171
Monte Vista Water District	6,998.745	6.987%	34.936	4,823.954	43.987	78.923	
Niagara Bottling, LLC	1,342.588	1.340%	6.702	0.000	0.000		6.702
Nicholson Trust	0.000	0.000%	0.000	4.000	0.036		0.036
Norco, City Of	0.000	0.000%	0.000	201.545	1.838		1.838
Ontario, City Of	15,697.045	15.671%	78.356	11,373.816	103.711	182.067	
Pomona, City Of	12,909.293	12.888%	64.440	11,215.852	102.271	166.711	
San Antonio Water Company	1,159.242	1.157%	5.787	1,506.888	13.740		19.527
San Bernardino, County of (Shooting Park)	16.390	0.016%	0.082	0.000	0.000		0.082
Santa Ana River Water Company	48.515	0.048%	0.242	1,301.374	11.866		12.109
Upland, City Of	2,822.046	2.817%	14.087	2,852.401	26.009	40.096	
West End Consolidated Water Co	0.000	0.000%	0.000	947.714	8.642		8.642
West Valley Water District	0.000	0.000%	0.000	644.317	5.875		5.875
TOTAL	100,165.551	100.000%	500.000	54,834.000	500.000	917.160	82.840

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CHINO BASIN WATERMASTER

- II. BUSINESS ITEMS (Non-Agricultural Pool)
 - C. 2016 VOLUME VOTE



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 12, 2015
TO: Overlying (Non-Agricultural) Pool Committee Members
SUBJECT: Calendar Year 2016 Overlying (Non-Agricultural) Pool Volume Vote

SUMMARY

Issue: Following the development of the Assessment Package each year, volume vote calculations for the new calendar year are performed and Parties are allocated a voting percentage. However, due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed beyond its usual November timeframe.

Recommendation: Provide advice and counsel to Watermaster Staff in regard to how the Calendar Year 2016 Overlying (Non-Agricultural) Pool Volume Vote should be handled. Two options are provided below.

Financial Impact: None.

Future Consideration

Non-Agricultural Pool: November 12, 2015 Provide advice and counsel.

ACTIONS:

November 12, 2015 – Non-Agricultural Pool –

BACKGROUND

Following the development of the Assessment Package each year, Volume Vote calculations for the new calendar year are performed and Parties are allocated a voting percentage. However, due to the Safe Yield Reset process this year, and the effects that it has on the Assessment Package, production of the Assessment Package will be delayed. It will not be produced until the Court has considered the Safe Yield Reset Agreement, which is expected in a few months.

The total voting power on the Pool Committee is 1,484 votes. Of these, 742 votes are to be allocated based on one vote for each ten acre-feet or fraction thereof of Safe Yield. The remaining 742 votes are allocated proportionally based on production during the preceding year. Due to recent water transfers, if each Party is given one vote for each ten acre-feet or fraction thereof of Safe Yield, the total for that portion of the Volume Vote is 743 rather than 742. The logical solution to address this is to pro-rata reduce the 743 votes down to 742 votes; this is the same methodology that has been used the last few years. Please note that this approach has a very minor effect on each Party's vote.

DISCUSSION

Last month, at the Overlying (Non-Agricultural) Pool meeting, the Pool was advised of the matter. There are two options at this time, and Staff seeks advice and counsel as to which option the Pool wishes to use:

1. Continue the Calendar Year 2015 Volume Vote (as presented and approved in November 2014, see Attachment 1) until the 2015-2016 Assessment Package (based on Production Year 2014-2015) is approved. A new Volume Vote will be brought forward for action in the same month that the new Assessment Package is approved.
2. A new interim Volume Vote can be calculated once all of the Water Activity Reports (WARs) are received. Although the official production will not have been approved at that point, it is not expected that it will change after that time. It is expected to have all of the WARs received, and the production database updated, by early December. The new interim Volume Vote can then be calculated and presented on the January Appropriative Pool agenda. It can be presented ahead of other action items on the agenda, in the event that a Volume Vote is requested during the meeting. Once the Assessment Package is completed and approved, the Volume Vote can be approved as final, or updated as necessary.

ATTACHMENTS

1. 2015 Overlying (Non-Agricultural) Pool Volume Vote table



Chino Basin Watermaster 2015 Non-Ag Pool Volume Vote (Updated)

Assessment Year 2014-2015 (Production Year 2013-2014)

	Assessable Production			Share of Safe Yield			TOTAL VOLUME VOTE
	Acre-Ft	Percentage	Votes	Acre-Ft	WV Realloc	Votes	
Ameron International Corp.	0.000	0.000%	0.000	82.858	0.176	8.988	8.988
Aqua Capital Management LP	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
California Speedway Corp. (Auto Club Sp	435.795	9.584%	71.115	1,000.000	2.130	100.864	171.979
California Steel Industries, Inc. (CSI)	1,417.448	31.173%	231.307	1,615.137	3.440	161.782	393.089
Calmat Co., a Division of Vulcan Materia	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
CCG Ontario, LLC	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
General Electric Co. (GE)	0.004	0.000%	0.001	0.000	0.000	0.000	0.001
Hamner Park Associates (Swan Lake Mf	285.791	6.285%	46.637	464.240	0.989	46.937	93.574
Monte Vista Water District (Non-Ag)	0.000	0.000%	0.000	50.000	0.106	5.992	5.992
NRG California South LP	289.980	6.377%	47.321	954.540	2.033	95.871	143.191
Ontario, City of (Non-Ag)	1,855.196	40.801%	302.741	2,910.788	6.200	291.607	594.348
Praxair, Inc.	0.000	0.000%	0.000	1.000	0.002	0.999	0.999
Riboli Family / San Antonio Winery	10.403	0.229%	1.698	0.000	0.000	0.000	1.698
San Bernardino, County of (Chino Airport	104.278	2.293%	17.017	133.870	0.285	13.981	30.998
Southern California Edison Co. (SCE)	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Southern Service Co. (Angelica)	36.519	0.803%	5.959	18.789	0.040	1.997	7.957
Space Center Mira Loma, Inc.	93.708	2.061%	15.292	104.121	0.222	10.985	26.277
TAMCO	17.850	0.393%	2.913	15.000	0.032	1.997	4.910
West Venture Development Co.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
TOTAL	4,546.972	100.000%	742.000	7,350.343	15.655	742.000	1,484.000

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CHINO BASIN WATERMASTER

- II. BUSINESS ITEMS (Appropriative Pool)**
 - D. WATERMASTER REAPPOINTMENT**



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 17, 2015
TO: Appropriative Pool Committee Members
SUBJECT: Watermaster Reappointment

SUMMARY

Issue: Current Watermaster appointment expires in February 2016. To ensure there is no lapse in Watermaster appointment a motion needs to be filed with the Court recommending the future appointment of Watermaster. Additionally the Appropriative Pool needs to indicate its direction on the manner in which the 15-year rotation of its representatives to the Board should be re-initiated in January 2016.

Recommendation: Discuss and determine the Appropriative Pool's and its members' preference on future Watermaster appointment.

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

Future Consideration

Appropriative Pool: November 17, 2015 Determine Pool's and members' preference
Advisory Committee: November 19, 2015 Determine Advisory Committee preference
Watermaster Board: November 19, 2015 Direct staff to file motion with the Court

ACTIONS:

September 10, 2015 – Appropriative Pool – Designated Mr. Darron Poulsen to represent the Pool in an ad hoc committee among all three pools
September 10, 2015 – Non-Agricultural Pool – Designated Mr. Brian Geye to represent the Pool in an ad hoc committee among all three pools
September 15, 2015 – Agricultural Pool – Designated Mr. Jeff Pierson to represent the Pool in an ad hoc committee among all three pools
October 8, 2015 – Non-Agricultural Pool – provided guidance to Mr. Brian Geye on the Pool's preference
Date – Advisory Committee –
Date – Watermaster Board –

BACKGROUND

Pursuant to the 1978 Judgment, Chino Basin Municipal Water District (CBMWD) (now Inland Empire Utilities Agency), served as the initial Watermaster. Following the interim appointment of the California Department of Water Resources as Watermaster in April, 1997, on February 19, 1998, the Court appointed the Nine-Member Board as Watermaster. In its order establishing the nine-member Board, the Court directed the Board to develop and submit an OBMP for approval on or before July, 2000. (February 19, 1998 Ruling, at 4.)

Having completed the OBMP, Watermaster filed a Motion to re-appoint the Board with the Court on August 30, 2000. On September 28, 2000, the Court appointed the Board to a five-year term as Watermaster. In its September 28, 2000 Order, the Court expressly conditioned the re-appointment, requiring Watermaster to: file a report on the status of its efforts to resolve the terms and conditions applicable to the purchase of desalted water and to secure a recession of Western Municipal Water District's conditional execution of the Peace Agreement, to adopt revised Rules and Regulations subject to Court approval, to submit reports, including schedule and budget information, in accordance with the schedule set forth in the Order, and to cooperate with independent assessment and verification of the data in the reports by the Special Referee and her technical expert.

The September 28, 2000 Order further stated that "a primary concern of the Court in any future application for re-appointment ... will be the parties' continued commitment to provide for future desalters and preserve safe yield in accordance with the OBMP" and that "any future application for re-appointment ... may be conditioned on the development of a detailed plan to reach the OBMP goal of 40,000 acre-feet per year of desalting capacity" to be installed by 2020. (September 28, 2000 Order, at 7.) Finally, the Court noted certain additional factors—installation of production meters; completion of basin monitoring systems; completion of a Recharge Master Plan and installation of appropriate recharge facilities; and expansion of Desalter I and installation of Desalter II—that it would consider when the Board sought re-appointment.

On December 31, 2005, Watermaster filed a Motion to Re-appoint the Nine Member Board, stating that Watermaster had complied with all five of the express conditions for re-appointment included in the 2000 Order, and described compliance measures with each. (December 31, 2005 Motion, at 3:7-4:3.) The motion also addressed the additional factors for re-appointment from the Court's September, 2000 Order, stating that Watermaster had completed, or was in the process of completing, installation of meters for active wells, detailed the monitoring programs that had been initiated during the Board's previous term, described the completion of the Recharge Master Plan Phase II Report and summarized its contents. (Id., at 6:20-27.) The December 31, 2005 Motion stated that it had been unanimously approved by all Pool Committees, the Advisory Committee, and the Board before filing, and that Watermaster knew of no opposition to the re-appointment. (Id., at 13-18.)

On January 20, 2006, the Special Referee filed her Comments and Recommendations Concerning Motion to Re-appoint the Nine-Member Board for a Further Five-Year Term, in which agreed that Watermaster had completed most, though not all of the requirements imposed by the Court for re-appointment of the nine-member board. Of particular concern to the Special Referee was that the State of the Basin Report did not include a detailed discussion of how the 40 mgd target for desalter capacity would be achieved, what the effects of desalter operation would be, or whether and how replenishment obligations would be met. (January 20, 2006 Special Referee's Comments and Recommendations, at 8.) The Special Referee suggested that if the Court decided to re-appoint the Board, it should require certain assurances from the Board at 3-, 6-, and 12-month intervals, and recommended that the Court consider the Motion to be for a re-appointment of a 2-year interval. (Id., at 12-15.)

On January 30, 2006, Watermaster filed its Comments and Opposition to Special Referee Report, joined by the City of Ontario and the Cucamonga Valley Water District. Watermaster's filing objected to the Special Referee's understatement of the actual accomplishments of Watermaster, and her focus on Watermaster's few failures to strictly comply with the Court's 2000 Order, noting consistent consensus-

based implementation of OBMP initiatives, the securing of funding for the desalters, the finalization of the Recharge Master Plan, the completion and Court approval of the Watermaster Rules and Regulations, as well as other successes. Finally, Watermaster and the joining parties stressed that their Motion had requested re-appointment for five years, and that the Court could not properly construe the motion as one for a 2-year term. (Id., at 10.)

In a February 9, 2006, Order, the Court granted Watermaster's December 20105 Motion, and re-appointed the Board for a 5-year term. The Court commended Watermaster and the parties on their "remarkable achievements" in implementing the OBMP. (February 2006 Order, at 3.) The Court required that Watermaster to continue to make progress toward future desalting up to the 40,000 acre-feet annually described in the OBMP. (Id., at 4.) The Court was also interested in how Watermaster would address issues expressly reserved to Watermaster pursuant to the Peace Agreement and Watermaster's Rules and Regulations. (Ibid.) Finally, the Court directed Watermaster, its staff, and legal counsel to ensure that future reports were timely, transparent, and responsive to the question of whether Watermaster is implementing the Peace Agreement and OBMP in a manner consistent with the Judgment and Court Orders. (Ibid.)

On December 17, 2010, Watermaster filed a Motion for Re-Appointment of the Nine-Member Board. The December 17, 2010 Motion noted that the 2006 Order re-appointing the Board had not established any further criteria for re-appointment, but had described general concerns that Watermaster was to address. Because Watermaster had addressed all of the concerns from the 2006 Order, and Watermaster knew of no objection to re-appointment, it requested that the Board be re-appointed for an additional five-year term. The Court issued an Order on January 26, 2011 re-appointing the Board. The 2011 Order did not include any conditions, and granted the 2011 Motion appointing the Board to a new five-year term expiring on February 10, 2016.

DISCUSSION

The Appropriative Pool is being asked for its advice on the matter of Watermaster reappointment. The latest 5-year Watermaster appointment expires in February 2016. A motion needs to be filed with the Court with a recommended approach.

The Overlying (Non-Agricultural) Pool has expressed its advice to recommend a 5-year Watermaster re-appointment, without any change to Watermaster Board make-up. The Overlying (Agricultural) has also expressed its advice to recommend a 5-year Watermaster re-appointment without any change to Watermaster Board make-up. Both Pools indicated they would consider reasons, if any were offered by the Appropriative Pool, for considering a term other than 5 years.

In addition to the Watermaster re-appointment, the Appropriative Pool is being asked to clarify how its three Watermaster Board seats are to be filled, consistent with its rotation sequence submitted to the Court in the year 2000. The rotation sequence submitted to the Court specifies the members which are to appoint representatives to the three Appropriative Pool seats on the Board through 2015, and specifies it was intended to perpetuate indefinitely unless there is a Court-approved change. To avoid any doubt, Watermaster staff is requesting the Appropriative Pool to clarify which members will be appointing representatives to the three Board seats assigned to the Appropriative Pool effective January 2016, and in the future.

CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

B. ENGINEER REPORT

1. Proposed Change to the Nitrate Concentration Objective for the Chino-South Groundwater Management Zone

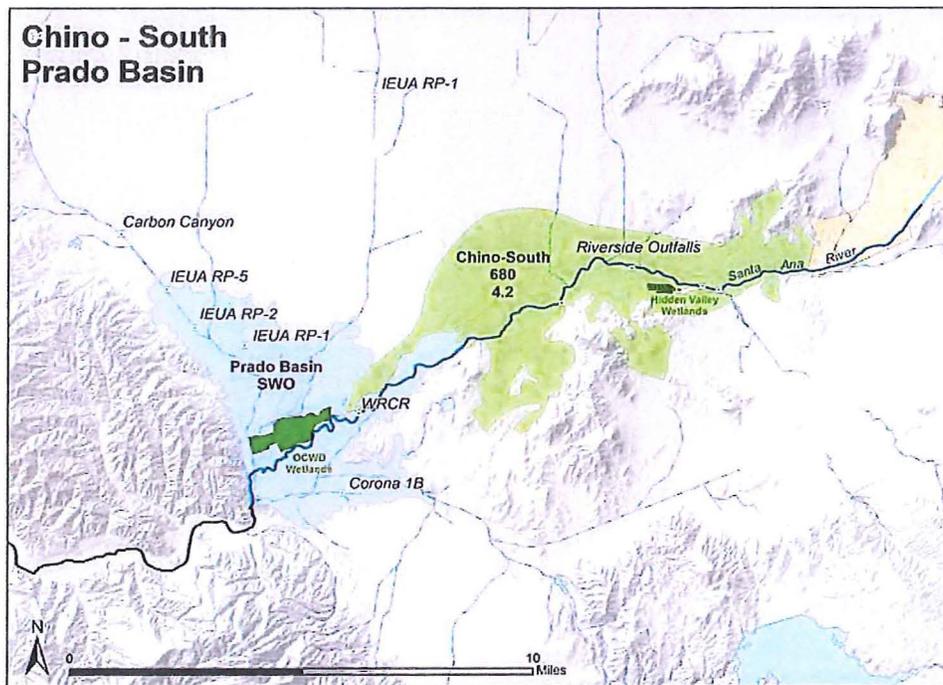
Petition to Revise Water Quality Objective for Nitrate-Nitrogen in Chino-South Management Zone

I. Background

The Chino-South groundwater management zone (CSMZ) is located extreme northwest corner of Riverside County directly under Reach 3 of the Santa Ana River (see Fig. 1). The CSMZ was established by the Santa Ana Regional Water Quality Control Board ("Regional Board") when the Basin Plan was updated in 2004.¹ The CSMZ was designated MUN to reflect the fact that the aquifer serves as a source of domestic or municipal drinking water supply.

The Regional Board also adopted a water quality objective of 4.2 mg/L for nitrate (as nitrogen) in the CSMZ. The water quality objective is based on the volume-weighted average concentration of nitrate-nitrogen for the 20-year period beginning in 1954 and ending in 1973.² Since 4.2 mg/L is significantly less (better) than the Primary Maximum Contaminant Level³ (MCL) of 10 mg/L for nitrate (as nitrogen), the water quality objective was set at a level intended to maintain this high quality water as required by the state's antidegradation policy.⁴

Fig.1 Chino-South Groundwater Management Zone (CSMZ)⁵



¹ Res. No. 2004-0001 (January 22, 2004).

² Wildermuth Environmental, Inc. TIN/TDS Study Phase 2A of the Santa Ana Watershed, Development of Groundwater Management Zones, Estimation of Historic and Current TDS and Nitrogen Concentrations in Groundwater, Final Technical Memorandum. July 27, 2000.

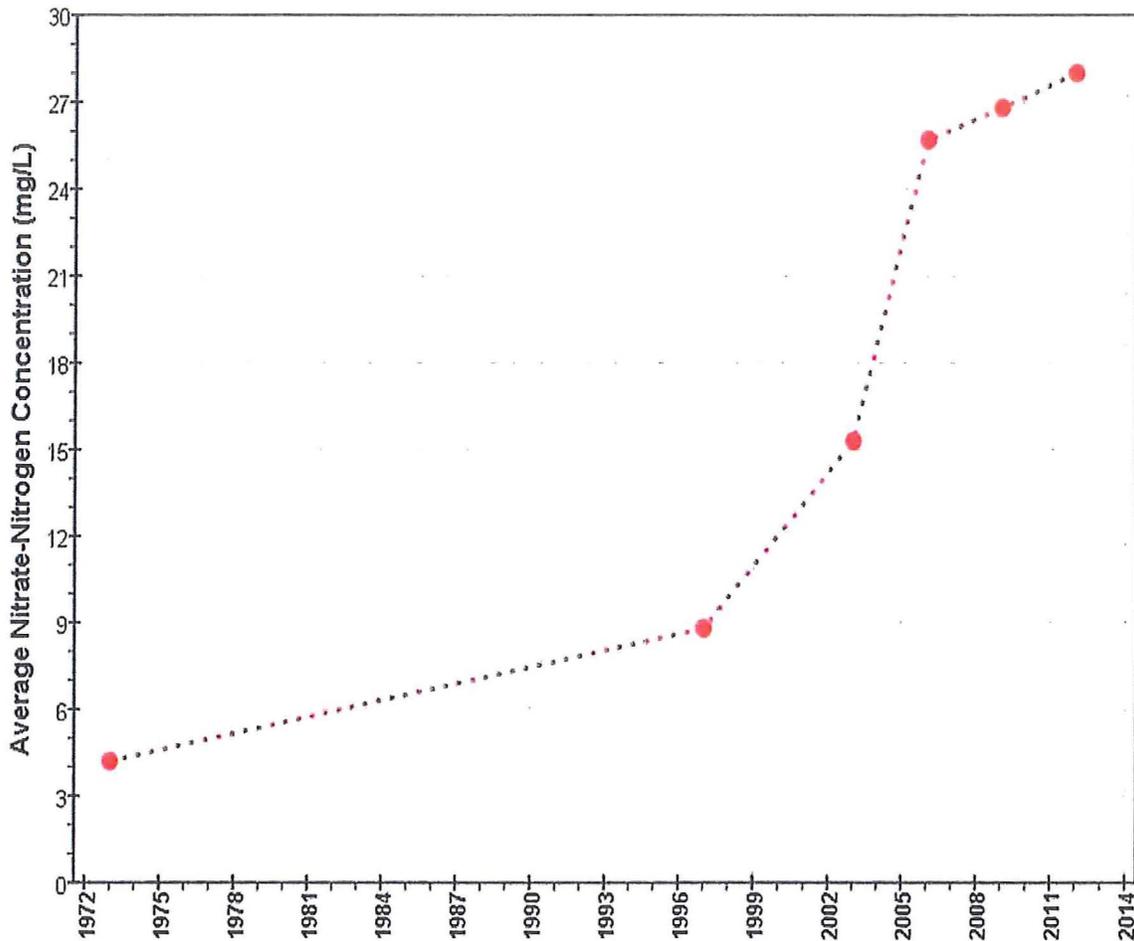
³ 22 CCR §64431(a); see Table 64431-A: Maximum Contaminant Levels for Inorganic Chemicals.

⁴ State Water Resources Control Board Resolution No. 68-16: Statement of Policy with Respect to Maintaining High Quality Waters in California. (October 28, 1968).

⁵ Map provided courtesy of Wildermuth Environmental, Inc.

In accordance with the regional groundwater monitoring and reporting program proscribed by the 2004 Basin Plan amendment, the average water quality conditions in each groundwater basin are reassessed every three years. Results from this on-going effort confirm there is a long-term trend of rising nitrate-nitrogen concentrations in the CSMZ (see Fig. 2). The most recent computation, for the period commencing in 1993 and ending in 2012, indicate that the volume-weighted average concentration now 28 mg/L.

Fig. 2: Long-term Trend for Nitrate Nitrogen Concentrations in the CSMZ⁶



⁶ Wildermuth Environmental, Inc. Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1993 to 2012. Technical Memorandum prepared for the Santa Ana Watershed Project Authority Basin Monitoring Program Task Force. August, 2014. (see Table 3-2 in original).

II. Regulatory Concerns

Because the current ambient average (28 mg/L) is greater than the applicable water quality objective (4.2 mg/L), there is no assimilative capacity for nitrate-nitrogen in the CSMZ. And, when permitting waste discharges to such basins, the State Water Board has declared that:

"Where the constituent in a groundwater basin is already at or exceeding the water quality objective, the Regional Board must set [effluent] limitations no higher than the objectives set forth in the Basin Plan. Exceptions to this rule may be granted where it can be shown that a higher discharge limitation is appropriate due to system mixing or removal of the constituent through percolation through the ground to the aquifer."⁷

The Regional Board relies on a Waste Load Allocation Model (WLAM) to derive appropriate discharge limitations. The WLAM was developed in a collaborative project between the Regional Board and SAWPA's Nitrogen/TDS Task Force.⁸ The Regional Board accepted and approved the WLAM as part of the 2004 Basin Plan update.⁹

The WLAM takes into account system mixing using more than 60 years of daily precipitation and streamflow data to estimate the influence on water quality from stormwater runoff in Reach 3 of the Santa Ana River overlying the CSMZ. The WLAM also accounts for the nitrate removal that occurs through the vadose zone. In the CSMZ area, the Regional Board has approved a site-specific nitrogen loss coefficient of 50% for streambed recharge to groundwater. The Basin Monitoring Program Task Force periodically re-runs the WLAM to adjust for changes in land use, wastewater discharges, and precipitation patterns. The most recent update was completed in early 2015.¹⁰

After taking into consideration system mixing (e.g. wastewater discharges, stormwater runoff, rising groundwater and other inputs) and nitrogen removal through streambed percolation, the 2014 WLAM shows that the long-term average concentration of Total Inorganic Nitrogen (TIN) recharging the CSMZ from Reach 3 of the Santa Ana River complies with the current Basin Plan objective under a wide range of discharge assumptions (see Table 1). However, during periods of drought, the volume-weighted average TIN concentration in the discharge may occasionally exceed 4.2 mg/L by a small amount (≤ 0.14 mg/L).

⁷ SWRCB Order No. WQ-81-5: In the Matter of the Petition of the City of Lompoc for Review of Order No. 80-03 (NPDES Permit No. CA 0048127), California Regional Water Quality Control Board, Central Coast Region. (March 19, 1981).

⁸ Wildermuth Environmental, Inc. TIN/TDS Study - Phase 2B of the Santa Ana Watershed, Wasteload Allocation Investigation Technical Memorandum. October, 2002.

⁹ Res. No. R8-2004-0001 (January 22, 2004).

¹⁰ Wildermuth Environmental, Inc. Addendum to the 2008 Santa Ana River Wasteload Allocation Model Report: Scenario 8. Technical Memorandum. January 5, 2015.

Table 1: TIN Recharge from SAR-Reach 3 to the CSMZ in 2020

Metric	Scenario 8d: Max. Recycle	Scenario 8e: Intermediate	Scenario 8f: Max. Discharge
Long-term Average (63 years)	4.03 mg/L	4.10 mg/L	4.14 mg/L
Single Highest 10-year Average	4.25 mg/L	4.31 mg/L	4.34 mg/L
Probability that average recharge quality will exceed 4.2 mg/L in any 10-yr. period	11.1%	30.2%	44.4%
Maximum amount the Basin Plan objective is exceeded	0.05 mg/L 1.1%	0.11 mg/L 2.6%	0.14 mg/L 3.3%

Using a worst case assumption that wastewater treatment plants must discharge 100% of their recycled water, there is a 44% probability that the average TIN concentration recharging to the CSMZ will exceed 4.2 mg/L in any given 10 year period. However, it is also estimated that the average TIN concentration will not be greater than 4.34 mg/L under such conditions (e.g. approximately 3.3% higher than the water quality objective for nitrate-nitrogen).

Although the exceedance is relatively small when it occurs, and the long-term average still complies with the Basin Plan objective, results from the WLAM complicate the process of deriving appropriate effluent limits for wastewater discharges flowing into Reach 3 of the Santa Ana River.

At present, all of the NPDES permits restrict the average TIN concentration to not more than 10 mg/L¹¹. However, because the WLAM indicates that imposition of the current effluent does not assure consistent compliance with the water quality objective in the CSMZ, the Regional Board is obligated to make some sort of adjustment to resolve the inconsistency. Options include:

- 1) Imposing more stringent effluent limits on nitrate-nitrogen discharges.
- 2) Using the long-term average, rather than the 10-year average, to evaluate compliance in the WLAM.
- 3) Revising the WLAM to include an appropriate translator between nitrate-nitrogen and Total Inorganic Nitrogen.¹²
- 4) Performing new site-specific studies to determine if a higher nitrogen-loss coefficient is appropriate.
- 5) Amend the Basin Plan to raise the nitrate-nitrogen objective from 4.2 mg/L to 5.0 mg/L in the CSMZ.

The Basin Monitoring Program Task Force recommends Option #5 to the Regional Board.

¹¹ The TIN limitation is specified as a running 12-month flow-weighted average.

¹² Nitrate-nitrogen generally comprises approximately 85% of Total Inorganic Nitrogen.

III. Antidegradation Analysis

It is important to emphasize that the Primary MCL for nitrate-nitrogen is 10 mg/L. The current Basin Plan objective of 4.2 mg/L was established to protect water quality that was (from 1954 to 1973) better than that objective. As such, the existing objective represents an antidegradation target not a use protection threshold.

Raising the nitrate-nitrogen objective from 4.2 to 5.0 mg/L will continue to protect the designated MUN use in the CSMZ because the it is still only one-half of the MCL. Such a change poses no increased risk to human health for those drinking well water and, therefore, will not unreasonably affect existing and anticipated beneficial uses in the CSMZ.

Results from the WLAM demonstrate that the current NPDES effluent limitations are adequate to ensure that water and wastewater recharging to the CSMZ through streambed percolation in Reach 3 of the Santa Ana River will be able to consistently comply with a nitrate-nitrogen objective of 5.0 mg/L as both a 10-year and as a single year average. Thus, allowing lower water quality will not cause pollution or nuisance in the receiving groundwater basin even during drought conditions.

Increasing the nitrate-nitrogen objective is consistent with maximum benefit to the people of California because it would actually help improve water quality in the CSMZ. The current average ambient nitrate-nitrogen concentration in the CSMZ is already much higher than the Basin Plan objective (28 mg/L vs. 4.2 mg/L, respectively). Raising the nitrate-nitrogen objective to 5.0 mg/L allows lower water quality compared to the 1954-73 average but would assure much better water quality compared to current conditions.

When wastewater percolates through the vadose zone, 50% of the nitrogen mass is lost during the process. Thus, wastewater discharged with an average nitrate-nitrogen concentration of 10 mg/L will arrive at the CSMZ with an average concentration no greater than 5 mg/L in the recharge even if no stormwater dilution was present. Over time, this should significantly improve existing groundwater quality.

The wastewater treatment plants in the Santa Ana River watershed are implementing Best Practicable Treatment or Control (BPTC) for Total Inorganic Nitrogen. All of these facilities operate advanced nitrification and denitrification systems with a long record of consistent permit compliance. While it is technically feasible to install more sophisticated technologies to further reduce nitrate concentrations in the final effluent, doing so would not be consistent with maximum benefit to the people of California. More advanced nitrogen removal would require tens-of-millions of dollars in new treatment plant upgrades while yielding no discernable public health benefit for effluent discharges that are already meeting the MCL for nitrate in drinking water.

Raising the nitrate-nitrogen objective for the CSMZ from 4.2 mg/L to 5.0 mg/L will not threaten or impair downstream uses. The water quality objective for TIN in Reach 3 of the Santa Ana River is 10 mg/L.¹³ Results from the WLAM show that the average TIN concentration in this reach is less than 8.2 mg/L under all wastewater discharge scenarios and all expected precipitation conditions (including prolonged drought).

There is no established There is no established water quality objective for TIN in Reach 2 of the Santa Ana River, but, the WLAM shows that the 5-year moving average TIN concentration below Prado Dam is not expected to exceed 7 mg/L under all wastewater discharge scenarios and all expected precipitation conditions. There are no surface water supply intakes in Reach 2 and this segment was exempted from the MUN designation in accordance with the state Sources of Drinking Water policy.¹⁴

This is well below the Primary MCL for nitrate-nitrogen even though Reach 2 (like Reach 3) was exempted from the MUN designation in accordance with the state's Sources of Drinking Water Policy (SWRCB Res. No. 88-63). However, the Orange Country Management Zone (OCMZ) underlies Reach 2 of the Santa Ana River and this groundwater basin is designed MUN.

The WLAM model does not yet encompass the OCMZ. Nevertheless, in August of 2013, during the middle of a prolonged drought, the actual average TIN concentration below Prado Dam was approximately 4.8 mg/L. After applying a 25% nitrogen loss coefficient, it is reasonable to conclude that the average TIN concentration in water and wastewater recharging the OCMZ would be about 3.6 mg/L even without considering other potential sources of stormwater dilution in Reach 2. Since this is well below the MCL, raising the nitrate-nitrogen objective in the CSMZ will not unreasonably affect beneficial uses further downstream.

The nitrate-nitrogen objective for the OCMZ is 3.4 mg/L. The current (1993-2012) volume-weighted average TIN concentration in this groundwater basin is about 2.9 mg/L. And, long-term water quality monitoring data shows that average groundwater quality has not changed significantly over the last 15 years. Therefore, revising the CSMZ objective to allow the Regional Board to continue regulating upstream discharges in the same manner as it has in the past is not expected to lower water quality or adversely affect beneficial uses further downstream.

Recent studies, commissioned by the Basin Monitoring Program Task Force, indicate that continued discharge of high quality recycled water to Reach 3 of the Santa Ana River helps improve water quality below Prado Dam.¹⁵ The water quality objective for Total Dissolved Solids (TDS) in Reach 3 is 700 mg/L.¹⁶

¹³ Compliance with the TIN objective for Reach 3 is evaluated during summer baseflow conditions.

¹⁴ SWRCB Res. No. 88-63 (May 19, 1988; as amended by Res. No. 2006-0008 on Feb. 1, 2006).

¹⁵ Wildermuth Environmental, Inc. Volume-Weighted Summertime TDS Concentration of POTW Discharge above Prado Dam (June 15, 2015).

¹⁶ Compliance with the TDS objective is evaluated under summertime baseflow conditions using the average of at least 5 samples collected in August and September each year.

The average TDS concentrations, measured just below Prado Dam, have been slowly rising for several years and began to exceed the Basin Plan objective in the summer of 2012. Subsequent investigation revealed that the increase in average TDS concentration is almost entirely attributable to the reduction in discharge of high quality (low TDS) wastewater from Inland Empire Utilities Agency (IEUA) as they expand their recycled water program.¹⁷

All of the POTWs discharging to Reach 3 have effluent limits less than 700 mg/L and are in compliance with their NPDES permits. And, a follow-on study confirmed that the volume-weighted average TDS concentration of all other municipal wastewater being discharged to Reach 3 ranges between 529 mg/L and 569 mg/L during the summer baseflow period.

Since the volume-weighted average of all these discharges is less than 570 mg/L, it is clear that municipal effluent is not causing or contributing to the recent exceedances at Prado Dam. In fact, the continued discharge of high quality (low TDS) recycled water is helping to reduce the average TDS concentration in Reach 3.

It is important to recognize that allowing lower water quality "on paper," by raising the nitrate-nitrogen objective from 4.2 mg/L to 5.0 mg/L, is not expected to result in any actual change to the average TIN concentration in wastewater discharged to the Santa Ana River. The relatively small (19%) increase in the water quality objective for the CSMZ merely allows the Regional Board to authorize continued wastewater discharge based on the same effluent limits that already exist in the current NPDES permits. The proposed change simply legalizes the status quo.

Moreover, by authorizing a nominal increase in the nitrate-nitrogen objective in the CSMZ while leaving the actual TIN limits unchanged, it is much easier for the Regional Board to continue issuing NPDES permits that allow low TDS recycled water to be discharged in Reach 3. This, in turn, helps improve water quality below Prado Dam and provides maximum benefit to the people of California.

IV. Petition to Revise a Water Quality Objective

Based on the preceding antidegradation analysis, the Basin Monitoring Task Force respectfully petitions the Santa Ana Regional Water Quality Control Board to raise the nitrate-nitrogen objective for the Chino South Management Zone from 4.2 mg/L to 5.0 mg/L. The Task Force further recommends that the Regional Board make no change to the current effluent limits for TIN in the existing NPDES permits. The Task Force will continue to reassess ambient water quality in the CSMZ every 3 years and is planning to update the WLAM in 2018-19.

¹⁷ Wildermuth Environmental, Inc. Investigation and Characterization of the Cause(s) of Recent Exceedances of the TDS Concentration Objective for Reach 3 of the Santa Ana River. February 11, 2015.

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MAYOR

ALAN D. WAPNER
MAYOR PRO TEM

SHEILA MAUTZ
JIM W. BOWMAN
DEBRA DORST-PORADA
COUNCIL MEMBERS

CHRIS HUGHES
CITY MANAGER

MARY E. WIRTES, MMC
CITY CLERK

JAMES R. MILHISER
TREASURER

MARVIN SHAW
UTILITIES GENERAL MANAGER

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April 1, 2010

California Regional Water Quality Control Board
Attention: Gerard Thibeault, Executive Officer
3737 Main Street, Suite 600
Riverside, CA 92501-3348

SUBJECT: PROPOSED BASIN PLAN AMENDMENT TO RAISE THE NITRATE OBJECTIVE FOR THE CHINO SOUTH MANAGEMENT ZONE

Dear Mr. Thibeault:

The City of Ontario ("Ontario") has recently become aware that the Basin Monitoring Task Force (BMTF), and hence the Regional Board staff, may consider a Basin Plan amendment that would raise the nitrate objective¹ for the Chino South Management Zone from 4.2 mg/L to 5.0 mg/L. Ontario has concerns regarding such a proposed Basin Plan amendment and at this time opposes any increase to the nitrate objective. The attached Statement of Facts details Ontario's reasons for its objection.

Ontario is a member agency in the Chino Basin Desalter Authority ("CDA"). Ontario believes that raising the nitrate objective for the Chino South Management Zone will lead to more degradation in the Chino South Management Zone and will increase the cost of groundwater treatment at the CDA desalters. Raising the objective so that Riverside's discharge will be in compliance with the Basin Plan will allow greater nitrate concentrations in Santa Ana River recharge in the future. Recharge from the Santa Ana River is a significant contribution to the CDA well fields and dilutes the nitrate concentrations of other highly degraded groundwater. Increasing the nitrate concentration in river recharge will increase the nitrate concentration in groundwater tributary to the desalters and increase the cost of treatment. Raising the objective to ensure that Riverside can comply with the Basin Plan transfers Riverside's cost of compliance to the CDA, which is unfair to the CDA members and their rate payers.

¹ The nitrate objective and ambient nitrate concentrations are expressed herein in units of nitrate as nitrogen.

There is no need to raise the objective as Riverside will be in compliance if their TIN discharge limit is lowered to 10 mg/L. We understand they may be in compliance by a slim margin, but we also believe that they can operate their treatment plant to maintain TIN concentrations less than their permit limit and not at their permit limit. This is no different than how other agencies, such as IEUA, in the Chino Basin operate. IEUA operates its plants to discharge concentrations less than their permit limits at expense to many of the same ratepayers as are served by the CDA and also pay costs borne by the CDA.

Therefore, Ontario respectfully requests that the Regional Board not adopt a Basin Plan amendment proposed to increase the nitrate objective for Chino South. Should Regional Board staff have any questions regarding the CDA objection please contact Mr. Marv Shaw, Utilities General Manager, at (909) 395-2611.

Sincerely,



Marvin Shaw
Utilities General Manager

cc: Ken Manning/CEO Chino Basin Watermaster
Richard Atwater/CEO Inland Empire Utilities Agency
Scott Burton/ CDA Coordinator
Ken Jeske, KJ Consulting

Encl: Statement of Facts

Statement of Facts

April 1, 2010

The Chino Basin Desalter Authority (CDA)

Ontario is a member agency in the Chino Basin Desalter Authority. The CDA is joint powers agency that consists of the Cities of Chino, Chino Hills, Norco, and Ontario, the Jurupa Community Services District, the Santa Ana River Water Company, the Western Municipal Water District (WMWD), and the Inland Empire Utilities Agency (IEUA). The CDA was formed to plan, construct, and operate an extensive groundwater treatment system in the southern part of the Chino Basin where groundwater has been severely degraded by decades of discharges including industrial, urban and unregulated discharges from dairies and the irrigation return flows from about 100 years of agriculture. Dairy waste was trucked into the Chino Basin from Los Angeles and Orange Counties in the early half of the 1900s and disposed of on crop lands and dairies moved into the Chino Basin in the mid 1950s, rapidly expanded through the 1980s, and have since declined due to urbanization and other factors. In the absence of the CDA, this contaminated groundwater would discharge to the River, degrade River discharge, and impact downstream uses. The CDA wells are located strategically to eliminate the discharge of groundwater that originates in the Chino North Management Zone to the Santa Ana River and to maintain or increase the historical levels of Santa Ana River recharge to the Chino South Management Zone. To fund this activity the CDA treats the water to drinking water standards and wholesales to its member agencies as a beneficial use.

The CDA is providing regional benefits beyond the Chino Basin. In fact, the Regional Board has required the expansion of these facilities to achieve hydraulic control of the Basin. This expansion alone will cost three of the CDA agencies about \$130 million. Design and operation of CDA facilities including ability to blend water sources is based on current water quality and projections based on the current Basin Plan objectives. The CDA's investment in its facilities will reach about \$255 million by 2014. Annual operations and maintenance costs will reach about \$18.5 million by 2014. The revenue source for these costs is the sale of product potable water to member agencies and hence to ratepayers.

Hydrologic Setting

Numerous dischargers contribute to the Santa Ana River. The City of Riverside (Riverside) discharges its wastewater to the Santa Ana River at multiple locations, including one discharge point just downstream of the Riverside Narrows and multiple discharge points from the Hidden

Valley wetlands area. Currently, the Riverside discharge permit has a total inorganic nitrogen¹ concentration limit that enables Riverside to discharge up to about 13 mg/L.² The City of Rialto discharges to the River about eight miles upstream of the Riverside Narrows. The Cities of Colton and San Bernardino convey secondary-treated wastewater to the Rapid Infiltration and Extraction (RIX) treatment facility in Colton for tertiary treatment and subsequent discharge to the River. RIX discharges to the River upstream of the Riverside Narrows and just downstream of Rialto's point of discharge. Currently, the Rialto and RIX discharge permits have total inorganic nitrogen concentration limits that enable them to discharge TIN at up to about 10 mg/L. Finally, there is some rising groundwater that discharges to the River upstream of the Riverside Narrows; the nitrate concentration of this water was estimated to be about 11 mg/L.³

Currently, the wastewater discharges and the rising groundwater at the Riverside Narrows contribute about 55,000 acre-ft/yr of non-stormwater discharge to the River at the Riverside Narrows, and Riverside's discharge is about 35,000 acre-ft/yr, totaling about 85,000 acre-ft/yr of non-stormwater discharge to the River entering the Chino Basin. A recent investigation of flow conditions in the River⁴ indicated that this non-stormwater discharge in the Santa Ana River contributes a minimum of 32,000 acre-ft/yr of recharge to the Chino Basin, that the non-stormwater recharge has been occurring since at least 1971, and that this recharge has historically increased in proportion to the wastewater discharged to the River. Analyses of groundwater level data from the early 1960s to present clearly show that the Santa Ana River has been a major source of recharge to the Chino Basin.⁵ This is a source for the CDA wells and particularly with achievement of the required hydraulic control of the Chino Basin.

¹ TIN consists of ammonia + nitrite + nitrate and is expressed herein in units of nitrogen. The ammonia and nitrite oxidize rapidly converting to nitrate in the River and groundwater. Thus, the TIN concentration is a surrogate for nitrate concentration.

² The TIN limit is expressed as 13 mg/L for discharge up to 38 mgd and 10 mg/L for discharge in excess of 38 mgd, the effective permit limit being a volume-weighted average.

³ Wildermuth Environmental, Inc. (2009). *2008 Santa Ana River Wasteload Allocation Model Report*. Prepared for the Basin Monitoring Program Task Force.

⁴ Wildermuth Environmental, Inc. (2009). *White Paper, Recent Changes in Santa Ana River Discharge*. Prepared for the Santa Ana Watershed Project Authority.

⁵ Montgomery Watson. (1994). *Final Task 6 Memorandum, Development of a Three-Dimensional Groundwater Model*. Prepared for Santa Ana Watershed Project Authority.

Nitrogen Management Plan in the Basin Plan

In 1994, the Regional Board, several agencies with Publicly Owned Treatment Works (POTWs), and interested water agencies formed the Nitrogen/TDS Task Force to thoroughly review and completely overhaul the total dissolved solids (TDS) and nitrogen management plan in the Basin Plan. The updated TDS and nitrogen management plan was incorporated in the Basin Plan in 2004. New groundwater management zones were defined, new TDS and nitrate objectives were developed for those management zones, and then current ambient TDS and nitrate estimates were developed. A wasteload allocation investigation was included in this effort; the wasteload allocation was performed to determine whether the permit limits for TIN and TDS at River discharging treatment plants implement the Basin Plan.

The Basin Plan amendment also included default nitrogen loss rates for wastewater that discharges to groundwater. The default nitrogen loss rate was established to be 25 percent everywhere except within the Santa Ana River reach that crosses the Chino Basin, where the loss rate was established to be 50 percent. A discharger has the ability to conduct its own investigation to determine if a greater nitrogen loss rate is warranted. The Regional Board uses the nitrogen loss rate to establish permit limits for recycled water reuse and wastewater discharges to the Santa Ana River.

The 2006 Ambient TDS and Nitrate Determination and 2010 Wasteload Allocation Investigations

In 2007 and 2008, the Basin Monitoring Task Force conducted an investigation to determine the ambient TDS and nitrate concentrations in groundwater in the Santa Ana River Watershed.⁶ This work was completed and reported in 2008. The historical ambient TDS and nitrate concentration estimates for the Chino South Management Zone, their respective objectives, and the state of assimilative capacity are shown in the table below.

	Water Quality Objective	1997 Ambient Concentration	2003 Ambient Concentration	2006 Ambient Concentration	Current Estimate of Assimilative Capacity
TDS	680	720	790	940	None
Nitrate	4.2	8.8	15.3	25.7	None

There is no assimilative capacity for TDS or nitrate in the Chino South Management Zone, which means the Regional Board must establish permit limits for Rialto, RIX, and Riverside such

⁶ Wildermuth Environmental, Inc. (2008). *Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1987 to 2006*. Prepared for the Basin Monitoring Program Task Force.

that their discharges do not contribute to degradation in excess of the Basin Plan objectives. TDS is not an issue as the existing TDS permit limits for Rialto, RIX, and Riverside are less than the 680 mg/L objective. Though, seemingly, the TIN limits in these permits pose significant issues.

Regional Board staff is proposing a new compliance metric for discharge to surface water where that surface water contributes recharge to an underlying management zone. The proposed metric is defined as the ten-year, volume-weighted average concentration of the recharge from the surface water body. For the Santa Ana River in the Chino Basin, the proposed compliance metric for TIN would be the maximum ten-year, volume-weighted nitrate concentration. The volume weighting would be based on all sources of water recharging the basin in the streambed and their respective concentrations. The computation of the compliance metric is done with the Wasteload Allocation Model (WLAM). The WLAM simulates the daily Santa Ana River discharge and TDS and TIN concentrations for a period of 58 years (1950 through 2007). The attached table was developed in late 2009 and will be published in a report in mid 2010. This table shows the compliance metric values for various planning scenarios by management zone, the availability of assimilative capacity, and a determination as to whether the permit limits assumed in the scenario will implement the Basin Plan. The nitrate compliance metric computed for the Santa Ana River in the Chino South Management Zone is about 4.2 mg/L for all scenarios, with Rialto and RIX discharging at their current TIN concentration limits (10 mg/L) and Riverside's TIN concentration limit being lowered from about 13 mg/L to 10 mg/L. Thus if Riverside's TIN limit is reduced to 10, the maximum ten-year, volume-weighted recharge from the Santa Ana River to the Chino South Management Zone will be less than or equal to the nitrate objective.

Proposed Amendment

We understand that Riverside is concerned that reducing the TIN limit in their permit may not be enough to comply with the Basin Plan and that a subsequent wasteload allocation investigation in the future may indicate the need for a further reduction in their TIN discharge limit. The recent WLAM results, discussed above, suggest that lowering the Riverside permit limit from about 13 mg/L to 10 mg/L will just barely comply with the Basin Plan and therefore, Riverside is proposing that:

- the Regional Board reduce the TIN limit in their permit to 10 mg/L;
- the Regional Board increase the nitrate objective in the Chino South Management Zone from 4.2 mg/L to 5 mg/L; and

- compliance be based on the 50-percent default nitrogen loss rate provided for in the Basin Plan.

Riverside is arguing that increasing the nitrate objective to 5.0 mg/L will not impair beneficial uses as the drinking water standard is 10 mg/L and that, therefore, there will be no impacts to the municipal beneficial use. In short, Riverside believes that increasing the nitrate objective to 5.0 mg/L is consistent with the maximum benefit.

The CDA Opposes a Proposed Increase in the Nitrate Objective for Chino South

The CDA believes that raising the nitrate objective for the Chino South Management Zone will lead to more degradation in the Chino South Management Zone and will increase the cost of groundwater treatment at the CDA desalters. Raising the objective so that Riverside's discharge will be in compliance with the Basin Plan will allow greater nitrate concentrations in Santa Ana River recharge in the future. This is particularly true if newly proposed stormwater diversion and recharge projects occur upstream of the Riverside Narrows. Recharge from the River is a significant contribution to the CDA well fields and dilutes the nitrate concentrations of other highly degraded groundwater. Increasing the nitrate concentration in River recharge will increase the nitrate concentration in groundwater tributary to the desalters and increase the cost of treatment. Raising the objective to ensure that Riverside can comply with the Basin Plan transfers Riverside's cost of compliance to the CDA, which is unfair to the CDA members and their rate payers. The CDA believes that such a proposal would not pass a rigorous application of Water Code Section 13241.

There is no need to raise the objective as Riverside will be in compliance if their TIN discharge limit is lowered to 10 mg/L. We understand they may be in compliance by a slim margin, but we also believe that they can operate their treatment plant to maintain TIN concentrations less than their permit limit and not at their permit limit. That is no different than how other agencies such as IEUA in the Chino Basin operate. IEUA operates its plants to discharge concentrations less than their permit limits at expense to many of the same ratepayers as are served by the CDA and also pay costs borne by the CDA.

Therefore, Ontario respectfully requests that the Regional Board not adopt a Basin Plan amendment proposed to increase the nitrate objective for Chino South. Ontario intends to formally oppose this amendment should it be submitted to your Board for approval.

Attachment: Table 4 Comparison of TIN Objectives with Wasteload Allocation Model Results for Scenario 7

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CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for October 2015

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2015

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/05/2015	ACH 100115	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	09/26/2015	09/26/2015	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 09/13/15-09/26/15	2000 · Accounts Payable	6,054.54
TOTAL						6,054.54
General Journal	10/10/2015	10/10/2015	Payroll and Taxes for 09/27/15-10/10/15	Payroll and Taxes for 09/27/15-10/10/15	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 09/27/15-10/10/15	1012 · Bank of America Gen'l Ckg	21,963.22
				Payroll Taxes for 09/27/15-10/10/15	1012 · Bank of America Gen'l Ckg	7,633.72
			ICMA-RC	457(f) Employee Deductions for 09/27/15-10/10/15	1012 · Bank of America Gen'l Ckg	3,586.68
			ICMA-RC	401(a) Employee Deductions for 09/27/15-10/10/15	1012 · Bank of America Gen'l Ckg	1,121.70
TOTAL						34,305.32
Bill Pmt -Check	10/12/2015	18938	APPLIED COMPUTER TECHNOLOGIES	2627	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	2627		September 2015	6052.2 · Applied Computer Technol	3,000.00
TOTAL						3,000.00
Bill Pmt -Check	10/12/2015	18939	AUTOMOBILE CLUB OF SOUTHERN CALIF.	Membership# 98966125	1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	98966125		Watermaster yearly membership	6177 · Vehicie Repairs & Maintenance	78.00
TOTAL						78.00
Bill Pmt -Check	10/12/2015	18940	BOWCOCK, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/17/2015	9/17 Advisory Comm		9/17/15 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18941	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18942	CHARTER COMMUNICATIONS	8245100651455350	1012 · Bank of America Gen'l Ckg	
Bill	10/05/2015	8245100651455350		10/06/15-11/05/15	6053 · Internet Expense	64.99
TOTAL						64.99
Bill Pmt -Check	10/12/2015	18943	CHEF DAVE'S CAFE & CATERING	5683	1012 · Bank of America Gen'l Ckg	
Bill	09/24/2015	5683		Lunch for 9/24/15 Watermaster Board meeting	6312 · Meeting Expenses	666.80
TOTAL						666.80
Bill Pmt -Check	10/12/2015	18944	CORELOGIC INFORMATION SOLUTIONS	81619866	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	81619866		81619866	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81619866	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/12/2015	18945	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9/15 Ag Pool Mtg		9/15/15 Ag pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18946	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9/15 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				9/15/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18947	DIRECTV	019447404	1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	019447404		Monthly Service for 9/19/15 - 10/18/15	6031.7 · Other Office Supplies	110.98
TOTAL						110.98
Bill Pmt -Check	10/12/2015	18948	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2015	9/01 Brd Officers		9/01/15 Quarterly Board Officers and Chairs Mtg.	6311 · Board Member Compensation	125.00
Bill	09/22/2015	9/22 Brd Agenda		9/22/15 Board Agenda Preview Call	6311 · Board Member Compensation	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	6311 · Board Member Compensation	125.00
Bill	09/25/2015	9/25 Admin Mtg		9/25/15 Administrative Meeting	6311 · Board Member Compensation	125.00
Bill	09/30/2015	9/30 Admin Mtg		9/30/15 Administrative Meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	10/12/2015	18949	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2015	9/01 Bd Offcrs Mtg		9/01/15 Quarterly Board Officers and Chairs Mtg.	8470 · Ag Meeting Attend -Special	125.00
Bill	09/15/2015	9/15 Ag Pool Mtg		9/15/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/17/2015	9/17 Advisory Comm		9/17/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						500.00
Bill Pmt -Check	10/12/2015	18950	HALL, PETE*	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/10/2015	9/10 Appro Pool Mtg		9/10/15 Appropriative Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/10/2015	9/10 Non Ag Pool		9/10/15 Non-Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						375.00
Bill Pmt -Check	10/12/2015	18951	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9/15 Ag Pool Mtg		9/15/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18953	MONTE VISTA WATER DIST	Board Member Compensation	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2015

For Informational Purposes Only

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting - Mark Kinsey attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18954	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/10/2015	9/10 Appro Pool Mtg		9/10/15 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	09/17/2015	9/17 Advisory Comm		9/17/15 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	10/12/2015	18955	OFFICE TEAM	44024817	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	44024817		Week ending 9/25/15	6017.2 · Office Specialist Services	627.45
TOTAL						627.45
Bill Pmt -Check	10/12/2015	18956	PARK PLACE COMPUTER SOLUTIONS, INC.	503	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	503		IT Consulting Services - September 2015	6052.1 · Park Place Comp Solutn	3,675.00
TOTAL						3,675.00
Bill Pmt -Check	10/12/2015	18957	PATRAL CUSTOM CABINETS	2018	1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	2018		Drill grommet hole in Board room desk	6036 · Minor Office Furniture	80.00
TOTAL						80.00
Bill Pmt -Check	10/12/2015	18958	PAYCHEX	Payroll Services	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	2015100100		September 2015	6012 · Payroll Services	285.13
Bill	10/02/2015	2015100100		October 2015	6012 · Payroll Services	122.59
TOTAL						407.72
Bill Pmt -Check	10/12/2015	18959	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9/15 Ag Pool Mtg		9/15/15 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/17/2015	9/17 Advisory Comm		9/17/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/17/2015	9/17 RIPCom Mtg		9/17/15 RIP Com Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						500.00
Bill Pmt -Check	10/12/2015	18960	PREMIERE GLOBAL SERVICES	19505713	1012 · Bank of America Gen'l Ckg	
Bill	09/28/2015	19505713		Board mtg check call on 8/27	6312 · Meeting Expenses	15.10
				WM Coordination call on 8/31	6909.1 · OBMP Meetings	25.27
				Annual Report Kickoff meeting call on 9/02	6909.1 · OBMP Meetings	35.34
				Storage call on 9/03	7604 · PE8&9-Supplies	53.18
				Safe Yield call on 9/03	6906.73 · OBMP-Safe Yield Recalculation	40.38
				WM Coordination call on 9/08	6909.1 · OBMP Meetings	15.23

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Non-Ag Pool Mtg call on 9/10	8512 · Meeting Expense	47.40
				Admin call on 9/11	6141.3 · Admin Meetings	11.87
				WM Coordination call on 9/14	6909.1 · OBMP Meetings	29.31
				Appropriative Pool special mtg call on 9/17	8312 · Meeting Expenses	29.30
				Appropriative Pool special mtg call on 9/17	8312 · Meeting Expenses	4.06
				Admin call on 9/17	6141.3 · Admin Meetings	16.59
				Admin call on 9/17	6141.3 · Admin Meetings	19.69
				WM Coordination call on 9/21	6909.1 · OBMP Meetings	13.98
				Fee - General Line	6022 · Telephone	49.00
				Fee - Confidential Line	6022 · Telephone	49.00
				Service fee	6022 · Telephone	12.63
TOTAL						467.33
Bill Pmt -Check	10/12/2015	18961	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	10/05/2015	100000014627615		Unfunded accrued liability	60180 · Employers PERS Expense	3,077.00
TOTAL						3,077.00
Bill Pmt -Check	10/12/2015	18962	RAUCH COMMUNICATION CONSULTANTS, LLC Sept-1504		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	Sept-1504		Annual Report work through August 31, 2015	6061.3 · Rauch	82.50
TOTAL						82.50
Bill Pmt -Check	10/12/2015	18963	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	0023230253		Office Water Bottle - September 2015	6031.7 · Other Office Supplies	116.83
TOTAL						116.83
Bill Pmt -Check	10/12/2015	18964	RR FRANCHISING, INC.	Janitorial Services	1012 · Bank of America Gen'l Ckg	
Bill	09/18/2015	10976		Carpet cleaning on 7/11/15	6024 · Building Repair & Maintenance	600.00
Bill	10/01/2015	11339		October 2015	6024 · Building Repair & Maintenance	740.00
TOTAL						1,340.00
Bill Pmt -Check	10/12/2015	18965	SANTA ANA RIVER WATER COMPANY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2015	9/01 Brd Officers		9/01/15 Quarterly Board Officers and Chairs Mtg.	6311 · Board Member Compensation	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting - Rodriguez attendance	6311 · Board Member Compensation	125.00
Bill	09/25/2015	9/25 Admin Mtg		9/25/15 Admin. Meeting - Rodriguez attendance	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	10/12/2015	18966	STAPLES BUSINESS ADVANTAGE		1012 · Bank of America Gen'l Ckg	
Bill	09/19/2015	8036066749		Miscellaneous office supplies	6031.7 · Other Office Supplies	68.88
Bill	09/28/2015	8036158771		Miscellaneous office supplies	6031.7 · Other Office Supplies	301.79
Bill	09/29/2015	8035978546		Miscellaneous office supplies	6031.7 · Other Office Supplies	64.79

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Cash Disbursements For The Month of
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Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						435.46
Bill Pmt -Check	10/12/2015	18968	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	09/28/2015	7076224530355049		September 2015	6175 · Vehicle Fuel	63.32
TOTAL						63.32
Bill Pmt -Check	10/12/2015	18969	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/15/2015	9/15 Ag Pool Mtg		9/15/15 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	10/12/2015	18970	STATE COMPENSATION INSURANCE FUND	1970970-15	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2015	1970970-15		1970970-15	60183 · Worker's Comp Insurance	961.58
TOTAL						961.58
Bill Pmt -Check	10/12/2015	18971	VANDEN HEUVEL, ROB	AG Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/17/2015	9/17 Advisory Comm		9/17/15 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						125.00
P119						
Bill Pmt -Check	10/12/2015	18972	VERIZON		1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	012519128144592510		012519128144592510	6022 · Telephone	137.44
Bill	09/30/2015	012561121521714508		012561121521714508	7405 · PE4-Other Expense	191.67
TOTAL						329.11
Bill Pmt -Check	10/12/2015	18973	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	09/29/2015	001017890001		Vision Insurance - October 2015	60182.2 · Dental & Vision Ins	41.89
TOTAL						41.89
Bill Pmt -Check	10/12/2015	18974	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting - Galleano attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	10/12/2015	18975	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2015	08-k2 213849		Disposal Service - October 2015	6024 · Building Repair & Maintenance	111.57
TOTAL						111.57
Bill Pmt -Check	10/12/2015	18976	JESKE, KEN'	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/24/2015	9/24 Board Mtg		9/24/15 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2015

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/20/2015	18977	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	616140		616140	6078 · BHFS Legal - Miscellaneous	8,095.95
				616140	6375 · BHFS Legal - Board Meeting	2,600.10
				616140	8375 · BHFS Legal - Appropriative Pool	105.30
				616140	8575 · BHFS Legal - Non-Ag Pool	105.30
				616140	6907.40 · Storage Agreements	535.50
				Expenses	6907.42 · Safe Yield Recalculation	1,050.00
				Expenses	6375 · BHFS Legal - Board Meeting	675.00
				Expenses	8475 · BHFS Legal - Agricultural Pool	37.37
Bill	09/30/2015	616101		CalPERS-Alvarez	6073 · BHFS Legal - Personnel Matters	648.45
				Personnel	6073 · BHFS Legal - Personnel Matters	5,314.95
Bill	09/30/2015	616102		616102	6907.34 · Santa Ana River Water Rights	344.25
Bill	09/30/2015	616103		616103	6275 · BHFS Legal - Advisory Committee	1,414.38
Bill	09/30/2015	616104		616104	6375 · BHFS Legal - Board Meeting	5,215.50
				616104	6907.36 · Santa Ana River Habitat	252.00
Bill	09/30/2015	616105		616105	8375 · BHFS Legal - Appropriative Pool	2,065.50
Bill	09/30/2015	616106		616106	8475 · BHFS Legal - Agricultural Pool	1,874.25
Bill	09/30/2015	616107		616107	8575 · BHFS Legal - Non-Ag Pool	2,065.50
Bill	09/30/2015	616108		616108	6071 · BHFS Legal - Court Coordination	1,886.85
Bill	09/30/2015	616109		616109	6077 · BHFS Legal - Party Status Maint	344.25
Bill	09/30/2015	616110		616110	6907.39 · Recharge Master Plan	459.00
Bill	09/30/2015	616111		616111	6907.41 · Prado Basin Habitat Sustain	1,800.00
Bill	09/30/2015	616112		616112	6907.42 · Safe Yield Recalculation	82,421.55
				Expenses	6907.42 · Safe Yield Recalculation	37.37
TOTAL						119,348.32
Bill Pmt -Check	10/20/2015	18978	INLAND EMPIRE UTILITIES AGENCY		1012 · Bank of America Gen'l Ckg	
Bill	09/28/2015	1800002584		Lower Day Improvement Projects Inv. #1	7690.8 · Lower Day Basin RMPU (TO #2)	96,253.50
Bill	09/28/2015	1800002576		GWR SCADA System Upgrades Project Inv. #1	7690.61 · GWR SCADA Upgrades (TO #4)	56,514.47
Bill	09/28/2015	1800002583		CB-20 Noise Mitigation Project Inv. #1	7690.5 · CB20 Turnout Noise Abatement	25,207.74
Bill	09/28/2015	1800002586		San Sevaine Basin Improvements Project Inv. #1	7690.4 · San Sevaine Recharge (TO # 8)	111,118.08
Bill	09/28/2015	1800002585		Communication Upgrades Project Inv. #1	7690.62 · SCADA Comm. Upgrades (TO #3)	97,034.16
TOTAL						386,127.95
Bill Pmt -Check	10/20/2015	18979	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	2015279		2015279	6906.31 · OBMP-Pool, Adv. Board Mtgs	7,750.78
Bill	09/30/2015	2015280		2015280	6906.32 · OBMP-Other General Meetings	104.00
Bill	09/30/2015	2015281		2015281	6906.71 · OBMP-Data Req.-CBWM Staff	1,757.50
Bill	09/30/2015	2015282		2015282	6906.72 · OBMP-Data Req.-Non CBWM Staff	430.00
Bill	09/30/2015	2015283		2015283	6906.22 · Water Rights Compliance Rprting	2,820.75

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2015

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	09/30/2015	2015284			6906 · OBMP Engineering Services	1,844.25
Bill	09/30/2015	2015285			7103.3 · Grdwtr Qual-Engineering	14,599.64
Bill	09/30/2015	2015286			7104.3 · Grdwtr Level-Engineering	16,280.65
Bill	09/30/2015	2015287			7107.2 · Grd Level-Engineering	1,190.60
Bill	09/30/2015	2015288			7108.3 · Hydraulic Control-Engineering	4,279.69
Bill	09/30/2015	2015289			7108.32 · HCMP - Adaptive Mgmt Plan	9,025.83
Bill	09/30/2015	2015290			7108.31 · Hydraulic Control - PBHSP	10,604.95
Bill	09/30/2015	2015291			7202.2 · Engineering Svc	3,302.89
Bill	09/30/2015	2015292			7402 · PE4-Engineering	1,056.25
Bill	09/30/2015	2015293			7402.10 · PE4 - MZ1 Pomona Project	47,960.05
Bill	09/30/2015	2015294			6906.73 · OBMP-Safe Yield Recalculation	38,075.15
Bill	09/30/2015	2015295			6910.1 · IRP Groundwater Modeling - WEI	230.00
TOTAL						161,312.98
General Journal	10/24/2015	10/24/2015	Payroll and Taxes for 10/11/15-10/24/15	Payroll and Taxes for 10/11/15-10/24/15	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 10/11/15-10/24/15	1012 · Bank of America Gen'l Ckg	22,167.11
				Payroll Taxes for 10/11/15-10/24/15	1012 · Bank of America Gen'l Ckg	6,810.86
			ICMA-RC	457(f) Employee Deductions for 10/11/15-10/24/15	1012 · Bank of America Gen'l Ckg	3,586.68
			ICMA-RC	401(a) Employee Deductions for 10/11/15-10/24/15	1012 · Bank of America Gen'l Ckg	1,121.70
TOTAL						33,686.35
Bill Pmt -Check	10/27/2015	18980	ACWA JOINT POWERS INSURANCE AUTHORITY	0376213	1012 · Bank of America Gen'l Ckg	
Bill	10/13/2015	0376213		Prepayment - November 2015	1409 · Prepaid Life, BAD&D & LTD	111.29
				October 2015	60191 · Life & Disab.Ins Benefits	122.32
TOTAL						233.61
Bill Pmt -Check	10/27/2015	18981	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	XXXX-XXXX-XXXX-9341		Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	269.58
				Purchase tablecloth for table in Auxilliary room	6031.7 · Other Office Supplies	34.90
				Ad for Field Operations Specialist	6016 · New Employee Search Costs	198.50
				Ad for Field Operations Specialist	6016 · New Employee Search Costs	143.92
				Charge for 1 yr subscription	6112 · Subscriptions/Publications	34.74
				Unified Communications Certificate-domain name	6053 · Internet Expense	713.62
				Purchase rug to put under plotter	6031.7 · Other Office Supplies	75.35
				Lunch for 9/16/15 SY Agreement Drafting Meeting	6906.73 · OBMP-Safe Yield Recalculation	415.86
				Purchase extra keys-towel dispensers-restrooms	6031.7 · Other Office Supplies	4.21
				Purchase rolls of paper towels-restroom dispensers	6031.7 · Other Office Supplies	204.90
				Purchase fuser for printer in Assist. GM office	6031.7 · Other Office Supplies	190.93
				Supplies for admin mtg on 9/30/15	6141.1 · Meeting Supplies	18.59
				Reg.-PK-30th Biennial Conf. & 24th GRA Mtg	6193.2 · Conference - Registration Fee	451.60

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Hotel-PK-GRA Conference and Annual Mtg	6191 · Conferences - General	346.12
				Hotel-PK-CUEMA Leadership Summit 9/09-9/10/15	6191 · Conferences - General	440.14
				Flight-PK-ACWA Groundwater Committee mtg.	6191 · Conferences - General	399.49
				Early bird check in for above flight	6191 · Conferences - General	24.81
				Lunch for 9/16/15 SY Agreement Drafting Meeting	6906.73 · OBMP-Safe Yield Recalculation	8.43
				Airport parking-PK-ACWA Groundwater Committee	6191 · Conferences - General	17.87
				Supplies for admin mtg on 9/30/15	6141.1 · Meeting Supplies	23.60
				Flight-PK-24th GRA Conference and Annual Mtg.	6191 · Conferences - General	427.79
				Early bird check in for above flight	6191 · Conferences - General	24.81
				Drill hole in glass for cables in Board room	6031.7 · Other Office Supplies	173.69
TOTAL						4,643.45
Bill Pmt -Check	10/27/2015	18982	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	10/15/2015	1394905143		Medical Insurance - November 2015	60182.1 · Medical Insurance	6,622.64
TOTAL						6,622.64
Bill Pmt -Check	10/27/2015	18983	COMPUTER NETWORK	93108	1012 · Bank of America Gen'l Ckg	
Bill	09/18/2015	93108		Replacement - Board Room laptop	6055 · Computer Hardware	576.40
TOTAL						576.40
Bill Pmt -Check	10/27/2015	18984	CUCAMONGA VALLEY WATER DISTRICT	Lease due November 1, 2015	1012 · Bank of America Gen'l Ckg	
Bill	10/19/2015			Lease due November 1, 2015	1422 · Prepaid Rent	6,371.16
TOTAL						6,371.16
Bill Pmt -Check	10/27/2015	18985	EGOSCUE LAW GROUP	11046	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	11046		Ag Pool Legal Services - September 2015	8467 · Ag Legal & Technical Services	28,727.50
TOTAL						28,727.50
Bill Pmt -Check	10/27/2015	18986	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	L0234200		L0234200	7108.41 · Hydraulic Control - PBHSP	2,642.00
Bill	09/30/2015	L0234198		L0234198	7108.41 · Hydraulic Control - PBHSP	3,270.00
Bill	09/30/2015	L0233744		L0233744	7108.41 · Hydraulic Control - PBHSP	3,448.00
Bill	09/30/2015	L0236559		L0236559	7108.41 · Hydraulic Control - PBHSP	1,386.00
Bill	09/30/2015	L0235844		L0235844	7103.5 · Grdwtr Qual-Lab Svcs	2,337.00
Bill	09/30/2015	L0236561		L0236561	7103.5 · Grdwtr Qual-Lab Svcs	1,558.00
Bill	09/30/2015	L0236557		L0236557	7103.5 · Grdwtr Qual-Lab Svcs	5,583.00
Bill	09/30/2015	L0234828		L0234828	7103.5 · Grdwtr Qual-Lab Svcs	2,690.00
Bill	09/30/2015	L0235841		L0235841	7103.5 · Grdwtr Qual-Lab Svcs	2,642.00
Bill	09/30/2015	L0235843		L0235843	7103.5 · Grdwtr Qual-Lab Svcs	1,256.00
Bill	09/30/2015	L0235735		L0235735	7103.5 · Grdwtr Qual-Lab Svcs	628.00

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	09/30/2015	L0235736		L0235736	7103.5 · Grdwtr Qual-Lab Svcs	2,014.00
Bill	09/30/2015	L0235028		L0235028	7103.5 · Grdwtr Qual-Lab Svcs	1,356.00
Bill	09/30/2015	L0235849		L0235849	7103.5 · Grdwtr Qual-Lab Svcs	1,449.00
Bill	09/30/2015	L0235850		L0235850	7103.5 · Grdwtr Qual-Lab Svcs	758.00
Bill	09/30/2015	L0236562		L0236562	7103.5 · Grdwtr Qual-Lab Svcs	1,449.00
Bill	09/30/2015	L0237253		L0237253	7103.5 · Grdwtr Qual-Lab Svcs	1,778.00
TOTAL						36,244.00
Bill Pmt -Check	10/27/2015	18987	HOGAN LOVELLS	2930750	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	2930750		Non-Ag Pool Legal Services - August 2015	8567 · Non-Ag Legal Service	3,959.43
TOTAL						3,959.43
Bill Pmt -Check	10/27/2015	18988	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	0111802		Employee deductions - October 2015	60194 · Other Employee Insurance	51.80
TOTAL						51.80
Bill Pmt -Check	10/27/2015	18989	LEVEL 3 COMMUNICATIONS	08376507	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	08376507		10/10/15-11/09/15	6053 · Internet Expense	1,052.44
TOTAL						1,052.44
Bill Pmt -Check	10/27/2015	18990	OFFICE DEPOT	798745778001	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	798745778001		Copy paper	6031.1 · Copy Paper	46.95
TOTAL						46.95
Bill Pmt -Check	10/27/2015	18991	OFFICE TEAM	44077432	1012 · Bank of America Gen'l Ckg	
Bill	10/02/2015	44077432		Week ending 10/02/15	6017.2 · Office Specialist Services	213.60
TOTAL						213.60
Bill Pmt -Check	10/27/2015	18992	PETTY CASH	2547-2560	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	2547-2560		Purchase supplies for admin meetings	6141.1 · Meeting Supplies	143.97
				Travel expense reimbursement - PK	6191 · Conferences - General	170.89
				Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	32.19
				Cost to scan Advisory Committee package	6212 · Meeting Expense	38.61
				PK meeting w/Chris Berch from IEUA	8312 · Meeting Expenses	20.00
TOTAL						405.66
Bill Pmt -Check	10/27/2015	18993	PITNEY BOWES CREDIT CORPORATION	6684246	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	6684246		Postage meter lease	6044 · Postage Meter Lease	548.64
TOTAL						548.64

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/27/2015	18994	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	689.35
TOTAL						689.35
Bill Pmt -Check	10/27/2015	18995	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	10/31/2015			Retiree Medical	60182.4 · Retiree Medical	25.76
TOTAL						25.76
Bill Pmt -Check	10/27/2015	18996	VERIZON	012519128144592510	1012 · Bank of America Gen'l Ckg	
Bill	10/20/2015	012519128144592510		012519128144592510	6022 · Telephone	144.25
TOTAL						144.25
Bill Pmt -Check	10/27/2015	18997	VERIZON WIRELESS	9753397133	1012 · Bank of America Gen'l Ckg	
Bill	10/13/2015	9753397133		9753397133	6022 · Telephone	299.31
TOTAL						299.31
Bill Pmt -Check	10/27/2015	18998	SIGNARAMA ONTARIO		1012 · Bank of America Gen'l Ckg	
Bill	10/27/2015			Purchase replacement signage for field trucks	6031.7 · Other Office Supplies	234.78
TOTAL						234.78
Bill Pmt -Check	10/27/2015	18999	VERIZON	642073270-00001	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2015	642073270-00001		642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	156.33
TOTAL						156.33
Bill Pmt -Check	10/16/2015	ACH 101615	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	10/10/2015	10/10/2015	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 09/27/15-10/10/15	2000 · Accounts Payable	6,045.30
TOTAL						6,045.30
					Total Disbursements:	858,115.35

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CHINO BASIN WATERMASTER

IV. INFORMATION

2. Recharge Investigations and Projects Committee (RIPCom)

Recharge Investigations and Projects

Committee Meeting

Agenda

When: Thursday, October 15, 2015 @ 9:30 a.m.

Where: Chino Basin Watermaster
9641 San Bernardino Rd.
Rancho Cucamonga, CA 91730

Topics:

1. Introductions
2. New Project consideration
 - a) Open forum for potential new projects
3. IEUA/CBWM joint projects
 - a) Status updates
 - b) Budget updates
4. RMPU Financing Plan
 - a) Status updates
5. RMPU Implementation updates
 - a) Sustainability projects
 - i. Vulcan Pit
 - b) Contact with sand and gravel companies
 - c) AP New Yield and cost allocation agreement
 - d) Flood Control and water conservation agreement
 - e) Agreement with property owners
 - f) MS4

Next Meeting Date: Thursday, November 19, 2015 @ 9:30 A.M.

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Recharge Investigation and Projects Committee, PAGE 1 OF 2

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Project Name	Project Status	Percent Completion on Overall Schedule	Anticipated (Or Actual) Completion Date	Project Cost To Date	TOTAL PROJECT BUDGET			PERCENT COST SHARE		Lifetime of Project BUDGET ALLOCATION			IEUA PROJECT COSTS		CBWM PROJECT COSTS		
					Original Budget	Proposed Revised Budget	Approved Revised Budget	IEUA	CBWM	Grant Funding	IEUA	CBWM	Actual Cost To Date	Remaining Balance Available (Based on Project Budget)	Actual Share (Based on Actual Cost To Date)	Invoices Paid To Date	Remaining Balance Available (Based on Project Budget)
Pre-RMPU Ongoing Projects																	
GWR SCADA Upgrades (Task No. 4)	Design	13%	11/28/2016	\$ 134,348	\$ 892,000	\$ -	\$ 892,000	50%	50%	\$ 139,650	\$ 376,175	\$ 376,175	\$ 56,657	\$ 319,518	\$ 56,657	\$ -	\$ 421,875
COMMUNICATION Upgrades (Task No. 3)	Construction	73%	12/31/2015	\$ 556,346	\$ 1,245,000	\$ -	\$ 1,245,000	50%	50%	\$ 192,850	\$ 526,075	\$ 526,075	\$ 235,084	\$ 290,991	\$ 235,084	\$ -	\$ 526,075
CB20 Noise Mitigation (CBFIP Phase II Agreement)	Construction	79%	10/29/2015	\$ 103,060	\$ 160,000	\$ -	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 51,530	\$ 28,470	\$ 51,530	\$ -	\$ 80,000
Upper Santa Ana River Habitat Conservation Plan (Task No. 7)	Evaluation	30%	6/30/2017	\$ 35,548	\$ 160,000	\$ -	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 17,774	\$ 62,226	\$ 17,774	\$ -	\$ 80,000
East Declaz Basin (Task No. 1)	Pre-Design	20%	12/29/2015	\$ 3,003	\$ -	\$ -	\$ 3,665,000 *	-	100%	\$ -	\$ -	\$ 3,665,000	\$ -	\$ -	\$ 3,665,000	\$ -	\$ 3,665,000
SUBTOTAL PRE-RMPU PROJECTS	---	---	---	\$ 832,305	\$ 2,457,000	\$ -	\$ 6,122,000	---	---	\$ 332,500	\$ 1,062,250	\$ 4,727,250	\$ 361,045	\$ 701,205	\$ 4,026,045	\$ -	\$ 4,772,950
RMPU Projects																	
San Sevaine Improvements (Task No. 8)	Design	8%	7/5/2017	\$ 241,978	\$ 2,500,000	\$ -	\$ 6,460,000	50%	50%	\$ 750,000	\$ 2,855,000	\$ 2,855,000	\$ 106,942	\$ 2,748,058	\$ 106,942	\$ -	\$ 2,855,000
2013 RMPU Amendment Yield Enhancement Projects (Task No. 1)	Pre-Design	9%	12/29/2017	\$ 21,492	\$ 8,122,500	\$ -	\$ 3,825,500 **	7%	93%	\$ -	\$ 250,250	\$ 3,575,250	\$ 1,406	\$ 248,844	\$ 20,086	\$ -	\$ 3,575,250
Lower Day Basin RMPU Improvement Project (Task No. 2)	Pre-Design	7%	8/1/2017	\$ 131,556	\$ 2,480,000	\$ -	\$ 2,480,000	0%	100%	\$ 750,000	\$ -	\$ 1,730,000	\$ -	\$ -	\$ 91,771	\$ -	\$ 1,730,000
2013 RMPU Amendment Yield Enhancement Projects Construction	Pending - Note ¹	0%	6/30/2020	\$ -	\$ -	\$ 38,622,500	\$ -	0%	100%	\$ -	\$ -	\$ 38,622,500	\$ -	\$ -	\$ -	\$ -	\$ 38,622,500
2013 RMPU Amendment - Victoria Basin Construction	Pending - Note ²	0%	6/30/2019	\$ -	\$ -	\$ 130,000	\$ -	50%	50%	\$ -	\$ 65,000	\$ 65,000	\$ -	\$ 65,000	\$ -	\$ -	\$ 65,000
2013 RMPU Amendment - RP-3 Construction	Pending - Note ²	0%	6/30/2020	\$ -	\$ -	\$ 3,300,000	\$ -	50%	50%	\$ -	\$ 1,650,000	\$ 1,650,000	\$ -	\$ 1,650,000	\$ -	\$ -	\$ 1,650,000
SUBTOTAL RMPU PROJECTS	---	---	---	\$ 395,026	\$ 13,102,500	\$ 42,052,500	\$ 12,765,500	---	---	\$ 1,500,000	\$ 4,820,250	\$ 48,497,750	\$ 108,348	\$ 4,711,902	\$ 218,799	\$ -	\$ 48,497,750
GRAND TOTALS	---	---	---	\$ 1,227,331	\$ 15,559,500	\$ 42,052,500	\$ 18,887,500	---	---	\$ 1,832,500	\$ 5,882,500	\$ 53,225,000	\$ 469,394	\$ 5,413,106	\$ 4,244,845	\$ -	\$ 53,270,700

NOTES:
 * The total design cost of \$3,665,000 is part of the total approved budget as stated within the first amendment to Task Order No. 1. However the full design for East Declaz will not be implemented until the initial pre-design report is completed and accepted by both IEUA and CBWM.
 ** The total design cost of \$3,825,500 is a part of the total approved budget as stated within the first amendment to Task Order No. 1.
¹ Pending project awaiting evaluation by IEUA. Project has not been funded by an approved Task Order or approved by the Watermaster Board. 100% of construction costs are allocated to Watermaster.
² Project(s) are under review by IEUA. Projects have not been funded by an approved Task Order or approved by the Watermaster Board. Project construction costs are allocated 50% to IEUA and 50% to Watermaster.

Updated on: 10/8/2015

Recharge Investigation and Projects Committee, PAGE 2 OF 2

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Project Name	CBWM Fiscal Year 2015/16									CBWM Future Years				
	CURRENT YEAR CBWM BUDGET				CURRENT YEAR CBWM ACTUALS					CBWM FUTURE BUDGET NEEDS				
	Budget Carry-Over	Approved Budget	Budget Amendments/Transfers	Total Fiscal Year Budget	Actual to Date (Including Paid & Outstanding Invoices)	Remaining Balance Available	Completed Projects With Available Funds To Be Distributed ¹	CBWM Remaining Projected Costs	Budget Amendment Required? (Yes/No)	Projected CarryOver Funds FY 2016/17	Fiscal Year 2016/17	Fiscal Year 2017/18	Fiscal Year 2018/19	Fiscal Year 2019/20
Pre RMPU Ongoing Projects														
GWR SCADA Upgrades (7690.61) (Task No. 4)	\$ 383,200	\$ 38,675	\$ -	\$ 421,875	\$ 56,514	\$ 365,361	\$ -	\$ 365,361	No	\$ -	\$ -	\$ -	\$ -	\$ -
COMMUNICATION Upgrades (7690.62) (Task No. 3)	\$ 547,500	\$ (21,425)	\$ -	\$ 526,075	\$ 97,034	\$ 429,041	\$ -	\$ 429,041	No	\$ -	\$ -	\$ -	\$ -	\$ -
CB20 Noise Mitigation (7690.5)	\$ 80,000	\$ -	\$ -	\$ 80,000	\$ 25,208	\$ 54,792	\$ -	\$ 54,792	No	\$ -	\$ -	\$ -	\$ -	\$ -
Upper Santa Ana River Habitat Conservation Plan (7690.7) (Task No. 7)	\$ 75,000	\$ 5,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	No	\$ -	\$ -	\$ -	\$ -	\$ -
East Declerz Basin (Task No. 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ 1,550,000	\$ 2,115,000	\$ -	\$ -
Wineville Proof of Concept (7209.2) (Task No. 6) COMPLETED	\$ 35,398	\$ -	\$ -	\$ 35,398	\$ -	\$ -	\$ 35,398	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
Jurupa Pump Station (7209.1) (Task No. 5) COMPLETED	\$ 37,981	\$ -	\$ -	\$ 37,981	\$ -	\$ -	\$ 37,981	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
Hickory Basin (7690.3) COMPLETED	\$ 3,877	\$ -	\$ -	\$ 3,877	\$ -	\$ -	\$ 3,877	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL PRE-RMPU PROJECTS	\$ 1,162,956	\$ 22,250	\$ -	\$ 1,185,206	\$ 178,756	\$ 929,194	\$ 77,256	\$ 929,194	No	\$ -	\$ 1,550,000	\$ 2,115,000	\$ -	\$ -
RMPU Projects														
San Sevaime Improvements (7690.4) (Task No. 8)	\$ 475,000	\$ 1,126,900	\$ -	\$ 1,601,900	\$ 111,118	\$ 1,490,782	\$ -	\$ 1,490,782	No	\$ -	\$ 1,253,100	\$ -	\$ -	\$ -
2013 RMPU Amendment Yield Enhancement Projects (7690.15) (Task No. 1)	\$ -	\$ 569,750	\$ -	\$ 569,750	\$ -	\$ 569,750	\$ -	\$ 569,750	No	\$ -	\$ 1,550,000	\$ 1,455,500	\$ -	\$ -
Lower Day Basin RMPU Improvement Project (7690.8) (Task No. 2)	\$ 49,000	\$ 140,000	\$ -	\$ 189,000	\$ 96,254	\$ 92,746	\$ -	\$ 92,746	No	\$ -	\$ 140,000	\$ 1,401,000	\$ -	\$ -
2013 RMPU Amendment Yield Enhancement Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 8,300,000	\$ 22,022,500	\$ 8,300,000
Victoria Basin Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 32,500	\$ 32,500	\$ -
RP-3 Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No	\$ -	\$ -	\$ 325,000	\$ 825,000	\$ 500,000
SUBTOTAL RMPU PROJECTS	\$ 524,000	\$ 1,836,650	\$ -	\$ 2,360,650	\$ 207,372	\$ 2,153,278	\$ -	\$ 2,153,278	---	\$ -	\$ 2,943,100	\$ 11,514,000	\$ 22,880,000	\$ 8,800,000
GRAND TOTALS	\$ 1,686,956	\$ 1,858,900	\$ -	\$ 3,545,856	\$ 386,128	\$ 3,082,472	\$ 77,256	\$ 3,082,472	---	\$ -	\$ 4,493,100	\$ 13,629,000	\$ 22,880,000	\$ 8,800,000

NOTES:
¹ \$77,256 of the Carry-Over funds could be (1) allocated to other projects; (2) kept in reserve; or (3) refunded to the Appropriators on the next Assessment. Wineville Project of \$35,398; Jurupa Pump Station of \$37,981; and Hickory Basin of \$3,877 = \$77,256.

Pre-RMPU Ongoing Projects



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**GWR SCADA UPGRADES
PROJECT NO. EN14047
STATUS UPDATE: October 2, 2015**

During Inland Empire Utilities Agency's asset review of the existing Supervisory Control & Data Acquisition (SCADA) system, a thorough and comprehensive evaluation of the recycled water and groundwater recharge control system was conducted. A Master Plan was developed; and it recommended critical upgrades to the RW and GWR SCADA systems. The purpose of this project is to provide control system improvements to sustain and support the continued growth of the RW and GWR programs. Under this project, five recharge basins which operate a rubber dam system will be replaced with newer, reliable and fully supported programmable logic controllers (PLCs). The current PLCs are outdated and lack critical product and technical support. The upgrade will extend the site's reliability by 10 years and provide the initial development model when transitioning other sites to newer controllers.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$892,000		\$134,348		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	11/11/11	02/24/14	Completed	\$505	\$422
Design	02/26/14	09/28/15	In Progress	\$139,405	\$133,926
Permits	09/12/14	09/28/15	In Progress	\$1,000	-
Bid and Award	09/29/15	11/18/15	Not Started	\$428	-
Construction	11/19/15	11/28/16	Not Started	\$750,745	-
				\$892,000	\$134,348

This project qualified for a \$139,650 grant and a 1% interest 30-year loan at \$740,145 from the Santa Ana Project Water Authority and Clean Water State Revolving Fund loan program respectively.

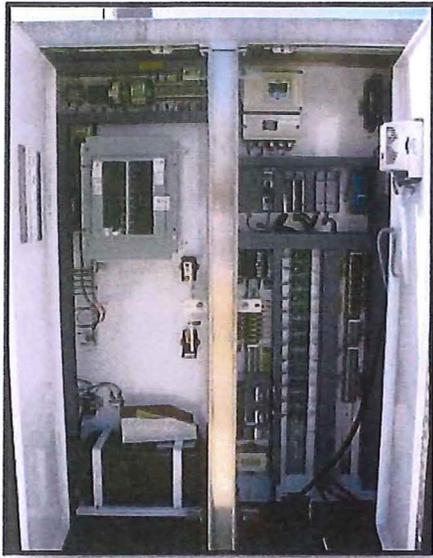
Cost Sharing Document: Task Order No. 4 of the Master Agreement of 2014

Project Update:

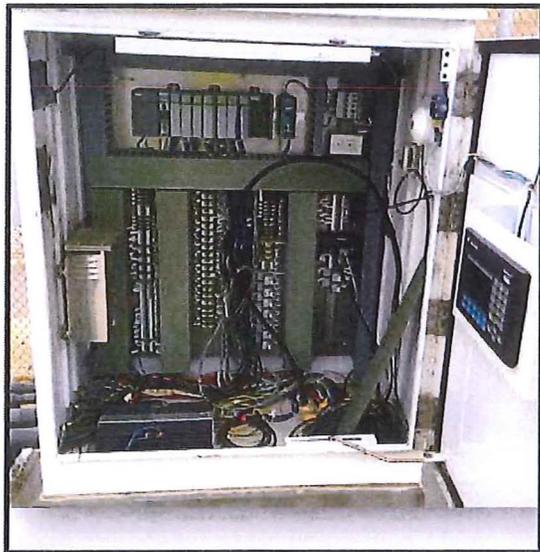
MSO Technologies is finalizing the construction design documents to replace the aged Siemen controller at five (5) rubber dam basins with a new Allen Bradley CompactLogix system while keeping the existing Allen Bradley SLC 5/05. The current SLC still has over ten years of product support from Rockwell. The design will also include upgrading the control interface software from RSView32 to FactoryTalk SE to improve and upgrade monitoring and controlling of remote recharge basins and recycled water facilities. Construction was pushed to December 2015 to

allow MSO more time to revise the plans with the recent design changes, and to provide staff additional time to review the changes.

Project Photos:



San Sevaine Turnout control panel



Turner Basin control panel



**COMMUNICATION UPGRADES
PROJECT NO. EN12019
STATUS UPDATE: October 2, 2015**

This project will transition the communication equipment within the remote GWR and RW sites (totaling over 20 sites) onto the new, faster and more reliable communication network. The upgrade will replace the radio equipment for each site and add several new communication towers to send all communication onto the Agency’s new 18GHz Motorola network back-haul. The Communication System Upgrades Project proposes to upgrade all GRW remote sites to the new communication radio systems. Each site will be equipped with new antennas and radios. The proposed plan to include new towers at select sites will be deferred and planned for later capital projects because these sites do not require immediate remote communication and control.

Schedule:

	<u>Project Budget</u>	<u>Actual Cost to Date</u>			
	\$1,245,000	\$556,346			
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	11/11/11	01/17/14	Completed	\$5,771	\$5,771
Pre-Design	01/20/14	11/27/14	Completed	\$130,000	\$130,000
RFP/Solicitation	11/30/14	03/18/15	Completed	\$44,000	\$44,000
Design/Construction	03/19/15	12/31/15	In Progress	\$1,065,229	\$376,575
				<u>\$1,245,000</u>	<u>\$556,346</u>

This project qualified for a \$192,850 grant and a 1% interest 30-year loan at \$1,022,105 from the Clean Water State Revolving Fund loan program, as part of the Proposition 50 grant program, and a Department of Water Resources Proposition 84 grant program through The Santa Ana Project Water Authority.

Cost Sharing Document: Task Order No. 3 of the Master Agreement of 2014

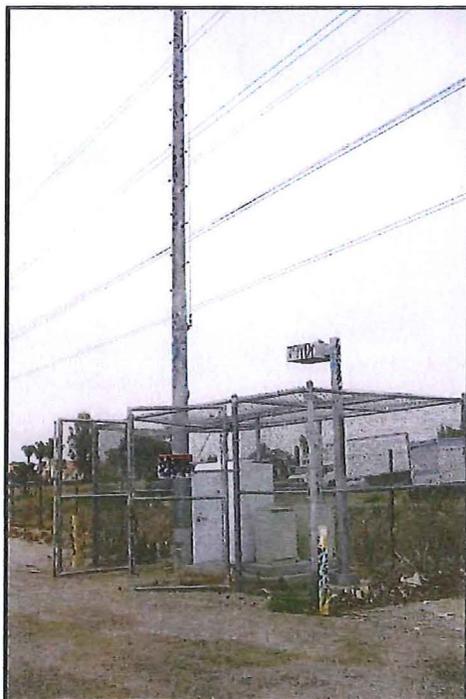
Project Update:

On September 11, Sun Wireless, the design/build contractor, began installation. When all equipment are installed, testing and alignment will follow in November. The project is expected to be completed on or before December 31, 2015.

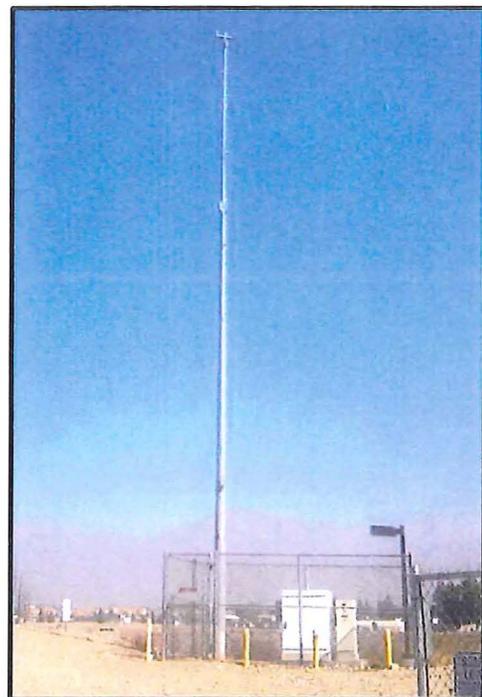
The following table summarizes the installation start and percent complete for each site:

Item	Tower/Groundwater/Recycled Water Site	Planned Start Date	Percent Complete
1	Tower 6B	Sept. 11, 2015	90%
2	Victoria Basin	Sept. 11, 2015	90%
3	San Sevaine RW Turnout	Sept. 16, 2015	90%
4	Hickory Basin	Sept. 16, 2015	90%
5	RP-4 Tower	Sept. 18, 2015	90%
6	Hickory FMM	Sept. 18, 2015	90%
7	Lower Day Basin	Sept. 23, 2015	90%
8	Jurupa Basin	Sept. 23, 2015	90%
9	Declez Basin	Sept. 25, 2015	90%
10	RP-3 Basin	Sept. 25, 2015	90%
11	RP-1 Tower	Oct. 2, 2015	10%
12	Ely Basin 3	Oct. 2, 2015	10%
13	8 th Street Basin	Oct. 9, 2015	-
14	Brooks Basin	Oct. 9, 2015	-
15	College Heights Basin	Oct. 16, 2015	-
16	Grove Basin	Oct. 16, 2015	-
17	Montclair Basin	Oct. 30, 2015	-
18	CCWRF Tower	Oct. 30, 2015	-
19	Turner Basin 1	Nov. 6, 2015	-
20	Turner Basin 2	Nov. 6, 2015	-

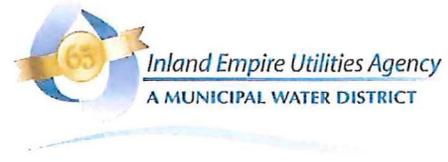
Project Photos:



Declez Basin – Pole and Control Panel



Montclair Basin – Pole and Control Panel



**CB20 NOISE MITIGATION
PROJECT NO. EN14038
STATUS UPDATE: October 2, 2015**

In 2010, a recharge basin turnout structure was constructed within the Metropolitan Water District's right-of-way in the residential area of the City of Upland. The turnout was to provide immediate access to available raw water for the purpose of groundwater storage. The Noise Mitigation Project is to reduce the impact of operating noise to the surrounding residences. Current sound studies reveal the facility generates noise levels above the allowable limits permitted by Upland's Ordinances. As a public service effort, IEUA and Chino Basin Watermaster initiated a capital project to design and build a sound enclosure by a qualified sound specialist. The objective is to maintain compliance with City Ordinance and reduce the impact of noise to nearby residents.

Schedule:

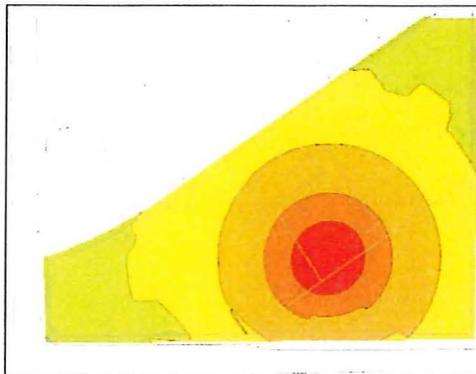
	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$160,000		\$103,060		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	09/25/13	01/23/14	Completed	\$200	\$182
Design	01/24/14	11/26/14	Completed	\$29,000	\$28,850
Construction	11/30/14	10/29/15	In Progress	\$130,800	\$74,028
				<u>\$160,000</u>	<u>\$103,060</u>

Cost Sharing Document: CBFIP, Phase II Cost Sharing Agreement of 2006

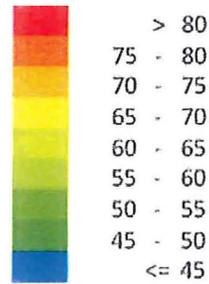
Project Update:

The installation of the sound enclosure is roughly 85-percent completed. Pending installation is the electrical, west roof, and access doors. C.E. Pickup is anticipating finishing work by October 29. Testing the facility with the turnout running will follow, before finalizing the project.

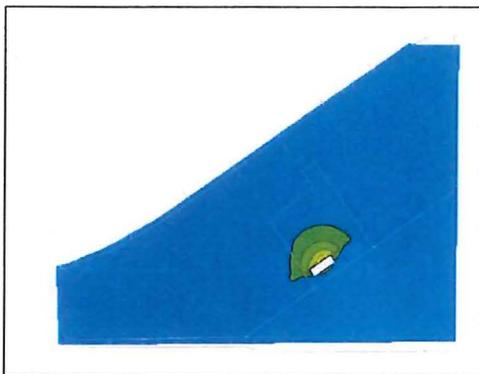
Results of sound modeling to confirm the proposed enclosure will meet project goal:



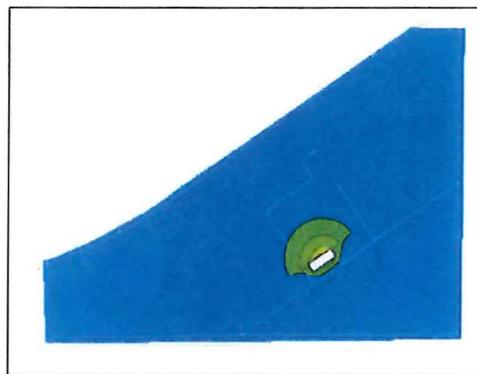
Noise Level, dBA



Noise level at 1st level without mitigation



Noise level at 1st level with mitigation

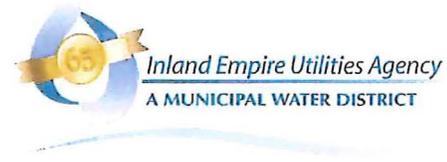


Noise level at 2nd level with mitigation

Project Photo:



Completed installation of the south, east/west walls, and a third of north wall with roofing



**UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN
PROJECT NO. RW15002
STATUS UPDATE: October 2, 2015**

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

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$160,000	\$35,548

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Investigate/Plan	07/01/14	06/30/17	In Progress	\$160,000	\$35,548
				\$160,000	\$35,548

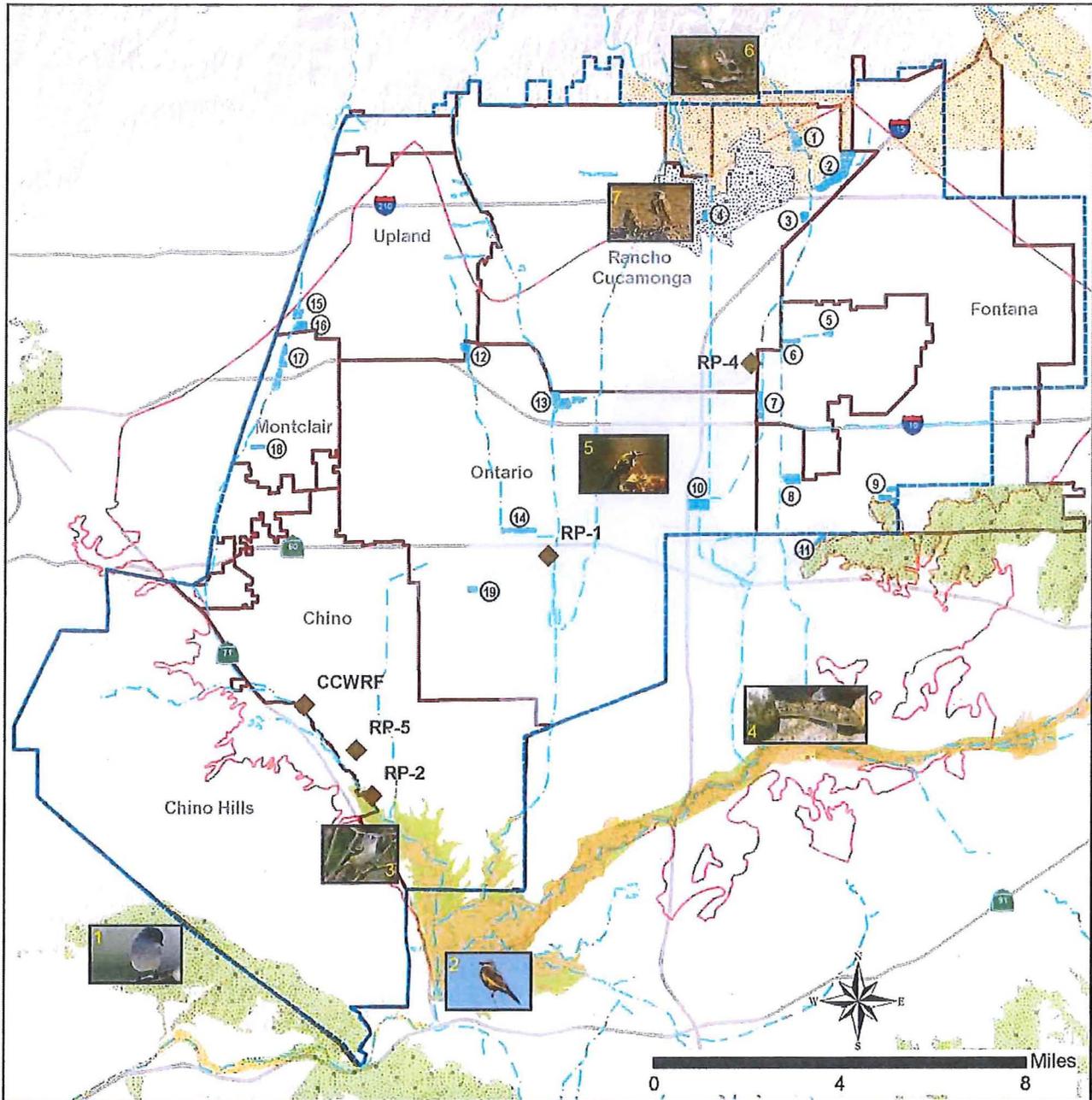
Cost Sharing Document: Task Order No. 7 of the Master Agreement of 2014

Project Update:

The HCP team has refined the covered activities for the proposed projects and is entering the hydraulic modeling phase. Hydraulic modeling will be used to determine the overall impacts to the Santa Ana River from all of the projects in the HCP which include the following RMPU project sites. ICF International is the firm that is conducting the research and planning of the project.

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

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



Legend		Endangered Species Habitat Ranges		Recharge Basins	
	Regional Plants		1. California Gnatcatcher		Eliwanda Debris Basin - (SBCFCD)
	Rivers/Channels		2. Southwestern Willow Flycatcher		San Sevaine Basins - (SBCFCD)
	CBWM Service Area		3. Least Bell's Vireo		Victoria Basin - (SBCFCD)
	IEUA Service Area		4. Santa Ana Sucker		Lower Day Basin - (SBCFCD)
	Cities Boundary		5. Delhi Sands Flower-Loving Fly		Banana Basin - (SBCFCD)
	Freeways		6. Merriam's San Bernardino Kangaroo Rat		Hickory Basin - (SBCFCD)
			7. Borrowing Owl		Etiwanda Conservation Basins - (SCE)
					Jurupa Basin - (SBCFCD)
					RP-3 Basin - (IEUA)
					Wineville Basin - (SBCFCD)
					Declerz Basin - (SBCFCD)
					6th Street Basin - (SBCFCD)
					Turner Basins - (SBCFCD/CBWCD)
					Ely Basins 1, 2 and 3 - (SBCFCD/CBWCD)
					College Heights Basins - (CBWCD)
					Upland Basin - (Upland)
					Montclair Basins - (CBWCD)
					Brooks Street Basins - (CBWCD)
					Grove Basin - (SBCFCD)



**EAST DECLEZ BASIN IMPROVEMENTS
PROJECT NO. RW15003
STATUS UPDATE: October 2, 2015**

In 2014, Watermaster members proposed the utilization of the available land east of the existing Declez Basins. This project proposes to expand the Declez Recharge Facility with an added basin. It also includes upstream improvements to divert and convey additional stormwater to the new basin. The potential increase in recharge capacity is 913 acre-feet per year. Project improvements include the following:

- Excavating and hauling offsite over 1,030,000 cubic yards of soil material to develop the new east basin.
- Constructing a diversion structure from the Declez Channel into the new basin with approximately 2,700 linear feet of new piping.
- Constructing a new spillway structure and outlet between the new and existing basins.
- Constructing a rubber dam system to divert flow from the San Sevaine Channel into the Jurupa Basin. The Jurupa Basin will act as a flow through basin to Declez Basin.
- Increasing the flow capacity to over 100 cfs on an existing pump station within Jurupa Basin.
- Construct approximately 2,800 linear feet of new conveyance piping from Jurupa to the Declez Channel.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$3,665,000		\$3,003		
<u>Soft Cost Phases</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	07/01/15	07/21/15	Completed	\$26,000	-
Feasibility Study (PDR)	07/22/15	11/11/15	In Progress	\$103,000	\$3,003
Pre-Environmental	07/22/15	02/01/16	In Progress	\$11,000	-
Preliminary Design	02/02/16	08/29/16	Not Started	\$511,000	-
Environmental	02/02/16	08/29/16	Not Started	\$197,000	-
Design	08/30/16	12/29/17	Not Started	\$2,534,000	-
Permits	08/30/16	12/29/17	Not Started	\$275,000	-
				\$3,665,000	\$3,003

Cost Sharing Document: Task Order No. 1 of the Master Agreement of 2014

Project Update:

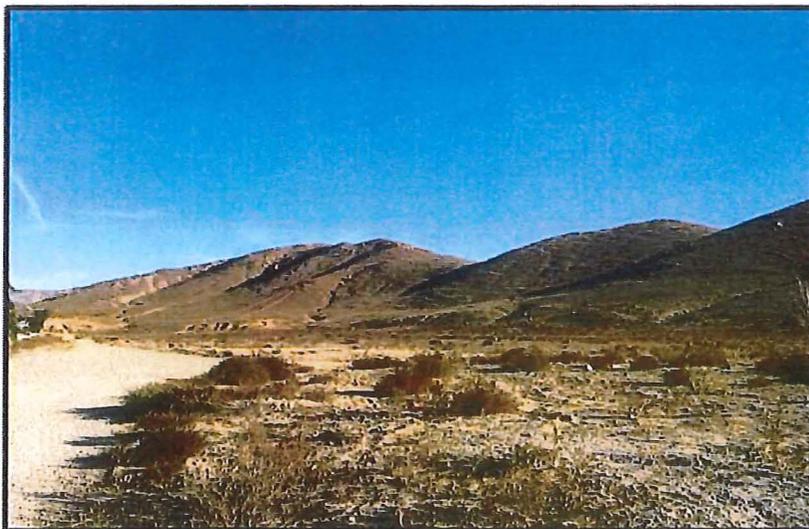
Under the amended Task Order No. 1, staff was given a conditional approval to proceed with the Declez Basin expansion design, by first providing a detailed preliminary report, to confirm through further field investigations whether the proposed basin expansion site will meet the

expected yield of 913 AFY of stormwater. The projected cost for this initial effort is approximately \$114,000. Currently Thomas Harder & Co is conducting the feasibility study and Tom Dodson & Associates is providing environmental services. Dodson's scope is to ensure the testing activities under Harder will not disturb or impact sensitive habitat. Dodson's efforts will also include reviewing the property owner's Biological Habitat Clearance document to determine whether the site is suited for improvements without extensive restrictions and/or mitigations. The findings from Thomas Harder and Tom Dodson will be presented to the RIPCom Members for their review, comment, and recommendation on how best to proceed.

The following is a summarized schedule for the feasibility study (PDR) and preliminary environmental assessment efforts:

Item	Feasibility Study/Preliminary Environmental Assessment	Status/Finish Date
1	Submit Proposed Work Plan	Completed/Aug. 14, 2015
2	Approve Proposed Work Plan	Completed/Aug. 19, 2015
3	Conduct Field Review with Staff and Environmentalist	Completed/Aug. 24, 2015
4	Conduct Cone Penetrometer Test	Completed/Sep. 25, 2015
5	Conduct Borehole Drilling/Sampling	In Progress/Oct. 8, 2015
6	Draft Report – Feasibility Study	Not Started/Oct. 22, 2015
7	Finalize Report	Not Started/Nov. 11, 2015
8	Review the Biological Habitat Clearance Document	In Progress/Dec.10, 2015

Project Photo:

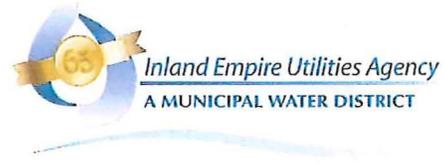


Field Photo showing the location of proposed improvement east of Declez Basin

RMPU PROJECTS



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SAN SEVAINE IMPROVEMENTS PROJECT
PROJECT NO. EN13001
STATUS UPDATE: October 2, 2015

As part of the 2013 Amendment to the 2010 Recharge Master Plan Update (RMPU), this Project will evaluate, design, and construct basin improvements needed to maximize infiltration and recharge capture at the San Sevaire Basins. The final recommendation from the preliminary development report proposes to implement: (1) a new stormwater/recycled water pump station in Basin 5, (2) directly tie into an existing RW pipeline, (3) place new pipelines and headwalls into Basins 1, 2, and 3, and (4) install monitoring wells and lysimeters. The proposed improvements will add 642 acre-feet per year of stormwater and 4,100 acre-feet per year of recycled water for groundwater recharge.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$6,460,000		\$241,978		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Pre-design	10/01/12	05/14/15	Completed	\$160,000	\$155,541
Environmental Impact	06/26/13	09/18/15	In Progress	\$30,000	\$15,251
Design	05/15/15	03/18/16	In Progress	\$400,000	\$46,186
Permits	05/15/13	03/18/16	In Progress	\$25,000	\$25,000
Bid and Award	03/21/16	05/18/16	Not Started	\$5,000	-
Construction	05/19/16	07/05/17	Not Started	\$5,840,000	-
				\$6,460,000	\$241,978

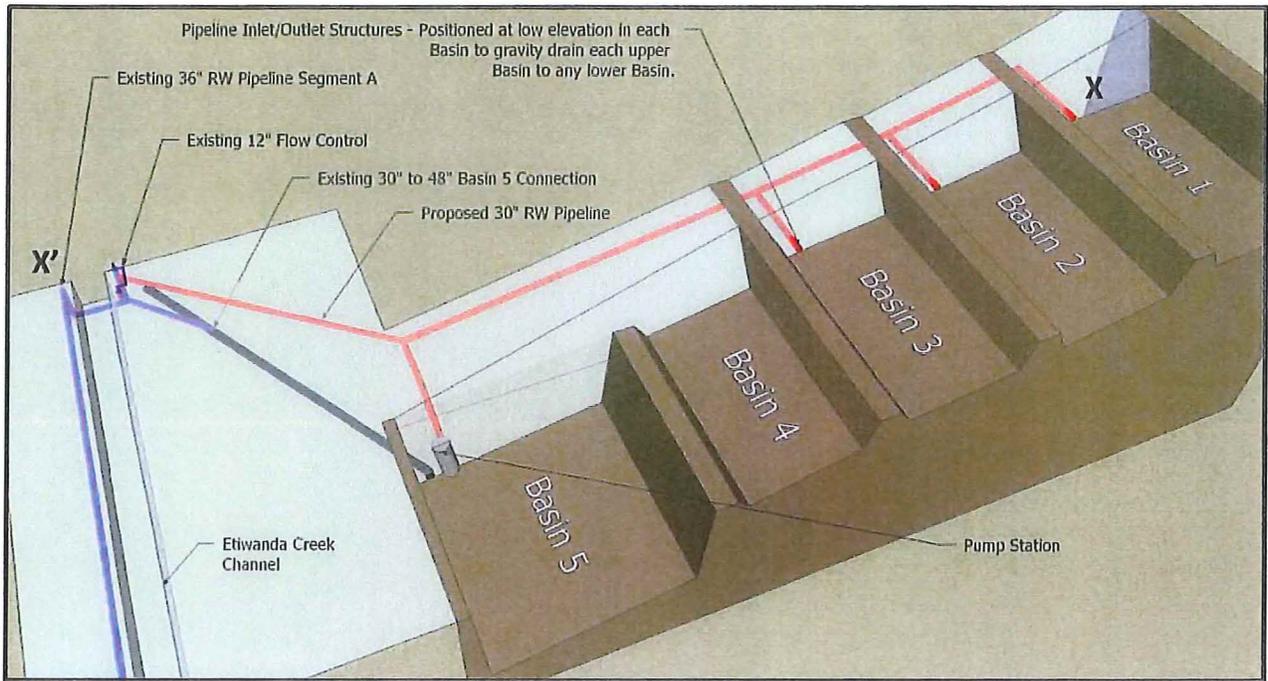
The project was approved for a \$750,000 grant from the Department of Water Resources through the Santa Ana Watershed Project authority as part of Proposition 84.

Cost Sharing Document: Task Order No. 8 of the Master Agreement of 2014 (Amended in April 2015)

Project Update:

Staff received Dudek's preliminary design recommendation. On October 12, 2015, staff will be providing comments to finalize the recommended design approach. This initial memorandum includes discussions and recommendation on designing the proposed pump station as a permanent facility or a portable pump system. In parallel, environmental studies are in progress with Tom Dodson & Associates, where a draft Initial Study was completed. IEUA received no comments from local tribal communities on the proposed project.

Conceptual Design:



Isometric View of the Recommended Basin Improvement
Pump Station in Basin 5 and Extension of the Recycled Water Pipeline to Basins 1, 2, and 3



2013 RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS
PROJECT NO. RW15003
STATUS UPDATE: October 2, 2015

The 2013 Amendment to the 2010 Recharge Master Plan Update recommended that the yield enhancement projects listed below be implemented for preliminary-design, environmental review, permitting, and final design.

ID	Basin Projects	Key Project Improvements	Original RMPU Yield		Adjusted Yield	
			SW	RW	SW	RW
			acre-feet per year			
18a	CSI Storm Water Basin	New storage and recharge facility by deepening/removing 36,000 CY	81	-	81	-
23a	Wineville, Jurupa, and RP3	Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures	3,166	2,905	3,166	2,905
27	Declez Basin	Improve capacity by modifying existing/adding new structures	241	-	241	-
11	Victoria Basin	Improve the infiltration rate and increase storage by removing settled deposits	43	120	43	120
14	Turner Basin	Increase storage and recharge by raising the spillway height	66	-	66	-
15a	Ely Basin	Improve storage and recharge by removing 470,000 CY	221	-	221	-
2	Montclair Basins	Increase storage and recharge capacity by directing more channel flow	248	-	248	-
25a	Sierra	Improve storage and recharge by removing 40,000 CY <i>(Removed-no longer feasible)</i>	64	-		
17a	Lower San Sevaine Basin	Construct a new storage flow through basin <i>(Removed-no longer feasible)</i>	1,221	-		
			5,351	3,025	4,066	3,025

Schedule:

Original Soft Cost Adjusted Soft Cost* Actual Cost to Date
 \$8,122,500 \$3,825,500 \$21,492

Soft Cost Phases	Start	Finish	Status	Projected Cost	Actual Cost
Project Development	07/01/14	06/17/15	Completed	\$27,000	\$1,678
Preliminary Design	06/25/15	08/17/16	In Progress	\$735,000	\$19,814
Environmental	02/19/15	08/17/16	In Progress	\$325,000	-
Design	08/17/16	12/29/17	Not Started	\$2,638,500	-
Permits	08/29/16	12/29/17	Not Started	\$100,000	-
				\$3,825,500	\$21,492

*PID 25a and PID 17a are removed from the design and not included within the total soft cost.

Cost Sharing Document: Task Order No. 1 of the Master Agreement of 2014 (Amended in April 2015)

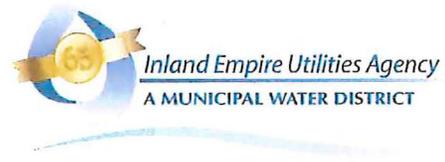
Project Update:

Stantec is currently preparing for the initial draft of the PDR for a late September 2015 submittal. In the meantime, they will continue with site surveys. Tom Dodson & Associates is also tasked with developing a Programmatic Environmental Impact Report which will include the above recharge improvements. This is scheduled for an August 2016 completion.

Project Photo:



Aerial of Victoria Basin



**LOWER DAY RMPU IMPROVEMENTS
PROJECT NO. RW15004
STATUS UPDATE: October 2, 2015**

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

The potential increase in recharge with the inlet is 789 acre-feet per year as per the 2010 RMPU.

Schedule:

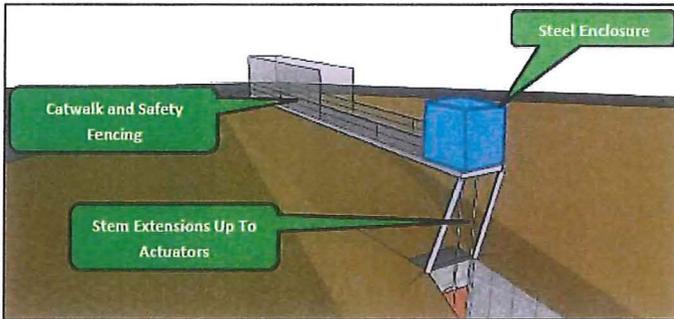
	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$2,480,000		\$131,556		
<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost</u>
Project Development	07/01/14	12/17/14	Completed	\$25,000	\$24,790
Pre-Design	12/18/14	10/15/15	In Progress	\$85,000	\$81,217
Design	10/16/15	05/24/16	Not Started	\$183,000	-
Environmental Impact	02/02/15	03/15/16	In Progress	\$25,000	\$17,155
Permits	05/04/15	03/15/16	In Progress	\$25,000	\$8,394
Bid and Award	05/25/16	07/20/16	Not Started	8,000	-
Construction	07/21/16	08/01/17	Not Started	\$2,129,000	-
				\$2,480,000	\$131,556

Cost Sharing Document: Task Order No. 2 of the Master Agreement of 2014

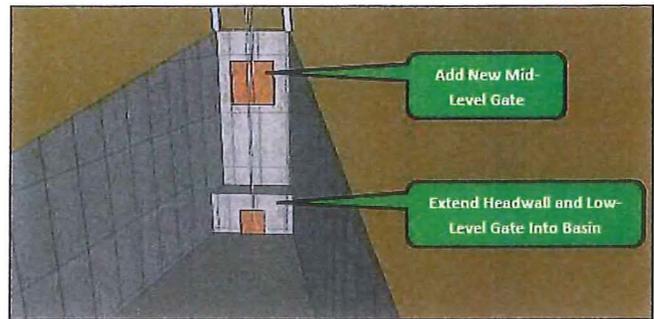
Project Update:

On September 21, Scheevel Engineering, IEUA and Wildermuth met with the permitting group of San Bernardino County Flood Control District to discuss the conceptual improvements to the Lower Day Basin. The meeting concluded with a request for more details regarding the operating plans to the Basin with the proposed improvement. In response a copy of the PDR was sent with conceptual plans for operation. Staff is anticipating receiving comments from the District within the three to four weeks of the meeting date. As soon as the comments are received and reviewed, IEUA will finalize the PDR and present the recommended design with the projected construction cost to the RIPCom Committee for recommendation.

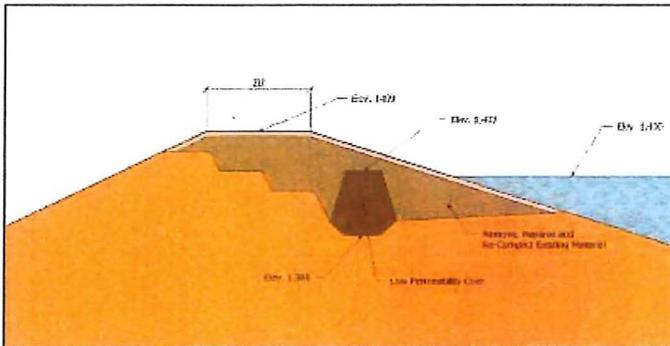
Conceptual Design of the Proposed Improvements:



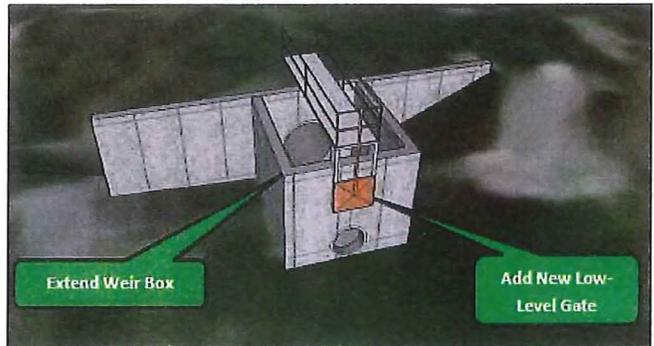
Mid-level Outlet Modifications – Increase Storage to the Lower Basin



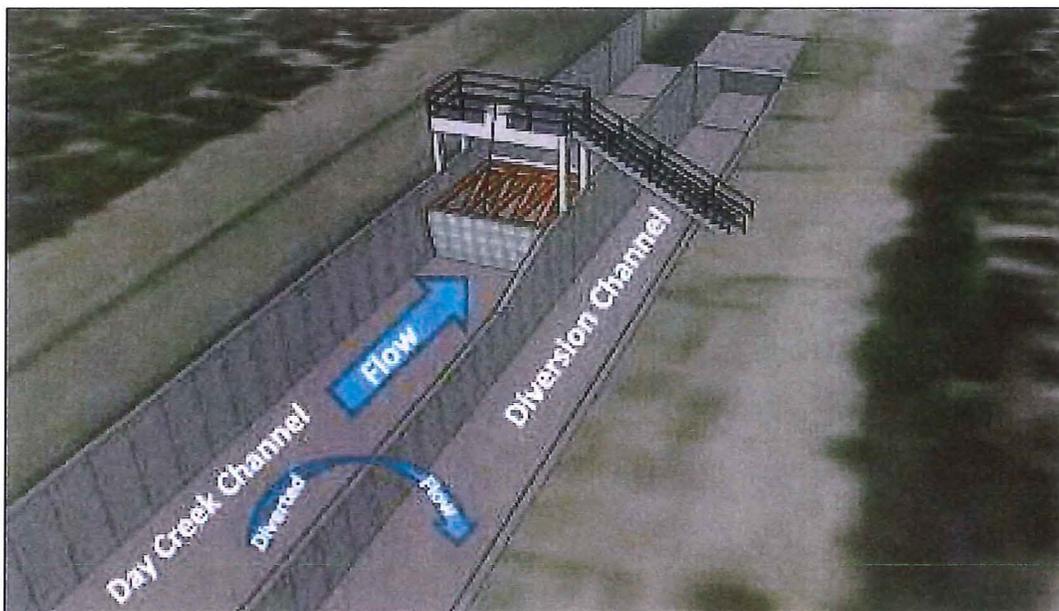
Coating Existing 36" & 72" Outlet Pipes – Maintain Flood Control Requirements of Immediate Dewatering



Reconstruction of Southern Berm – Prevent Seepage



Modifications to Upper Basin Outlet – Increase Storage to the Upper Basin



Single Radial Gate on the Channel – Divert Non Flood flows for added Groundwater Storage