

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, November 10, 2016

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

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

CHINO BASIN WATERMASTER

Thursday, November 10, 2016

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

POOL AGENDAS

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

9:00 a.m. – November 10, 2016

WITH

Mr. Darron Poulsen, Chair

Mr. Todd Corbin, 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 13, 2016 *(Page 1)*

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2016 *(Page 15)*
2. Watermaster VISA Check Detail for the month of September 2016 *(Page 29)*
3. Combining Schedule for the Period July 1, 2016 through September 30, 2016 *(Page 33)*
4. Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016 *(Page 37)*
5. Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016 *(Page 41)*

C. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN *(Page 59)*

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.

D. CHINO BASIN WATERMASTER 38TH ANNUAL REPORT *(Page 67)*

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

E. WATER TRANSACTION *(Page 69)*

Notice of Sale or Transfer – The purchase of 112.219 acre-feet of water from the City of Pomona by the City of Ontario. This purchase is made from the City of Pomona's Excess Carryover Account. Date of application: August 18, 2016.

II. BUSINESS ITEMS**A. USE OF SB 222 FUNDS IN FISCAL YEAR 2016/17 (Page 79)**

Recommend that the Advisory Committee direct the use of the SB 222 Funds of \$158,251 to pay for studies and investigations that aid in implementing the OBMP, and find that the proposed use is consistent with the original intent of the legislation.

B. CHINO BASIN WATERMASTER FISCAL YEAR 2016/2017 ASSESSMENT PACKAGE (Page 91)

Recommend to the Advisory Committee to approve the Fiscal Year 2016/17 Assessment Package as presented, including no credit for Stormwater New Yield and postponing the assessment of Desalter Replenishment Obligation.

C. RESOLUTION TO LEVY REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS FOR FISCAL YEAR 2016/17 (Page 95)

Review Resolution 2016-09 as presented, and offer advice to Watermaster.

D. 2013 RMPU AMENDMENT – PROPOSED YIELD ENHANCEMENT PROJECTS (Page 101)

Consider adopting the “Opt out” provisions from Section 5.1[c] of the Safe Yield Reset Agreement and make appropriate recommendation to the Advisory Committee.

Consider adopting the “Post-2014 Stormwater Recharge Program” as presented, and make appropriate recommendation to the Advisory Committee.

E. SUPPLEMENTAL WATER RECHARGE REVISED FORMS (Page 113)

Recommend approval of the revised Form 2, and its use instead of the existing Form 2.

F. CALENDAR YEAR 2017 APPROPRIATIVE POOL VOLUME VOTE (Page 137)

Approve the Calendar Year 2017 Appropriative Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

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

1. Responses to Questions for Clarification of Safe Yield Reset Tentative Orders
2. December 9, 2016 Court Hearing re Physical Solution Transfer Rate Substitution
3. Submittal of 2015 Ground-Level Monitoring Committee Annual Report

B. ENGINEER REPORT

1. Prado Basin Habitat Sustainability Committee
2. Ground-Level Monitoring Committee
3. RMPU Project Support and MPI Analysis
4. Basin Monitoring Program Task Force

C. CFO REPORT

1. Fiscal Year 2016/17 Assessment Invoicing

D. GM REPORT

1. FY 2015/16 Replenishment Water Order
2. Water Use Efficiency With Farmers in the Chino Basin
3. Other

IV. INFORMATION

1. Cash Disbursements for October 2016 (*Page 153*)

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. Appropriative Pool Strategic Planning Discussion

VIII. FUTURE MEETINGS AT WATERMASTER

11/10/16	Thu	9:00 a.m.	Appropriative Pool Meeting
11/10/16	Thu	11:00 a.m.	Non-Agricultural Pool Meeting
11/10/16	Thu	1:30 p.m.	Agricultural Pool Meeting
11/15/16	Tue	9:00 a.m.	Groundwater Recharge Coordinating Committee (GRCC)
11/17/16	Thu	8:00 a.m.	Appropriative Pool Strategic Planning (Confidential Session Only)
11/17/16	Thu	9:00 a.m.	Advisory Committee Meeting
11/17/16	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom) CANCELLED
11/17/16	Thu	11:00 a.m.	Watermaster Board Meeting*
12/01/16	Thu	10:30 a.m.	Ground-Level Monitoring Committee Meeting

*Accelerated by a week due to the Thanksgiving Holiday.

ADJOURNMENT

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

11:00 a.m. – November 10, 2016

WITH

Mr. Brian Geye, Chair

Mr. Bob Bowcock, Vice-Chair

(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 13, 2016 (*Page 5*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2016 (*Page 15*)
2. Watermaster VISA Check Detail for the month of September 2016 (*Page 29*)
3. Combining Schedule for the Period July 1, 2016 through September 30, 2016 (*Page 33*)
4. Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016 (*Page 37*)
5. Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016 (*Page 41*)

C. ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN (*Page 59*)

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.

D. CHINO BASIN WATERMASTER 38TH ANNUAL REPORT (*Page 67*)

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

E. WATER TRANSACTION (*Page 69*)

Notice of Sale or Transfer – The purchase of 112.219 acre-feet of water from the City of Pomona by the City of Ontario. This purchase is made from the City of Pomona's Excess Carryover Account. Date of application: August 18, 2016.

II. BUSINESS ITEMS**A. USE OF SB 222 FUNDS IN FISCAL YEAR 2016/17** *(Page 79)*

Recommend that the Advisory Committee direct the use of the SB 222 Funds of \$158,251 to pay for studies and investigations that aid in implementing the OBMP, and find that the proposed use is consistent with the original intent of the legislation.

B. CHINO BASIN WATERMASTER FISCAL YEAR 2016/2017 ASSESSMENT PACKAGE *(Page 91)*

Recommend to the Advisory Committee to approve the Fiscal Year 2016/17 Assessment Package as presented, including no credit for Stormwater New Yield and postponing the assessment of Desalter Replenishment Obligation.

C. RESOLUTION TO LEVY REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS FOR FISCAL YEAR 2016/17 *(Page 95)*

Review Resolution 2016-09 as presented, and offer advice to Watermaster.

D. 2013 RMPU AMENDMENT – PROPOSED YIELD ENHANCEMENT PROJECTS *(Page 101)*

Consider adopting the “Opt out” provisions from Section 5.1[c] of the Safe Yield Reset Agreement and make appropriate recommendation to the Advisory Committee.

Consider adopting the “Post-2014 Stormwater Recharge Program” as presented, and make appropriate recommendation to the Advisory Committee.

E. SUPPLEMENTAL WATER RECHARGE REVISED FORMS *(Page 113)*

Recommend approval of the revised Form 2, and its use instead of the existing Form 2.

F. CALENDAR YEAR 2017 NON-AGRICULTURAL POOL VOLUME VOTE *(Page 143)*

Approve the Calendar Year 2017 Non-Agricultural Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

G. 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.

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

1. Responses to Questions for Clarification of Safe Yield Reset Tentative Orders
2. December 9, 2016 Court Hearing re Physical Solution Transfer Rate Substitution
3. Submittal of 2015 Ground-Level Monitoring Committee Annual Report

B. ENGINEER REPORT

1. Prado Basin Habitat Sustainability Committee
2. Ground-Level Monitoring Committee
3. RMPU Project Support and MPI Analysis
4. Basin Monitoring Program Task Force

C. CFO REPORT

1. Fiscal Year 2016/17 Assessment Invoicing

D. GM REPORT

1. FY 2015/16 Replenishment Water Order
2. Water Use Efficiency With Farmers in the Chino Basin
3. Other

IV. INFORMATION

1. Cash Disbursements for October 2016 (*Page 153*)

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. Safe Yield Reset
2. Pool Membership

VIII. FUTURE MEETINGS AT WATERMASTER

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*Accelerated by a week due to the Thanksgiving Holiday.

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**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – November 10, 2016

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

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 Agricultural Pool Special Meeting held October 5, 2016 (*Page 9*)
2. Minutes of the Agricultural Pool Meeting held October 13, 2016 (*Page 10*)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2016 (*Page 15*)
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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.

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B. CHINO BASIN WATERMASTER FISCAL YEAR 2016/2017 ASSESSMENT PACKAGE *(Page 91)*

Recommend to the Advisory Committee to approve the Fiscal Year 2016/17 Assessment Package as presented, including no credit for Stormwater New Yield and postponing the assessment of Desalter Replenishment Obligation.

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Consider adopting the “Post-2014 Stormwater Recharge Program” as presented, and make appropriate recommendation to the Advisory Committee.

E. SUPPLEMENTAL WATER RECHARGE REVISED FORMS *(Page 113)*

Recommend approval of the revised Form 2, and its use instead of the existing Form 2.

F. WATER USE EFFICIENCY WITH FARMERS IN THE CHINO BASIN (INFORMATION ONLY) *(Page 149)*

Presentation by IEUA – For information only.

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

1. Responses to Questions for Clarification of Safe Yield Reset Tentative Orders
2. December 9, 2016 Court Hearing re Physical Solution Transfer Rate Substitution
3. Submittal of 2015 Ground-Level Monitoring Committee Annual Report

B. ENGINEER REPORT

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4. Basin Monitoring Program Task Force

C. CFO REPORT

1. Fiscal Year 2016/17 Assessment Invoicing

D. GM REPORT

1. FY 2015/16 Replenishment Water Order
2. CY 2017 Volume Vote
3. Other

IV. INFORMATION

1. Cash Disbursements for October 2016 (*Page 153*)

V. POOL DISCUSSION

1. Chairman's Update
2. 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

11/10/16	Thu	9:00 a.m.	Appropriative Pool Meeting
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11/17/16	Thu	9:30 a.m.	Recharge Investigations and Projects Committee (RIPCom) CANCELLED
11/17/16	Thu	11:00 a.m.	Watermaster Board Meeting*
12/01/16	Thu	10:30 a.m.	Ground-Level Monitoring Committee Meeting

*Accelerated by a week due to the Thanksgiving Holiday.

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Appropriative Pool Meeting held on October 13, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

October 13, 2016

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on October 13, 2016.

APPROPRIATIVE POOL MEMBERS PRESENT

Darron Poulsen, Chair
Todd Corbin, Vice-Chair
Josh Swift
Cris Fealy
Ron Craig
Rosemary Hoerning
Justin Scott-Coe
Ben Lewis
Van Jew
Scott Burton
Jo Lynne Russo-Pereyra for Marty Zvirbulis
J. Arnold Rodriguez
Dave Crosley
Bob Page

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

WATERMASTER STAFF PRESENT

Peter Kavounas
Joseph Joswiak
Anna Truong
Justin Nakano

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

WATERMASTER CONSULTANTS PRESENT

Brad Herrema
Mark Wildermuth
Andy Malone

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

OTHERS PRESENT

Joel Ignacio
Joanne Chan
Pete Hall
Eric Tarango
Shaun Stone
Kevin Brandt
Andy Campbell
John Bosler
Katie Gienger
Eric Grubb
Raul Garibay
Sheri Rojo
Jason Gu
Curtis Paxton
Amanda Coker
Sylvie Lee

Inland Empire Utilities Agency
West Valley Water District
State of California – CIM
Fontana Water Company
Inland Empire Utilities Agency
Stantec Consulting Services
Inland Empire Utilities Agency
Cucamonga Valley Water District
City of Ontario
Cucamonga Valley Water District
City of Pomona
Basin Creek Consulting
Inland Empire Utilities Agency
Chino Basin Desalter Authority
City of Chino
Inland Empire Utilities Agency

CALL TO ORDER

Chair Poulsen called the Appropriative Pool meeting to order at 9:02 a.m.

AGENDA - ADDITIONS/REORDER

None

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Appropriative Pool Meeting held August 11, 2016
2. Minutes of the Appropriative Pool Meeting held September 8, 2016

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2016
2. Watermaster VISA Check Detail for the month of August 2016
3. Combining Schedule for the Period July 1, 2016 through August 31, 2016
4. Treasurer's Report of Financial Affairs for the Period August 1, 2016 through August 31, 2016
5. Budget vs. Actual Report for the Period July 1, 2016 through August 31, 2016

(0:00:23)

Motion by Mr. Scott Burton, seconded by Mr. Ron Craig, and by unanimous vote

Moved to approve the Consent Calendar as presented

II. BUSINESS ITEMS

A. 2015 GROUND-LEVEL MONITORING COMMITTEE ANNUAL REPORT

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2015 Annual Report of the Ground-Level Monitoring Committee, along with filing a copy with the Court.

(0:00:41) Mr. Kavounas gave a report.

(0:01:28)

Motion by Mr. Ron Craig, seconded by Mr. Van Jew, and by unanimous vote

Moved to recommend to Advisory Committee approval of Business Item II.A. as presented

B. SUPPLEMENTAL WATER RECHARGE PROCEDURE

Offer advice and assistance.

(0:01:48) Mr. Kavounas gave a report. A discussion ensued. Based on comments received, the item will be revised, and brought back to the October 2016 Advisory Committee meeting.

C. RECHARGE MASTER PLAN UPDATE AMENDMENT – PROPOSED YIELD ENHANCEMENT PROJECTS (FOR INFORMATION AND DISCUSSION ONLY)

For information and discussion only.

(0:37:43) Mr. Kavounas gave an introduction to Business Item II.C., the RMPU Amendment Proposed Yield Enhancement Project, and handed off to Mr. Nakano and Mr. Joel Ignacio (Inland Empire Utilities Agency) to give a presentation. A discussion ensued.

D. EXHIBIT “G” PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

Approve the proposed multi-year, (Fiscal Years 2016-17 through 2018-19) substitute Physical Solution Transfer rate, recommend Advisory Committee approval, and approve Watermaster legal counsel’s filing of motion for Court approval of the same.

Due to time constraints, Business Item II.D. was taken out of order; after the Legal Counsel and CFO Reports to allow Messrs. Herrema and Joswiak to give their reports and be excused to attend the Non-Agricultural Pool meeting.

(2:01:34) Mr. Kavounas gave an introduction to Business Item II.D., the Exhibit “G” Physical Solution Transfer Rate Substitution, and handed off to Ms. Truong to give a report.

(2:01:44) Ms. Truong gave a report. A discussion ensued.

(2:29:05)

Motion by Mr. Josh Swift, seconded by Ms. JoLynne Russo-Pereyra, and by majority vote

Moved to approve a one-year, (Fiscal Year 2016-17) Exhibit “G” Physical Solution Transfer Rate Substitution of \$570 per acre-foot.

No Votes:

Mr. Justin Scott-Coe – Monte Vista Water District

Mr. Van Jew – Monte Vista Irrigation Company

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. September 23, 2016 Hearing and Subsequent Ruling

(1:50:39) Mr. Herrema gave a report between Business Items II.C., and II. D. so that he could be excused to attend the Non-Agricultural Pool meeting.

B. ENGINEER REPORT

1. RMPU Projects Support
2. Recomputation of Ambient Water Quality
3. Water Rights Compliance
4. Model Update and Required Demonstrations
5. 2016-17 Meeting/Reporting Schedules for Prado Basin Habitat Sustainability Program and Ground-Level Monitoring Committees

(2:30:17) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

1. Use of SB 222 Fund

(1:54:40) Mr. Joswiak gave a report between Business Items II.C., and II. D. so that he could be excused to attend the Non-Agricultural Pool meeting. A discussion ensued.

D. GM REPORT

- 1. FY 2016/17 Assessment Package
- 2. Storage Management
- 3. FY 2015/16 Replenishment Water Order
- 4. Holiday Meeting Schedule
- 5. Other

(2:37:04) Mr. Kavounas gave a report.

IV. INFORMATION

- 1. Cash Disbursements for September 2016
- 2. Recharge Investigations and Projects Committee (RIPCom)
- 3. RMPU Status Report
- 4. Ground-Level Monitoring Status Report
- 5. South Archibald and Chino Airport Plumes Status Report
- 6. FY 2016/17 First Interim Organization Performance Report

V. POOL MEMBER COMMENTS

(2:45:52) Ms. Russo-Pereyra thanked Mr. Kavounas and staff for making the parking lot available to the City of Rancho Cucamonga for the "Walk Your Child to School Day" held on October 5, 2016.

(2:46:30) Chair Poulsen asked Mr. Kavounas to provide an update on the SARCCUP process. A discussion ensued.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

None

ADJOURNMENT

Chair Poulsen adjourned the Appropriative Pool meeting at 11:52 a.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. BUSINESS ITEM ROUTINE

A. MINUTES

1. Non-Agricultural Pool Meeting held on October 13, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING

October 13, 2016

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 13, 2016.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Brian Geye, Chair	Auto Club Speedway
Bob Page	County of San Bernardino

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

Ken Jeske	California Steel Industries (CSI)
Tom O'Neill	Ontario City Non-Agricultural

WATERMASTER STAFF PRESENT AT WATERMASTER

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Executive Services Director/Board Clerk
Justin Nakano	Water Resources Senior Associate
Janine Wilson	Recording Secretary

WATERMASTER CONSULTANT PRESENT AT WATERMASTER

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

OTHERS PRESENT AT WATERMASTER

Pete Hall	State of California – CIM
Joel Ignacio	Inland Empire Utilities Agency
Shaun Stone	Inland Empire Utilities Agency

NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL

Allen Hubsch	Loeb & Loeb, LLP
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CALL TO ORDER

Chair Geye called the Non-Agricultural Pool meeting to order at 11:03 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 8, 2016

(0:03:18) Chair Geye inquired as to why Mr. Jew was listed on the minutes under Others Present at the September 2016 Non-Agricultural Pool Meeting instead of listed under Non-Agricultural Pool Members Present at Watermaster. Mr. Joswiak stated he would research and have the minutes corrected.

(0:04:09)

Motion by Mr. Bob Page, seconded by Mr. Tom O'Neill. 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. with the correction as noted above.

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2016
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(0:04:34)

Motion by Mr. Bob Page, seconded by Mr. Tom O'Neill. 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. as presented.

II. BUSINESS ITEMS

A. 2015 GROUND-LEVEL MONITORING COMMITTEE ANNUAL REPORT

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2015 Annual Report of the Ground-Level Monitoring Committee, along with filing a copy with the Court.

(0:05:00) Mr. Herrema gave a report.

(0:06:04)

Motion by Mr. Bob Page, seconded by Mr. Ken Jeske. The Chair called for dissent, and, none being noted, the motion was deemed passed by unanimous vote of those present.

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

B. SUPPLEMENTAL WATER RECHARGE PROCEDURE

Offer advice and assistance.

(0:06:30) Mr. Herrema gave a report. A discussion ensued.

(0:20:56)

Motion by Mr. Ken Jeske, 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 direct the Pool representatives to support Business Item II.B. at the Advisory Committee and Watermaster Board meetings subject to comments made at today's meeting and changes which they deem appropriate.

C. RECHARGE MASTER PLAN UPDATE AMENDMENT – PROPOSED YIELD ENHANCEMENT PROJECTS (FOR INFORMATION AND DISCUSSION ONLY)

For information and discussion only.

(0:22:10) Mr. Herrema gave an introduction to Business Item II.C., the RMPU Amendment Proposed Yield Enhancement Project, and handed off to Mr. Nakano and Mr. Joel Ignacio (Inland Empire Utilities Agency) to give a report. A discussion ensued.

D. EXHIBIT “G” PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

Approve the proposed multi-year, (Fiscal Years 2016-17 through 2018-19) substitute Physical Solution Transfer rate, recommend Advisory Committee approval, and approve Watermaster legal counsel’s filing of motion for Court approval of the same.

(0:27:40) Mr. Herrema informed the Pool that Business Item II.D., the Exhibit “G” Physical Solution Transfer Rate Substitution was still being discussed at the Appropriative Pool meeting. The item was deferred until the Appropriative Pool has taken action on the item.

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.
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.

(0:28:47) There were no changes to note.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. September 23, 2016 Hearing and Subsequent Ruling

(0:29:00) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

1. RMPU Projects Support
2. Recomputation of Ambient Water Quality
3. Water Rights Compliance
4. Model Update and Required Demonstrations
5. 2016-17 Meeting/Reporting Schedules for Prado Basin Habitat Sustainability Program and Ground-Level Monitoring Committees

(0:35:33) Mr. Wildermuth gave a report.

C. CFO REPORT

1. Use of SB 222 Fund

(0:37:28) Mr. Joswiak gave a report. A discussion ensued.

D. GM REPORT

1. FY 2016/17 Assessment Package
2. Storage Management
3. FY 2015/16 Replenishment Water Order
4. Holiday Meeting Schedule
5. Other

(0:43:43) Mr. Herrema gave an update on the action taken at the Appropriative Pool meeting for Business Item II.D., the Exhibit “G” Physical Solution Transfer Rate Substitution. The Non-Agricultural Pool will take this item in confidential session.

(0:44:15) Mr. Herrema gave a report.

IV. INFORMATION

- 1. Cash Disbursements for September 2016
- 2. Recharge Investigations and Projects Committee (RIPCom)
- 3. RMPU Status Report
- 4. Ground Level Monitoring Status Report
- 5. South Archibald and Chino Airport Plumes Status Report
- 6. FY 2016/17 First Interim Organization Performance Report

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Geye called for a confidential session at 11:55 a.m. to discuss the following items:

- 1. Safe Yield Reset
- 2. Exhibit G – Substitute Transfer Rate
- 3. Legal Counsel Update

Confidential session concluded at 12:18 p.m. with the following reportable actions:

- 1. The Non-Agricultural Pool has also approved a one-year, (Fiscal Year 2016/17) Exhibit “G” Physical Solution Transfer Rate Substitution of \$570 per acre-foot, recommend that the Pool representatives support at the Advisory Committee and Board meetings, and approve Watermaster legal counsel’s filing of motion for Court approval of the same.
- 2. The Non-Agricultural Pool authorized Chair Geye to sign a new representation letter with Mr. Hubsch’s new firm, Loeb & Loeb, LLP as well as, a document transfer request to retrieve past files from Mr. Hubsch’s previous firm, Hogan Lovells US LLP.

(0:51:33) Mr. Kavounas announced that the Assessment Package Workshop will be held on November 2, 2016.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 12:19 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Special Meeting held on October 5, 2016
2. Agricultural Pool Meeting held on October 13, 2016

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL – SPECIAL MEETING

October 5, 2016

The Agricultural Pool special meeting was held at the offices of the Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA, and via conference call on October 5, 2016.

AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Pete Hall	State of California – CIM
Lawrence Dimock	State of California – CIM
Carol Boyd	State of California – CIM
Rob Vanden Heuvel	Dairy

AGRICULTURAL POOL MEMBERS PRESENT ON CALL

John Huitsing	Dairy
Bob Page	County of San Bernardino
Henry DeHaan for Nathan deBoom	Dairy

WATERMASTER BOARD MEMBERS PRESENT AT WATERMASTER

Paul Hofer	Crops
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WATERMASTER BOARD MEMBERS PRESENT ON CALL

Geoffrey Vanden Heuvel	Dairy
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OTHERS PRESENT

Tracy Egoscue	Egoscue Law Group
Richard Rees	AMEC

OTHERS PRESENT ON CALL

Diana Frederick	State of California – CDCR
Peter Thyberg	State of California – CDCR
Marilyn Levin	State of California – DOJ

CALL TO ORDER

Chair Feenstra called the Agricultural Pool special meeting to order at 12:15 p.m.

I. CONFIDENTIAL SESSION

The confidential session discussion began at 12:15 p.m. and concluded at 4:00 p.m. with no reportable action.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool special meeting at 4:00 p.m.

Secretary: _____

Approved: _____

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING

October 13, 2016

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on October 13, 2016.

AGRICULTURAL POOL MEMBERS PRESENT

Bob Feenstra, Chair	Dairy
Jeff Pierson, Vice-Chair	Crops
Pete Hall	State of California – CIM
Lawrence Dimock	State of California – CIM
Bob Page	County of San Bernardino
John Huitsing	Dairy
Rob Vanden Heuvel	Dairy
Marilyn Levin for Carol Boyd	State of California – DOJ
Ron LaBrucherie, Jr.	Crops

WATERMASTER STAFF PRESENT

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Anna Truong	Executive Services Director/Board Clerk
Justin Nakano	Water Resources Senior Associate

WATERMASTER CONSULTANTS PRESENT

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

OTHERS PRESENT

Diana Frederick	State of California – CDCR
Joel Ignacio	Inland Empire Utilities Agency
Shaun Stone	Inland Empire Utilities Agency
Tracy Egoscue	Egoscue Law Group
Richard Rees	AMEC
Dave Crosley	City of Chino

CALL TO ORDER

Chair Feenstra called the Agricultural Pool meeting to order at 1:36 p.m.

AGENDA - ADDITIONS/REORDER

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Agricultural Pool Meeting held September 8, 2016
2. Minutes of the Agricultural Pool Special Meeting held September 21, 2016
3. Minutes of the Agricultural Pool Special Meeting held September 22, 2016

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2016
2. Watermaster VISA Check Detail for the month of August 2016
3. Combining Schedule for the Period July 1, 2016 through August 31, 2016

- 4. Treasurer's Report of Financial Affairs for the Period August 1, 2016 through August 31, 2016
- 5. Budget vs. Actual Report for the Period July 1, 2016 through August 31, 2016

(0:01:32)

Motion by Mr. Ron LaBrucherie, Jr., seconded by Mr. Pete Hall, and by unanimous vote

Moved to approve Consent Calendar as presented

II. BUSINESS ITEMS

A. 2015 GROUND-LEVEL MONITORING COMMITTEE ANNUAL REPORT

Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 2015 Annual Report of the Ground-Level Monitoring Committee, along with filing a copy with the Court.

(0:02:01) Mr. Kavounas gave a report. A discussion ensued.

(0:03:04)

Motion by Vice-Chair Pierson, seconded by Mr. Pete Hall, and by unanimous vote

Moved to approve Business Item II.A. as presented

B. SUPPLEMENTAL WATER RECHARGE PROCEDURE

Offer advice and assistance.

(0:05:35) Mr. Kavounas gave a report. A discussion ensued.

(0:08:28) Ms. Levin joined the meeting.

(0:10:39) Based on comments received by all Pools, the item will be revised, and brought back to the October 2016 Advisory Committee meeting.

C. RECHARGE MASTER PLAN UPDATE AMENDMENT – PROPOSED YIELD ENHANCEMENT PROJECTS (FOR INFORMATION AND DISCUSSION ONLY)

For information and discussion only.

(0:11:48) Mr. Kavounas gave an introduction to Business Item II.C., the RMPU Amendment Proposed Yield Enhancement Project, and handed off to Mr. Nakano and Mr. Joel Ignacio (Inland Empire Utilities Agency) to give a presentation. A discussion ensued.

D. OLD BUSINESS

None

(0:45:48) Chair Feenstra handed the meeting over to Vice-Chair Pierson to tend to another matter.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

- 1. September 23, 2016 Hearing and Subsequent Ruling

(0:46:07) Mr. Herrema gave a report. A discussion ensued.

(0:51:38) Chair Feenstra re-joined the Agricultural Pool meeting.

B. ENGINEER REPORT

1. RMPU Projects Support
2. Recomputation of Ambient Water Quality
3. Water Rights Compliance
4. Model Update and Required Demonstrations
5. 2016-17 Meeting/Reporting Schedules for Prado Basin Habitat Sustainability Program and Ground-Level Monitoring Committees

(0:51:42) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

1. Use of SB 222 Fund

(1:02:09) Mr. Joswiak gave a report. A discussion ensued.

D. GM REPORT

1. Exhibit "G" Physical Solution Transfer Rate Substitution
2. FY 2016/17 Assessment Package
3. Storage Management
4. FY 2015/16 Replenishment Water Order
5. Holiday Meeting Schedule
6. Other

(1:17:07) Mr. Kavounas gave an introduction to GM Report Item III.D.1., the Exhibit "G" Physical Solution Transfer Rate Substitution, and handed off to Ms. Truong to give a report.

(1:17:40) Ms. Truong gave a report.

(1:19:13) Mr. Kavounas gave a report on the remainder of the GM Report items. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for September 2016
2. Recharge Investigations and Projects Committee (RIPCom)
3. RMPU Status Report
4. Ground Level Monitoring Status Report
5. South Archibald and Chino Airport Plumes Status Report
6. FY 2016/17 First Interim Organization Performance Report

V. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

(1:25:51) Chair Feenstra commented about coordination with Watermaster staff regarding water quality data.

(1:27:10) Vice-Chair Pierson requested a white paper of issues regarding storage management. A discussion ensued.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Feenstra called for a confidential session at 3:04 p.m. to discuss Pool business. Confidential session concluded at 3:30 p.m. with the following reportable action:

*Motion by Vice-Chair Jeff Pierson, seconded by Mr. Rob Vanden Heuvel, and by unanimous vote
**Moved to approve draft language for water data release related to the Ambient Water Quality
recomputation.***

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 3:32 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 2016
2. Watermaster VISA Check Detail for the month of September 2016
3. Combining Schedule for the Period July 1, 2016 through September 30, 2016
4. Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016
5. Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016

I. BUSINESS ITEM ROUTINE (Non-Ag Pool)

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of September 2016
2. Watermaster VISA Check Detail for the month of September 2016
3. Combining Schedule for the Period July 1, 2016 through September 30, 2016
4. Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016
5. Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016



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 10, 2016
TO: Pool Committee Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (September 30, 2016)

SUMMARY

Issue: Record of Cash Disbursements for the month of September 30, 2016.

Recommendation: Receive and file Cash Disbursements for September 30, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2016/17 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: November 10, 2016; Receive and File
Non-Agricultural Pool: November 10, 2016; Receive and File
Agricultural Pool: November 10, 2016; Receive and File
Advisory Committee: November 17, 2016; Receive and File
Watermaster Board: November 17, 2016; Receive and File (Normal Course of Business)

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – 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 2016 were \$941,316.48.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amounts of \$156,034.92 and \$296,895.25 (check number 19646 dated September 8, 2016 and check number 19711 dated September 27, 2016); and Inland Empire Utilities Agency in the amount of \$243,510.82 (check number 19694 dated September 27, 2016).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/02/2016	ACH 090216	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	08/27/2016	08/27/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 08/14/16-08/27/16	2000 · Accounts Payable	6,086.69
TOTAL						6,086.69
Bill Pmt -Check	09/08/2016	19646	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	07/31/2016	2016250		2016250	6906.31 · OBMP-Pool, Adv. Board Mtgs	7,878.58
Bill	07/31/2016	2016251		2016251	6906.32 · OBMP-Other General Meetings	3,905.88
Bill	07/31/2016	2016252		2016252	6910.11 · WEI Support-Grant Funding-RMPU	2,980.00
Bill	07/31/2016	2016253		2016253	6906.71 · OBMP-Data Req.-CBWM Staff	1,266.50
				Contract Services	6906.71 · OBMP-Data Req.-CBWM Staff	10,360.00
Bill	07/31/2016	2016254		2016254	6906.71 · OBMP-Data Req.-CBWM Staff	21,911.24
Bill	07/31/2016	2016255		2016255	6906.72 · OBMP-Data Req.-Non CBWM Staff	1,934.50
Bill	07/31/2016	2016256		2016256	6906.22 · Water Rights Compliance Rprting	6,035.75
Bill	07/31/2016	2016257		2016257	6906 · OBMP Engineering Services	1,848.50
Bill	07/31/2016	2016258		2016258	6906.1 · OBMP-Watermaster Model Update	2,359.00
Bill	07/31/2016	2016259		2016259	6906.24 · Compliance-SB88 and SWRCB	15,334.75
Bill	07/31/2016	2016260		2016260	6906.81 · Prepare 38th/39th Annual Rpts	5,656.72
Bill	07/31/2016	2016261		2016261	7103.3 · Grdwtr Qual-Engineering	16,737.50
Bill	07/31/2016	2016262		2016262	7104.3 · Grdwtr Level-Engineering	8,788.37
Bill	07/31/2016	2016263		2016263	7107.2 · Grd Level-Engineering	4,590.54
Bill	07/31/2016	2016264		2016264	7108.3 · Hydraulic Control-Engineering	819.70
Bill	07/31/2016	2016265		2016265	7108.3 · Hydraulic Control-Engineering	1,232.07
Bill	07/31/2016	2016266		2016266	7202.2 · Engineering Svc	17,888.99
Bill	07/31/2016	2016267		2016267	7402 · PE4-Engineering	10,404.50
				Michael C. Carpenter	7402 · PE4-Engineering	500.00
Bill	07/31/2016	2016268		2016268	7402.10 · PE4 - Northwest MZ1 Area Proj.	7,888.48
				Parsons Brinckerhoff	7402.10 · PE4 - Northwest MZ1 Area Proj.	3,664.65
Bill	07/31/2016	2016269		2016269	7502 · PE6&7-Engineering	1,405.20
Bill	07/31/2016	2016270		2016270	6910.13 · IEUA-San Sevaine Imp. Proj.	643.50
TOTAL						156,034.92
Bill Pmt -Check	09/08/2016	19647	APPLIED COMPUTER TECHNOLOGIES	2693	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	2693		Database Consulting Services - August 2016	6052.2 · Applied Computer Technol	4,064.80
TOTAL						4,064.80
Bill Pmt -Check	09/08/2016	19648	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/08/2016	19649	CORELOGIC INFORMATION SOLUTIONS	81722216	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	81722216		81722216	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81722216	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	09/08/2016	19650	CURATALO, JAMES	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Appro Pool Mtg		8/11/16 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/18/2016	8/18 CBWM Discussion		8/18/16 CBWM Discussion meeting	6311 · Board Member Compensation	125.00
Bill	08/23/2016	8/23 Board Agenda		8/23/16 Board Agenda Preview meeting	6311 · Board Member Compensation	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						500.00
Bill Pmt -Check	09/08/2016	19651	DELUXE BUSINESS FORMS & SUPPLIES	2037698011	1012 · Bank of America Gen'l Ckg	
Bill	08/30/2016	2037698011		Check reorder	6031.7 · Other Office Supplies	603.31
TOTAL						603.31
Bill Pmt -Check	09/08/2016	19652	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	L0278877		L0278877	7103.5 · Grdwtr Qual-Lab Svcs	848.00
Bill	08/31/2016	L0278709		L0278709	7103.5 · Grdwtr Qual-Lab Svcs	1,476.00
Bill	08/31/2016	L0278512		L0278512	7103.5 · Grdwtr Qual-Lab Svcs	573.00
Bill	08/31/2016	L0279655		L0279655	7103.5 · Grdwtr Qual-Lab Svcs	573.00
TOTAL						3,470.00
Bill Pmt -Check	09/08/2016	19653	FEDAK & BROWN LLP		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016			Progress Billing - August 2016	6062 · Audit Services	3,120.00
TOTAL						3,120.00
Bill Pmt -Check	09/08/2016	19654	JESKE, KEN'	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/08/2016	19655	JOHN J. SCHATZ		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016			Appropriative Pool Legal Services - July 2016	8367 · Legal Service	2,890.00
TOTAL						2,890.00
Bill Pmt -Check	09/08/2016	19656	MINDSHIFT	0226511	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	0226511		Professional Services	6052.4 · mindSHIFT Technologies, Inc.	960.00
TOTAL						960.00
Bill Pmt -Check	09/08/2016	19657	PETTY CASH	2593-2606	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	09/06/2016	2592-2606		Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	27.52
				Purchase supplies for staff / admin meetings	6141.3 · Admin Meetings	71.68
				Mileage reimbursement	6173 · Airfare/Mileage	18.52
				Purchase water quality supplies	7103.6 · Grdwtr Qual-Supplies	48.00
				Supplies for 7/21/16 ASR Project meeting	7107.9 · Grd Level-Other	53.96
				Mileage reimbursement-recharge mtg. attendance	7204 · Comp Recharge-Supplies	41.47
						261.15
TOTAL						
Bill Pmt -Check	09/08/2016	19658	PREMIERE GLOBAL SERVICES	21877045	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	21877045		Ag well data call on 7/27	6909.1 · OBMP Meetings	6.13
				WM coordination call on 8/01	6909.1 · OBMP Meetings	7.61
				SGMA Boundary Modification call on 8/01	6909.1 · OBMP Meetings	10.88
				Pool agenda prep call on 8/02	8312 · Meeting Expenses	4.18
				Pool agenda prep call on 8/02	8412 · Meeting Expenses	4.18
				Pool agenda prep call on 8/02	8512 · Meeting Expense	4.18
				Appropriative Pool agenda call on 8/03	8312 · Meeting Expenses	6.12
				Appropriative Pool agenda call on 8/03	8312 · Meeting Expenses	6.13
				Appropriative Pool agenda call on 8/04	8312 · Meeting Expenses	6.12
				Pool meetings check call on 8/10	8312 · Meeting Expenses	4.46
				Pool meetings check call on 8/10	8412 · Meeting Expenses	4.46
				Pool meetings check call on 8/10	8512 · Meeting Expense	4.46
				Non Ag Pool meeting call on 8/11	8512 · Meeting Expense	11.86
				Non Ag Pool meetings call on 8/11	8512 · Meeting Expense	6.12
				SB 88 Compliance call on 8/15	6909.1 · OBMP Meetings	23.05
				Approp. Pool Strategic Planning Confidential Sessic	8312 · Meeting Expenses	7.40
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				Fee - Service	6022 · Telephone	4.12
						219.46
TOTAL						
Bill Pmt -Check	09/08/2016	19659	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2016	1394905143		Unfunded Accrued Liability "Classic"	60180 · Employers PERS Expense	3,590.95
Bill	09/01/2016	1394905143		Unfunded Accrued Liability "New"	60180 · Employers PERS Expense	2.97
						3,593.92
TOTAL						
Bill Pmt -Check	09/08/2016	19660	RAUCH COMMUNICATION CONSULTANTS, LLC Aug-1603		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	Aug-1603		Work thru July 31, 2016	6061.3 · Rauch	408.75
						408.75
TOTAL						
Bill Pmt -Check	09/08/2016	19661	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
September 2016

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/30/2016	0023230253		Office Water Bottle - August 2016	6031.7 · Other Office Supplies	102.43
TOTAL						102.43
Bill Pmt -Check	09/08/2016	19662	RR FRANCHISING, INC.	27292	1012 · Bank of America Gen'l Ckg	
Bill	09/06/2016	27292		Monthly service charge 9/01/16-9/30/16	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	09/08/2016	19663	THOMAS, THOMAS R.	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/08/2016	8/08 Admin Mtg		8/08/16 Administrative Meeting w/PK	6311 · Board Member Compensation	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	09/08/2016	19664	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	7076224530355049		August 2016	6175 · Vehicle Fuel	174.45
TOTAL						174.45
Bill Pmt -Check	09/08/2016	19665	UNITED HEALTHCARE	0041395172	1012 · Bank of America Gen'l Ckg	
Bill	08/30/2016	0041395172		Dental Insurance - September 2016	60182.2 · Dental & Vision Ins	755.42
TOTAL						755.42
Bill Pmt -Check	09/08/2016	19666	VANDEN HEUVEL, GEOFFREY	6311	1012 · Bank of America Gen'l Ckg	
Bill	06/30/2016	1/14 Ag Pool Mtg		1/14/16 Ag Pool Mtg-replace #19257, lost in mail	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/08/2016	19667	VISTAGE WORLDWIDE, INC.	SOPINV00000457847	1012 · Bank of America Gen'l Ckg	
Bill	08/30/2016	SOPINV00000457847		PK Membership dues for Oct. 2016 - Sep. 2017	1433 · Prepaid Membership Dues	16,065.00
TOTAL						16,065.00
Bill Pmt -Check	09/08/2016	19668	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting - Don Galleano attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/08/2016	19669	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	09/01/2016	08-k2 213849		September 2016	6024 · Building Repair & Maintenance	111.57
TOTAL						111.57
Bill Pmt -Check	09/08/2016	19670	ZAPIEN, ENRIQUE	Mileage Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	08/30/2016			Mileage reimbursemnt-water quality samples to lab	7103.5 · Grdwtr Qual-Lab Svcs	69.66
TOTAL						69.66

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/08/2016	19671	EGOSCUE LAW GROUP	11416	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	11416		Ag Pool Legal Services - August 2016	8467 · Ag Legal & Technical Services	14,247.50
TOTAL						14,247.50
Bill Pmt -Check	09/08/2016	19672	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Appro Pool Mtg		8/11/16 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
General Journal	09/10/2016	09/10/2016	Payroll and Taxes for 08/28/16-09/10/16	Payroll and Taxes for 08/28/16-09/10/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 08/28/16-09/10/16	1012 · Bank of America Gen'l Ckg	22,213.92
				Payroll Taxes for 08/28/16-09/10/16	1012 · Bank of America Gen'l Ckg	9,642.04
				Payroll Checks for 08/28/16-09/10/16	1014 · Bank of America P/R Ckg	4,496.93
			ICMA-RC	457(b) Employee Deductions for 08/28/16-09/10/16	1012 · Bank of America Gen'l Ckg	3,639.27
			ICMA-RC	401(a) Employee Deductions for 08/28/16-09/10/16	1012 · Bank of America Gen'l Ckg	1,059.87
TOTAL						41,052.03
Bill Pmt -Check	09/14/2016	19673	BUREAU OF RECLAMATION	90475330	1012 · Bank of America Gen'l Ckg	
Bill	09/13/2016	90475330		Vegetation monitoring of Prado Basin	7108.31 · Hydraulic Control - PBHSP	40,000.00
TOTAL						40,000.00
Bill Pmt -Check	09/15/2016	ACH 091516	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	09/10/2016	09/10/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 08/28/169-09/10/16	2000 · Accounts Payable	5,924.14
TOTAL						5,924.14
Check	09/15/2016	09/15/2016	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	588.04
TOTAL						588.04
Bill Pmt -Check	09/19/2016	19674	ACWA JOINT POWERS INSURANCE AUTHORITY	0433230	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	0433230		Prepayment - October 2016	1409 · Prepaid Life, BAD&D & LTD	160.99
				September 2016	60191 · Life & Disab.Ins Benefits	141.32
TOTAL						302.31
Bill Pmt -Check	09/19/2016	19675	AUTOMOBILE CLUB OF SOUTHERN CALIFORNIA	Membership# 98966125	1012 · Bank of America Gen'l Ckg	
Bill	09/07/2016	98966125		Yearly membership	6177 · Vehicle Repairs & Maintenance	79.00
TOTAL						79.00
Bill Pmt -Check	09/19/2016	19676	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
				8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	08/31/2016	8/31 Ag Pool Conf		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/31/16 Ag Pool Confidential Session	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	09/19/2016	19677	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	08/31/2016	8/31 Ag Pool Conf		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/31/16 Ag Pool Confidential Session	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	09/19/2016	19678	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/04/2016	8/04 Admin Mtgs		8/04/16 Administrative and AMP meetings	6311 · Board Member Compensation	125.00
Bill	08/23/2016	8/23 Board Agenda		8/23/16 Board Agenda Prep meeting	6311 · Board Member Compensation	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
P22						
Bill Pmt -Check	09/19/2016	19679	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/11/2016	8/11 Advisory Comm		8/11/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/26/2016	8/26 Well Data Mtg		8/26/16 Private Well Data Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/31/2016	8/31 Ag Pool Conf		8/31/16 Ag Pool Confidential Session	8470 · Ag Meeting Attend -Special	125.00
TOTAL						625.00
Bill Pmt -Check	09/19/2016	19680	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	09/19/2016	19681	IAAP	93942242	1012 · Bank of America Gen'l Ckg	
Bill	09/09/2016	93942242		Annual dues for A. Truong IAAP membership	6111 · Membership Dues	141.00
TOTAL						141.00
Bill Pmt -Check	09/19/2016	19682	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/08/2016	8/08 Admin Mtg		8/08/16 Administrative Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	09/19/2016	19683	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/11/2016	8/11 Ag Pool Mtg		8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/18/2016	8/18 Advisory Comm		8/11/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/18/2016	8/18 RIPCom Mtg		8/11/16 RIPCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
Bill	08/31/2016	8/31 Ag Pool Conf		8/31/16 Ag Pool Confidential Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL						625.00
Bill Pmt -Check	09/19/2016	19684	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		8/11/16 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	08/25/2016	8/25 Board Mtg		8/25/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	09/19/2016	19685	VANDEN HEUVEL, ROB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	08/11/2016	8/11 Ag Pool Mtg		8/11/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/18/2016	8/18 Advisory Comm		8/18/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	08/31/2016	8/31 Ag Pool Conf		8/31/16 Ag Pool Confidential Session	8470 · Ag Meeting Attend -Special	125.00
TOTAL						375.00
P23 Bill Pmt -Check	09/19/2016	19686	MINDSHIFT	0227285	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	0227285		Professional Services	6052.4 · mindSHIFT Technologies, Inc.	3,623.75
TOTAL						3,623.75
General Journal	09/24/2016	09/24/2016	Payroll and Taxes for 09/11/16-09/24/16	Payroll and Taxes for 09/11/16-09/24/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 09/11/16-09/24/16	1012 · Bank of America Gen'l Ckg	21,259.58
				Payroll Taxes for 09/11/16-09/24/16	1012 · Bank of America Gen'l Ckg	8,619.37
				Payroll Checks for 09/11/16-09/24/16	1014 · Bank of America P/R Ckg	4,496.93
			ICMA-RC	457(b) Employee Deductions for 09/11/16-09/24/16	1012 · Bank of America Gen'l Ckg	3,639.27
			ICMA-RC	401(a) Employee Deductions for 09/11/16-09/24/16	1012 · Bank of America Gen'l Ckg	1,059.87
TOTAL						39,075.02
Bill Pmt -Check	09/27/2016	19687	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	XXXX-XXXX-XXXX-9341		Send check via federal express	6042 · Postage - General	26.64
				Send check to BHFS	6042 · Postage - General	33.28
				Reg.-Joswiak-CalPERS Educational Forum 2016	6193.2 · Conference - Registration Fee	338.32
				Miscellaneous office supplies	6031.7 · Other Office Supplies	187.55
				Send check via federal express	6042 · Postage - General	26.64
				Send information to BofA card services	6042 · Postage - General	70.47
				Send get well flowers	6147 · Other Admin Expenses	70.96
				Certification fee-Truong-Technology Specialty	6193 · Employee Training	72.50
				Reg.-Kavounas-Annual San Bernardino County	6193.2 · Conference - Registration Fee	120.83

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Type	Date	Num	Name	Memo	Account	Paid Amount
				PK meeting w/Tom Thomas	6312 · Meeting Expenses	43.03
				Lunch for 8/11/16 Ag Pool meeting prep	8412 · Meeting Expenses	22.56
				Lunch for 8/11/16 Ag Pool meeting prep	8412 · Meeting Expenses	95.40
				Purchase ink cartridges for office	6031.7 · Other Office Supplies	118.38
				Purchase green tea for Board meetings	6031.7 · Other Office Supplies	13.52
				Purchase ink cartridges for office	6031.7 · Other Office Supplies	69.56
				Purchase ink cartridges and printhead for office	6031.7 · Other Office Supplies	130.51
				Purchase ink cartridge for office	6031.7 · Other Office Supplies	61.37
				Replenishment of Fastrack account	6174 · Public Transportation	29.00
				Lunch-8/31/16 Special Ag Pool Confidential Mtg.	8412 · Meeting Expenses	85.06
				Staff team building and development	6193 · Employee Training	224.26
						1,839.84
TOTAL						
Bill Pmt -Check	09/27/2016	19688	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	09/14/2016	1394905143		1394905143	60182.1 · Medical Insurance	6,879.75
						6,879.75
TOTAL						
P24 Bill Pmt -Check	09/27/2016	19689	CHEF DAVE'S CAFE & CATERING	Board Meeting Lunch	1012 · Bank of America Gen'l Ckg	
Bill	08/25/2016	6294		Lunch for 8/25/16 Watermaster Board meeting	6312 · Meeting Expenses	488.60
Bill	09/23/2016	6357		Lunch for 9/23/16 Watermaster Board meeting	6312 · Meeting Expenses	421.10
						909.70
TOTAL						
Bill Pmt -Check	09/27/2016	19690	CUCAMONGA VALLEY WATER DISTRICT	Lease due October 1, 2016	1012 · Bank of America Gen'l Ckg	
Bill	09/19/2016			Lease due October 1, 2016	1422 · Prepaid Rent	6,371.16
						6,371.16
TOTAL						
Bill Pmt -Check	09/27/2016	19691	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	08/18/2016	L0279837		L0279837	7103.5 · Grdwtr Qual-Lab Svcs	1,256.00
Bill	08/19/2016	L0280542		L0280542	7103.5 · Grdwtr Qual-Lab Svcs	3,988.00
Bill	08/22/2016	L0281744		L0281744	7103.5 · Grdwtr Qual-Lab Svcs	1,056.00
Bill	08/22/2016	L0280543		L0280543	7103.5 · Grdwtr Qual-Lab Svcs	2,512.00
Bill	08/23/2016	L0281118		L0281118	7103.5 · Grdwtr Qual-Lab Svcs	1,539.00
Bill	08/23/2016	L0281119		L0281119	7103.5 · Grdwtr Qual-Lab Svcs	3,140.00
Bill	08/24/2016	L0281527		L0281527	7103.5 · Grdwtr Qual-Lab Svcs	848.00
Bill	08/24/2016	L0281526		L0281526	7103.5 · Grdwtr Qual-Lab Svcs	2,512.00
Bill	09/01/2016	L0282011		L0282011	7103.5 · Grdwtr Qual-Lab Svcs	1,056.00
Bill	09/02/2016	L0282015		L0282015	7103.5 · Grdwtr Qual-Lab Svcs	573.00
						18,480.00
TOTAL						
Bill Pmt -Check	09/27/2016	19692	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	09/10/2016	90948438900509145		Office fax and phone lines	6022 · Telephone	139.42
TOTAL						139.42
Bill Pmt -Check	09/27/2016	19693	GREAT AMERICA LEASING CORP.	19386824	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	19386824		Invoice	6043.1 · Ricoh Lease Fee	3,285.30
				2016 San Bernardino County property tax	6043.3 · Ricoh Property Tax Fees	346.07
TOTAL						3,631.37
Bill Pmt -Check	09/27/2016	19694	INLAND EMPIRE UTILITIES AGENCY	90018787	1012 · Bank of America Gen'l Ckg	
Bill	09/19/2016	90018787		GW Recharge O&M Cost reimbursement-2nd Qtr.	7206 · Comp Recharge-O&M	243,510.82
TOTAL						243,510.82
Bill Pmt -Check	09/27/2016	19695	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	0111802		Employee deductions - September 2016	60194 · Other Employee Insurance	79.70
TOTAL						79.70
Bill Pmt -Check	09/27/2016	19696	LEVEL 3 COMMUNICATIONS	46866348	1012 · Bank of America Gen'l Ckg	
Bill	09/26/2016	46866348		09/17/16-10/16/16	6053 · Internet Expense	1,050.37
TOTAL						1,050.37
Bill Pmt -Check	09/27/2016	19697	McMASTER-CARR SUPPLY CO	78523913	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	78523913		GW quality supplies	7103.6 · Grdwtr Qual-Supplies	31.09
TOTAL						31.09
Bill Pmt -Check	09/27/2016	19698	OFFICE DEPOT		1012 · Bank of America Gen'l Ckg	
Bill	09/16/2016	862583821001		Toner cartridges	6031.7 · Other Office Supplies	369.44
Bill	09/21/2016	862583821002		Toner cartridge	6031.7 · Other Office Supplies	74.38
TOTAL						443.82
Bill Pmt -Check	09/27/2016	19699	PAYCHEX	2016090100	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	2016090100		August 2016	6012 · Payroll Services	437.47
TOTAL						437.47
Bill Pmt -Check	09/27/2016	19700	PUMP MAN	213094	1012 · Bank of America Gen'l Ckg	
Bill	09/13/2016	213094		213094	7103.6 · Grdwtr Qual-Supplies	853.00
TOTAL						853.00
Bill Pmt -Check	09/27/2016	19701	R&D PEST SERVICES	0206135	1012 · Bank of America Gen'l Ckg	
Bill	09/26/2016	0206135		Pest control-ants, spiders, and cockroachs	6024 · Building Repair & Maintenance	100.00
TOTAL						100.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/27/2016	19702	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	09/26/2016	0023230253		Office Water Bottle - September 2016	6031.7 · Other Office Supplies	53.93
TOTAL						53.93
Bill Pmt -Check	09/27/2016	19703	RON SHELLEY'S AUTOMOTIVE	8958	1012 · Bank of America Gen'l Ckg	
Bill	09/16/2016	8958		F-150 maintenance	6177 · Vehicle Repairs & Maintenance	277.39
TOTAL						277.39
Bill Pmt -Check	09/27/2016	19704	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	651.68
TOTAL						651.68
Bill Pmt -Check	09/27/2016	19705	STAPLES BUSINESS ADVANTAGE	8041038605	1012 · Bank of America Gen'l Ckg	
Bill	09/17/2016	8041038605		Lamination of documentscfor 9/13/16 workshop	6031.7 · Other Office Supplies	79.91
TOTAL						79.91
Bill Pmt -Check	09/27/2016	19706	STATE COMPENSATION INSURANCE FUND	1970970-16	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2016	1970970-16		Premium for 9/26/16-10/26/16	60183 · Worker's Comp Insurance	910.00
TOTAL						910.00
Bill Pmt -Check	09/27/2016	19707	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016				60182.4 · Retiree Medical	23.62
TOTAL						23.62
Bill Pmt -Check	09/27/2016	19708	UNITED HEALTHCARE	C0041569949	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	C0041563343		Dental Insurance Premium - October 2016	60182.2 · Dental & Vision Ins	555.38
TOTAL						555.38
Bill Pmt -Check	09/27/2016	19709	VERIZON WIRELESS	9771929641	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	9771929641		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.04
TOTAL						100.04
Bill Pmt -Check	09/27/2016	19710	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg	
Bill	09/26/2016	001017890001		Vision Insurance Premium - October 2016	60182.2 · Dental & Vision Ins	85.60
TOTAL						85.60
Bill Pmt -Check	09/27/2016	19711	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	2016276		2016276	6906.31 · OBMP-Pool, Adv. Board Mtgs	21,673.92
Bill	08/31/2016	2016277		2016277	6906.32 · OBMP-Other General Meetings	3,228.60
Bill	08/31/2016	2016278		2016278	6910.20 · RMPU - MPI Analysis	2,192.10

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	08/31/2016	2016279		2016279	6910.11 · WEI Support-Grant Funding-RMPU	2,022.23
Bill	08/31/2016	2016280		2016280	6906.71 · OBMP-Data Req.-CBWM Staff	2,884.35
				Contract Services	6906.71 · OBMP-Data Req.-CBWM Staff	8,160.00
Bill	08/31/2016	2016281		2016281	6906.71 · OBMP-Data Req.-CBWM Staff	12,941.27
Bill	08/31/2016	2016282		2016282	6906.72 · OBMP-Data Req.-Non CBWM Staff	1,251.40
Bill	08/31/2016	2016283		2016283	6906.22 · Water Rights Compliance Rprting	3,465.10
Bill	08/31/2016	2016284		2016284	6906 · OBMP Engineering Services	1,221.40
Bill	08/31/2016	2016285		2016285	6906.1 · OBMP-Watermaster Model Update	23,757.25
Bill	08/31/2016	2016286		2016286	6906.24 · Compliance-SB88 and SWRCB	14,859.51
Bill	08/31/2016	2016287		2016287	6906.81 · Prepare 38th/39th Annual Rpts	11,126.25
Bill	08/31/2016	2016288		2016288	7103.3 · Grdwtr Qual-Engineering	14,493.40
Bill	08/31/2016	2016289		2016289	7104.3 · Grdwtr Level-Engineering	25,211.59
Bill	08/31/2016	2016290		2016290	7107.2 · Grd Level-Engineering	438.50
Bill	08/31/2016	201691		2016291	7107.2 · Grd Level-Engineering	2,441.05
Bill	08/31/2016	2016292		2016292	7108.3 · Hydraulic Control-Engineering	747.50
Bill	08/31/2016	2016293		2016293	7108.3 · Hydraulic Control-Engineering	7,248.94
Bill	08/31/2016	2016294		2016294	7108.31 · Hydraulic Control - PBHSP	37,194.02
Bill	08/31/2016	2016295		2016295	7109.3 · Recharge & Well - Engineering	2,171.10
Bill	08/31/2016	2016296		2016296	7202.2 · Engineering Svc	7,198.56
Bill	08/31/2016	2016297		2016297	7402 · PE4-Engineering	14,025.80
Bill	08/31/2016	2016298		2016298	7402.10 · PE4 - Northwest MZ1 Area Proj.	27,004.64
Bill	08/31/2016	2016299		2016299	7602 · PE8&9-Engineering	1,579.22
Bill	08/31/2016	2016300		2016300	6910.14 · Truing-Up 2013 RMPU Estimates	48,209.05
Bill	08/31/2016	2016301		2016301	6910.13 · IEUA-San Sevaine Imp. Proj.	148.50
TOTAL						296,895.25
Bill Pmt -Check	09/27/2016	19712	OFFICE DEPOT	862584175001	1012 · Bank of America Gen'l Ckg	
Bill	09/16/2016	862584175001		Miscellaneous office supplies	6031.7 · Other Office Supplies	7.87
TOTAL						7.87
Bill Pmt -Check	09/27/2016	19713	VERIZON WIRELESS	9771449515	1012 · Bank of America Gen'l Ckg	
Bill	09/21/2016	9771449515		Acct #470810953-00001	6022 · Telephone	245.84
TOTAL						245.84
Bill Pmt -Check	09/29/2016	09/29/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	09/24/2016	16/09/07	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 09/11/16-09/24/16	2000 · Accounts Payable	5,924.14
TOTAL						5,924.14
General Journal	09/30/2016	09/30/2016	Wage Works FSA Direct Debits - September 2016	Wage Works FSA Direct Debits - September 2016	1012 · Bank of America Gen'l Ckg	
				Wage Works FSA Direct Debits - September 2016	1012 · Bank of America Gen'l Ckg	638.75

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CHINO BASIN WATERMASTER
 Cash Disbursements For The Month of
 September 2016

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
				Wage Works FSA Direct Debits - September 2016	1012 · Bank of America Gen'l Ckg	638.75
				Wage Works FSA Direct Debits - September 2016	1012 · Bank of America Gen'l Ckg	81.50
						<u>1,359.00</u>
TOTAL					Total Disbursements:	<u><u>941,316.48</u></u>

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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 10, 2016
TO: Pool Committee Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (September 30, 2016)

SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of September 30, 2016.

Recommendation: Receive and file VISA Check Detail Report for September 30, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2016/17 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: November 10, 2016; Receive and File
Non-Agricultural Pool: November 10, 2016; Receive and File
Agricultural Pool: November 10, 2016; Receive and File
Advisory Committee: November 17, 2016; Receive and File
Watermaster Board: November 17, 2016; Receive and File (Normal Course of Business)

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – Watermaster Board –

BACKGROUND

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

DISCUSSION

The total cash disbursement during the month of September 2016 was \$1,839.84. The payment was processed by check number 19687 dated September 27, 2016. The monthly charges for September 2016 of \$1,839.84 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
VISA Check Detail Report
September 2016

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	09/27/2016	19687	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	XXXX-XXXX-XXXX-9341		Send check via federal express	6042 · Postage - General	26.64
				Send check to BHFS	6042 · Postage - General	33.28
				Reg.-Joswiak-CalPERS Educational Forum 2016	6193.2 · Conference - Registration Fee	338.32
				Miscellaneous office supplies	6031.7 · Other Office Supplies	187.55
				Send check via federal express	6042 · Postage - General	26.64
				Send information to BofA card services	6042 · Postage - General	70.47
				Send get well flowers	6147 · Other Admin Expenses	70.96
				Certification fee-Truong-Technology Specialty	6193 · Employee Training	72.50
				Reg.-Kavounas-Annual San Bernardino County	6193.2 · Conference - Registration Fee	120.83
				PK meeting w/Tom Thomas	6312 · Meeting Expenses	43.03
				Lunch for 8/11/16 Ag Pool meeting prep	8412 · Meeting Expenses	22.56
				Lunch for 8/11/16 Ag Pool meeting prep	8412 · Meeting Expenses	95.40
				Purchase ink cartridges for office	6031.7 · Other Office Supplies	118.38
				Purchase green tea for Board meetings	6031.7 · Other Office Supplies	13.52
				Purchase ink cartridges for office	6031.7 · Other Office Supplies	69.56
				Purchase ink cartridges and printhead for office	6031.7 · Other Office Supplies	130.51
				Purchase ink cartridge for office	6031.7 · Other Office Supplies	61.37
				Replenishment of Fastrack account	6174 · Public Transportation	29.00
				Lunch-8/31/16 Special Ag Pool Confidential Mtg.	8412 · Meeting Expenses	85.06
				Staff team building and development	6193 · Employee Training	224.26
					Total Disbursements:	1,839.84

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 10, 2016
TO: Pool Committee Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2016 through September 30, 2016 - Financial Report B3 (September 30, 2016)

SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2016 through September 30, 2016.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2016 through September 30, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2016/17 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: November 10, 2016; Receive and File
Non-Agricultural Pool: November 10, 2016; Receive and File
Agricultural Pool: November 10, 2016; Receive and File
Advisory Committee: November 17, 2016; Receive and File
Watermaster Board: November 17, 2016; Receive and File (Normal Course of Business)

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – Watermaster Board –

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2016 through September 30, 2016 is provided to keep all members apprised of the FY 2016/17 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 17.0, 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, 2016 THROUGH SEPTEMBER 30, 2016

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 2016-2017
			APPROPRIATIVE POOL	AG POOL	NON-AG POOL	GROUNDWATER REPLENISHMENT	SB222 FUNDS				
Administrative Revenues:											
Administrative Assessments			-		-					-	10,314,656
Interest Revenue			8,937	731	59					9,727	19,890
Mutual Agency Project Revenue	159,631									159,631	158,923
Miscellaneous Income										-	0
Total Revenues	159,631	-	8,937	731	59	-	-	-	-	169,358	10,493,469
Administrative & Project Expenditures:											
Watermaster Administration	431,945									431,945	1,286,992
Watermaster Board-Advisory Committee	61,514									61,514	202,053
Ag Pool Misc. Expense - Ag Fund				546						546	400
Pool Administration			29,974	72,337	17,736					120,046	569,293
Optimum Basin Mgmt Administration		405,476								405,476	1,727,519
OBMP Project Costs		1,028,884								1,028,884	3,811,606
Debt Service		465,200								465,200	465,200
Basin Recharge Improvements		-								-	5,060,744
Mutual Agency Project Costs										-	-
Total Administrative/OBMP Expenses	493,459	1,899,561	29,974	72,337	17,736	-	-	-	-	2,513,612	13,123,806
Net Administrative/OBMP Expenses	(333,828)	(1,899,561)								-	-
Allocate Net Admin Expenses To Pools	333,828		251,206	73,113	9,508					-	-
Allocate Net OBMP Expenses To Pools		1,434,361	1,079,361	314,147	40,853					-	-
Allocate Debt Service to App Pool		465,200	465,200							-	-
Allocate Basin Recharge to App Pool		-	-							-	-
Agricultural Expense Transfer*			459,596	(459,596)						-	-
Total Expenses			2,285,338	546	68,097	-	-	-	-	2,513,612	13,123,806
Net Administrative Income			(2,276,401)	185	(68,039)	-	-	-	-	(2,344,254)	(2,630,337)
Other Income/(Expense)											
Replenishment Water Assessments						80,951				80,951	0
Non-Ag Stored Water Purchases										-	0
Exhibit "G" Non-Ag Pool Water										-	0
Interest Revenue						3,468				3,468	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)						84,418	-	-	-	84,418	0
Net Transfers To/(From) Reserves		(2,259,836)	(2,276,401)	185	(68,039)	84,418	-	-	-	(2,259,836)	(2,630,337)
Net Assets, July 1, 2016			7,339,593	483,176	75,462	2,465,056	158,251	3,308	(740,195)	9,784,651	
Net Assets, End of Period			5,063,192	483,361	7,423	2,549,474	158,251	3,308	(740,195)	7,524,815	7,524,815
15/16 Assessable Production			89,906.000	26,167.031	3,402.908					119,475.939	
15/16 Production Percentages			75.250%	21.902%	2.848%					100.000%	

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

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 10, 2016

TO: Pool Committee Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016 - Financial Report B4 (September 30, 2016)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of September 1, 2016 through September 30, 2016.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2016/17 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: November 10, 2016; Receive and File

Non-Agricultural Pool: November 10, 2016; Receive and File

Agricultural Pool: November 10, 2016; Receive and File

Advisory Committee: November 17, 2016; Receive and File

Watermaster Board: November 17, 2016; Receive and File (Normal Course of Business)

ACTIONS:

November 10, 2016 – Appropriative Pool –

November 10, 2016 – Non-Agricultural Pool –

November 10, 2016 – Agricultural Pool –

November 17, 2016 – Advisory Committee –

November 17, 2016 – Watermaster Board –

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period September 1, 2016 through September 30, 2016 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 17.0, 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, 2016 THROUGH SEPTEMBER 30, 2016**

Financial Report - B4

DEPOSITORIES:

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	236,212		
Zero Balance Account - Payroll	\$	-		236,212
Local Agency Investment Fund - Sacramento				8,913,208
TOTAL CASH IN BANKS AND ON HAND			\$	9,149,920
TOTAL CASH IN BANKS AND ON HAND	9/30/2016			10,087,613
	8/31/2016			10,087,613
PERIOD INCREASE (DECREASE)			\$	(937,693)

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets: Accounts Receivable			\$	(61,020)
Assessments Receivable				-
Prepaid Expenses, Deposits & Other Current Assets				1,263
(Decrease)/Increase in Liabilities: Accounts Payable				(103,638)
Accrued Payroll, Payroll Taxes & Other Current Liabilities				8,875
Long Term Liabilities				2,804
Transfer to/(from) Reserves				(785,977)
PERIOD INCREASE (DECREASE)			\$	(937,693)

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Govt'l Checking Demand	Zero Balance Account Payroll	Local Agency Investment Funds	Totals
Balances as of 8/31/2016	\$ 500	\$ 648,905	\$ -	\$ 9,438,208	\$ 10,087,613
Deposits	-	528,624	-	-	528,624
Transfers	-	(128,022)	(94,006)	(525,000)	(747,028)
Withdrawals/Checks	-	(813,295)	94,006	-	(719,288)
Balances as of 9/30/2016	\$ 500	\$ 236,212	\$ -	\$ 8,913,208	\$ 9,149,920
PERIOD INCREASE OR (DECREASE)	\$ -	\$ (412,693)	\$ -	\$ (525,000)	\$ (937,693)

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
SEPTEMBER 1, 2016 THROUGH SEPTEMBER 30, 2016**

Financial Report - B4

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
9/27/2016	Withdrawal		\$ (525,000)				
TOTAL INVESTMENT TRANSACTIONS			\$ (525,000)	-			

* The earnings rate for L.A.I.F. is a daily variable rate; 0.55% was the effective yield rate at the Quarter ended June 30, 2016.

**INVESTMENT STATUS
September 30, 2016**

<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	\$ 8,913,208			
TOTAL INVESTMENTS	\$ 8,913,208			

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

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

Respectfully submitted,



Joseph S. Joswiak
Chief Financial Officer
Chino Basin Watermaster

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 10, 2016
TO: Pool Committee Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016 -
Financial Report B5 (September 30, 2016)

SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2016 through September 30, 2016.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2016 through September 30, 2016 as presented.

Financial Impact: Funds disbursed were included in the FY 2016/17 "Amended" Watermaster Budget.

Future Consideration

Appropriative Pool: November 10, 2016; Receive and File
Non-Agricultural Pool: November 10, 2016; Receive and File
Agricultural Pool: November 10, 2016; Receive and File
Advisory Committee: November 17, 2016; Receive and File
Watermaster Board: November 17, 2016; Receive and File (Normal Course of Business)

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – Watermaster Board –

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2016 through September 30, 2016 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 17.0, 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 2016

Year-To-Date (YTD) for the three months ending September 30, 2016, all but five categories were at or below the projected budget. The categories over budget were as follows: (1) Watermaster Legal Services expenses (6070's) which were over budget by \$34,758 or 55.7% as a result of ongoing Personnel Matters regarding the CalPERS Administrative Hearing for Mr. Alvarez and increased miscellaneous legal expenses; (2) Watermaster Board expenses (6300's) which were over budget by \$2,198 or 4.4% as a result of the Watermaster Workshop on Committees and Board Roles and Responsibilities held on September 13, 2016; (3) Appropriative Pool Administration expenses (8300's) which were over budget by \$1,526 or 5.4% as a result of the monthly legal service invoicing by the Appropriative Pool attorney; (4) Agricultural Pool Legal & Technical Services expenses (8467's) which were over budget by \$4,112 or 8.0% as a result of monthly legal service invoicing by the Agricultural Pool attorney; and (5) Agricultural Pool Meeting Attendance expenses (8470's) which were over budget by \$125 or 2.3% as a result of additional Special meetings held during September 2016.

The Watermaster budget for FY 2016/17 is divided into 12-monthly amounts and allocated accordingly for almost all budget line items. As the fiscal year progresses, these categories might level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$3,334,529 or 57.0% below the (YTD) Budgeted Expenses of \$5,848,141.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

August 2016:

The Amended Budget for FY 2016/17 is \$13,123,806.45 which includes \$2,630,337.45 for the prior years "Carry Over" funding. The Original Approved budget for FY 2016/17 of \$10,493,469 was approved by the Watermaster Board on May 26, 2016 ($\$10,493,469 + \$2,630,337.45 = \$13,123,806.45$).

July 2016:

During the month of July 2016, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$2,630,337.45 has been posted to the general ledger accounts. The total amount of \$2,630,337.45 consisted of \$2,264,522.96 from Capital Improvement Projects, \$326,577 from Engineering Services, \$29,285.99 from Chino Hills ASR, and \$9,951.50 from the Administrative section for the ongoing completion of the 37th Annual Report for Fiscal Year 2013/14 and the 38th Annual Report for Fiscal Year 2014/15. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

SALARIES EXPENSE

CURRENT MONTH – SEPTEMBER 2016

As of September 30, 2016, the total (YTD) Watermaster salary expenses were \$20,815 or 4.9% below the (YTD) budgeted amount of \$420,671. The overall staffing budget was developed with a staffing level

of ten Full-Time Equivalent (FTE's), and staffing is currently at eight Full-Time Equivalent (FTE's).

The ongoing search for the new Water Resources Professional continued with the understanding that Watermaster is a small organization, and very important to ensure that the new team member not only have the right skills and abilities to succeed, but also critical to ensure the employee has the right personality, cultural fit, and understands the unique challenges of working within a small organization. Watermaster conducted three interviews for the Water Resources Professional during October 11, 2016 and October 20, 2016. The General Manager has issued an offer letter and the offer letter has been accepted by one of the candidates. The offer is contingent upon clearing a criminal and civil background investigation, educational verification, verification of employment eligibility in the United States, as well as successfully passing a pre-employment physical examination and drug screening. These verifications are currently ongoing and expected to be completed by October 31, 2016. The new employee is scheduled to start with Watermaster on Tuesday, November 8, 2016.

With the new hire, the staffing level will increase from eight to nine FTE's. As mentioned above, the Watermaster FY 2016/17 staffing budget was developed and approved with ten FTE's.

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

When the FY 2016/17 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, 2016. Please be advised that the "\$ Over Budget" and the "% of Budget" columns are a comparison of the (YTD) Actual to the (YTD) Budget, not the 12-month Annual Budget. The 12-month Annual Budget column is presented only to provide the data in a full and complete format. The following details are provided:

	<u>Jul '16 - Sep '16</u> <u>Actual</u>	<u>Jul '16 - Sep '16</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2016/17</u> <u>Annual Budget</u>
WM Salary Expense					
6011 · WM Staff Salaries	219,710.37	233,114.00	-13,403.63	94.25%	918,331.00
6011.4 · 457(f) NQDC Plan	6,746.15	5,200.00	1,546.15	129.73%	20,800.00
6015 · Miscellaneous Payments	43,469.66	0.00	43,469.66	100.0%	0.00
6017 · Temporary Services	0.00	5,250.00	-5,250.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	5,082.22	5,871.00	-788.78	86.57%	23,119.00
6301 · Watermaster Board - WM Staff Salaries	6,923.28	9,025.00	-2,101.72	76.71%	35,551.00
8301 · Appropriative Pool - WM Staff Salaries	9,066.36	8,113.00	953.36	111.75%	31,965.00
8401 · Agricultural Pool - WM Staff Salaries	4,238.39	7,139.00	-2,900.61	59.37%	28,126.00
8501 · Non-Agricultural Pool - WM Staff Salaries	3,793.67	4,621.00	-827.33	82.1%	18,202.00
6901 · OBMP - WM Staff Salaries	12,893.90	12,836.00	57.90	100.45%	50,114.00
7101.1 · Production Monitor - WM Staff Salaries	16,130.08	20,351.00	-4,220.92	79.26%	80,622.00
7102.1 · In-line Meter - WM Staff Salaries	764.23	2,384.00	-1,619.77	32.06%	9,389.00
7103.1 · Grdwater Quality - WM Staff Salaries	18,392.88	22,079.00	-3,686.12	83.31%	87,527.00
7104.1 · Grdwater Level - WM Staff Salaries	10,351.64	9,392.00	959.64	110.22%	36,999.00
7108.1 · Hydraulic Control - WM Staff Salaries	0.00	800.00	-800.00	0.0%	3,155.00
7108.11 · Prado Basin - WM Staff Salaries	1,598.76	1,507.00	91.76	106.09%	5,936.00
7201 · Comp Recharge - WM Staff Salaries	15,798.77	14,997.00	801.77	105.35%	58,533.00
7301 · PE3&5 - WM Staff Salaries	0.00	3,933.00	-3,933.00	0.0%	15,492.00
7401 · PE4 - WM Staff Salaries	0.00	2,392.00	-2,392.00	0.0%	9,425.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	1,263.00	-1,263.00	0.0%	4,974.00
7501 · PE6&7 - WM Staff Salaries	0.00	1,142.00	-1,142.00	0.0%	4,498.00
7601 · PE8&9 - WM Staff Salaries	0.00	11,700.00	-11,700.00	0.0%	46,090.00
Subtotal WM Staff Costs	374,960.36	383,109.00	-8,148.64	97.87%	1,509,848.00
60185 · Vacation	13,887.20	17,278.00	-3,390.80	80.38%	69,111.00
60186 · Sick Leave	2,609.25	12,170.00	-9,560.75	21.44%	48,682.00
60187 · Holidays	8,399.07	8,114.00	285.07	103.51%	48,682.00
Subtotal WM Paid Leaves	24,895.52	37,562.00	-12,666.48	66.28%	166,475.00
Total WM Salary Costs	399,855.88	420,671.00	-20,815.12	95.05%	1,676,323.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)

August 2016:

Watermaster is currently in the process of filling one vacant position. Watermaster started the recruitment process for the Water Resources Professional position on March 16, 2016. After several candidates completed the interview process during the month of May, it was determined that a new recruitment process should begin. An updated recruitment advertisement was submitted to Brown & Caldwell and Water District Jobs on June 27, 2016. A group of new candidates were selected and scheduled for interviews between August 22, 2016 and September 1, 2016. Because Watermaster is a small organization, it is very important to ensure that the new team member not only has the right skills and abilities to succeed, it is also critical to ensure the employee has the right personality, cultural fit, and understands the challenges of working within a small organization. While some of the candidates had the experience and qualifications for the job description, the culture and personality fit was not a good match for Watermaster. As a result, the recruitment advertisement was resubmitted to Brown & Caldwell and Water District Jobs on September 19, 2016. Watermaster is reviewing all resumes as they are received for consideration. It is anticipated that the recruitment process could take an additional 45-60 days to complete the selection process, background verification, and hire the Water Resources professional.

July 2016:

Watermaster is currently in the process of filling one vacant position. Watermaster started the recruitment process for the Water Resources Professional position on March 16, 2016. After several candidates completed the interview process during the month of May, it was determined that a new recruitment process should begin. An updated recruitment advertisement was submitted to Brown & Caldwell and Water District Jobs on June 27, 2016. A group of new candidates have been selected and scheduled for interviews between August 22, 2016 and September 1, 2016. It is anticipated that the recruitment process could take an additional 30-45 days to complete the selection process, background verification, and hire the Water Resources professional.

LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – SEPTEMBER 2016

As of September 30, 2016, the total (YTD) Watermaster Legal Services expenses (consolidating the three categories of Watermaster Administrative Legal Services, Pool/Advisory/Board Meeting legal expenses, and OBMP legal expenses) were \$26,867 or 11.1% above the (YTD) budgeted amount of \$242,556.

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 2016/17. The total legal services budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. The "Approved" budget amount was adopted for the amount of \$871,426.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of September 30, 2016, was \$34,758 or 55.7% above the budgeted amount of \$62,425. 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 \$4,731 or 46.2%; Annotated Judgment (6072) under budget by \$7,529 or 100.0%; Interagency Issues (6074) under budget by \$7,650 or 100.0%; and the Party Status Maintenance (6077) under budget by \$7,172 or 100.0%. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the Personnel Matters (6073) over budget by \$36,197 or 172.4% as a direct result of ongoing legal activities related to the administrative hearing with CalPERS regarding the Alvarez issue; and the Miscellaneous Category expenses (6078) over budget by \$25,643 or 290.2%.

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 December 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 10, 2016 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 the State of California, Department of General Services, Office of Administrative Hearings. The administrative hearing was rescheduled for January 4-6, 2016 at the Glendale CalPERS Regional Office. On October 14, 2015 a Notice of Case Reassignment was received from the CalPERS providing notice that OAH Case No. 2014080757 has been reassigned from attorney Wesley Kennedy to Preet Kaur, Staff Attorney. On November 20, 2015, a Request for Continuance was issued from CalPERS to reschedule the hearing to either the period of April 4 through April 6, 2016 or April 11 through April 15, 2016. On December 11, 2015, an Order Granting Continuance; Notice of New Hearing Dates was issued from the State of California, Department of General Services, Office of Administrative Hearings to

reschedule the hearing to April 11-13, 2016. The Administrative Hearing was held on April 11-13, 2016 at the Glendale CalPERS Regional Office. A ruling was scheduled for issuance by the Administrative Judge in July 2016. On June 9, 2016 a request by the CalPERS attorney to extend the deadlines for filing the opening and response briefs was submitted to the Administrative Law Judge. On June 13, 2016 the request was granted and the order now states the opening briefs shall be filed and served no later than July 11, 2016. The response briefs were filed and served no later than August 8, 2016. On September 7, 2016 the Administrative Law Judge issued his proposed decision. The proposed decision by Judge Sawyer is as follows:

1. Concluded that Mr. Alvarez's Watermaster salary did not meet the requirements of a "publicly available pay schedule"
2. Concluded that Mr. Alvarez was employed and should receive service credit for his full year at Watermaster

The proposed decision is not effective unless adopted by the CalPERS Board of Administration and consideration of this decision is currently calendared for the Board's November 16, 2016 meeting. Although there is no opportunity for oral argument at that meeting, each party may submit up to a 6-page brief by November 4, 2016.

WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of September 30, 2016 was \$1,644 or 2.7% below the budgeted amount of \$60,273. 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 below the budget for the month. As of September 30, 2016 the category of OBMP legal expenses were \$6,246 or 5.2% below the budgeted amount of \$119,858. The majority of expenses within this OBMP category were under budget (YTD), however, the Santa Ana River Water Rights legal expenses (6907.34) were over budget by \$618 or 9.8%; the Santa Ana River Habitat legal expenses (6907.36) were over budget by \$620 or 100.0%; the Prado Basin Habitat Sustainability legal expenses (6907.41) were over budget by \$8,030 or 223.9%; and the Safe Yield Redetermination and Reset legal expenses (6907.42) were over budget by \$56,423 or 329.1%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of September 30, 2016 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 '16 - Sep '16 Actual	Jul '16 - Sep '16 Budget	\$ Over Budget	% of Budget	FY 2016/17 Annual Budget
6070 · Watermaster Legal Services					
6071 · BHFS Legal - Court Coordination	5,506.54	10,238.00	-4,731.46	53.79%	40,950.00
6072 · BHFS Legal - Annotated Judgment	0.00	7,529.00	-7,529.00	0.0%	30,113.00
6073 · BHFS Legal - Personnel Matters	57,197.49	21,000.00	36,197.49	272.37%	35,000.00
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	0.00	7,172.00	-7,172.00	0.0%	28,700.00
6078 · BHFS Legal - Miscellaneous (Note 1)	34,478.65	8,836.00	25,642.65	390.21%	35,350.00
Total 6070 · Watermaster Legal Services	97,182.68	62,425.00	34,757.68	155.68%	200,713.00
6275 · BHFS Legal - Advisory Committee	4,160.43	5,100.00	-939.57	81.58%	18,700.00
6375 · BHFS Legal - Board Meeting	15,112.11	21,060.00	-5,947.89	71.76%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	23,108.76	11,163.00	11,945.76	207.01%	11,163.00
8375 · BHFS Legal - Appropriative Pool	5,007.81	7,650.00	-2,642.19	65.46%	28,050.00
8475 · BHFS Legal - Agricultural Pool	6,384.84	7,650.00	-1,265.19	83.46%	28,050.00
8575 · BHFS Legal - Non-Ag Pool	4,854.81	7,650.00	-2,795.19	63.46%	28,050.00
Total BHFS Legal Services	58,628.73	60,273.00	-1,644.27	97.27%	191,233.00
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	6,122.00	-6,122.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	6,122.00	-6,122.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	7,172.00	-7,172.00	0.0%	28,700.00
6907.34 · Santa Ana River Water Rights	6,946.20	6,328.00	618.20	109.77%	25,300.00
6907.36 · Santa Ana River Habitat	620.10	0.00	620.10	100.0%	0.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	3,586.00	-3,586.00	0.0%	14,350.00
6907.39 · Recharge Master Plan	5,951.25	14,100.00	-8,148.75	42.21%	56,400.00
6907.40 · Storage Agreements	879.75	27,045.00	-26,165.25	3.25%	108,180.00
6907.41 · Prado Basin Habitat Sustainability	11,615.61	3,586.00	8,029.61	323.92%	14,350.00
6907.42 · Safe Yield Recalculation	73,570.29	17,147.00	56,423.29	429.06%	68,600.00
6907.44 · SGMA Compliance	14,028.40	21,272.00	-7,243.60	65.95%	85,100.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	7,378.00	-7,378.00	0.0%	29,500.00
Total 6907 · WM Legal Counsel	113,611.60	119,858.00	-6,246.40	94.79%	479,480.00
Total Brownstein, Hyatt, Farber, Schreck Costs	269,423.01	242,556.00	26,867.01	111.08%	871,426.00

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows:
 (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, replenishment obligations, annual report, audit report, business plan, etc.); (3) Brownstein's status review of ongoing Watermaster projects and issues; (4) Brownstein's update of the outstanding issues list; (5) Coordination of ongoing Watermaster projects; (6) Review of draft documents; (7) Review transfer documents; (8) Ground-Level Monitoring Committee reports/meetings; (9) Review process and criteria for SGMA reporting; (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; (13) September 13, 2016 Workshop on Watermaster committees and Board roles; (14) Chino Basin water bank discussions; and (15) Miscellaneous legal research on current and pending issues.

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – SEPTEMBER 2016

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 months ending September 30, 2016, the actual expenses of \$398,693 were below the budgeted amount of \$423,937 by \$25,244 or 6.0%. For a detailed discussion, the following is provided.

For September 30, 2016, the accounts 6901-6903 (Optimum Basin Mgmt Program) section was above the Year-To-Date (YTD) budget by \$4,973 or 18.9%. 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 slightly 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 \$58 or 0.5%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2016/17 Basin Monitoring Program Task Force Contribution which was budgeted at \$13,500 but actual expenses were billed at \$18,415 which was above the budget by \$4,915 or 36.4% as of September 30, 2016.

For September 30, 2016, the accounts 6906 (Optimum Basin Mgmt Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$23,620 or 8.6%. For FY 2016/17, the OBMP-Safe Yield Redetermination and Reset expenses (6906.73) did not have a budget amount authorized and for the month of September, there were no expenses charged to the OBMP-Safe Yield Redetermination and Reset account. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the Water Rights Compliance Reporting Engineering Services expenses (6906.22) which were over budget by \$4,273 or 67.5%; the Compliance-SB88 and SWRCB Engineering Services expenses (6906.24) which were over budget by \$13,019 or 69.4%; the OBMP-Pool, Advisory, Board Meeting Engineering Services expenses (6906.31) which were over budget by \$14,078 or 58.6%; the OBMP-Other General Meetings Engineering Services expenses (6906.32) which were over budget by \$539 or 6.0%; the OBMP-Data Requests-CBWM Staff Engineering Services expenses (6906.71) which were over budget by \$61,633 or 270.4%; and the Preparation of the 38th/39th Annual Reports which were over budget by \$13,473 or 90.3%.

Within the category 6907 (Optimum Basin Mgmt Program Legal Fees) are the remaining Brownstein Hyatt Farber Schreck (BHFS) Watermaster's legal expenses. Within the legal expense category, some individual line item activities were above the budget by \$65,691 while some other line item activities were below the budget by \$71,938. Above the budget line items were the Santa Ana River Water Rights expenses of \$618; the Santa Ana River Habitat expenses of \$620; the Prado Basin Habitat Sustainability expenses of \$8,030; and the Safe Yield Redetermination and Reset expenses of \$56,423. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$6,122; the Chino Airport Plume of \$6,122; the Desalter/Hydraulic Control of \$7,172; the Regional Water Quality Control Board of \$3,586; the Recharge Master Plan of \$8,149; Storage Agreements of \$26,165; the SGMA Compliance of \$7,244; and the WM Unanticipated legal expenses of \$7,378. For the three months ended September 30, 2016, the overall cumulative (YTD) budget was \$119,858 and the actual (BHFS) legal expenses totaled \$113,612 which resulted in an under budget variance of \$6,246 or 5.2%.

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, 2016 this category of expenses was \$351 or 10.4% below the budgeted amount of \$3,375.

The WEI Support for IEUA expenses are categorized within the category (6910's). The individual general ledger accounts are as follows: IRP Groundwater Modeling-WEI expenses (6910.10); As Needed Support for Obtaining Grant Funding of RMPU Projects expenses (6910.11); Preparation of a Compliance Demonstration for Stormwater Recharge expenses (6910.12); Ground Water Velocity Field for the San Sevaine Improvement Project expenses (6910.13); Truing-Up the 2013 RMPU Estimates expenses (6910.14); and RMPU-MPI Analysis expenses (6910.20). These expenses are billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the agreement. As of September 30, 2016 this category of expenses was fully invoiced in the amount of \$107,644.33 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$398,693 compared to a (YTD) budget of \$423,937 for an under budget of \$25,244 or 6.0% as of September 30, 2016.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of September 30, 2016 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 '16 - Sep '16 Actual	Jul '16 - Sep '16 Budget	\$ Over Budget	% of Budget	FY 2016/17 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	12,893.90	12,836.00	57.90	100.45%	50,114.00
6903 · OBMP SAWPA Group	18,415.00	13,500.00	4,915.00	136.41%	13,500.00
Total 6901-6903 · OBMP WM Staff/SAWPA	31,308.90	26,336.00	4,972.90	118.88%	63,614.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	37,064.00	44,115.00	-7,051.00	84.02%	176,460.00
6906.21 · State of the Basin Report	0.00	25,003.00	-25,003.00	0.0%	100,000.00
6906.22 · Water Rights Compliance Reporting	10,599.60	6,327.00	4,272.60	167.53%	25,308.00
6906.23 · SGMA Reporting Requirements	85.55	7,007.00	-6,921.45	1.22%	28,040.00
6906.24 · Compliance - SB88 and SWRCB	31,769.26	18,750.00	13,019.26	169.44%	75,000.00
6906.25 · Initial Assessment - Section 4.5-SYRA	0.00	53,432.00	-53,432.00	0.0%	213,740.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	38,106.07	24,028.00	14,078.07	158.59%	96,114.00
6906.32 · OBMP - Other General Meetings	9,547.58	9,009.00	538.58	105.98%	36,045.00
6906.71 · OBMP - Data Requests - CBWM Staff	84,425.03	22,792.00	61,633.03	370.42%	91,166.00
6906.72 · OBMP - Data Requests - Non CBWM	6,051.75	7,840.00	-1,788.25	77.19%	31,348.00
6906.73 · OBMP - Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	0.00	17,503.00	-17,503.00	0.0%	70,000.00
6906.75 · OBMP - Recharge Master Plan	0.00	0.00	0.00	0.0%	0.00
6906.81 · Prepare 38th/39th Annual Reports	28,395.17	14,922.00	13,473.17	190.29%	59,688.00
6906.82 · Support for Assessment Package	0.00	16,500.00	-16,500.00	0.0%	66,000.00
6906 · OBMP Engineering Services - Other	4,704.20	7,140.00	-2,435.80	65.89%	28,560.00
Total 6906 · OBMP Engineering Services	250,748.21	274,368.00	-23,619.79	91.39%	1,097,459.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	6,122.00	-6,122.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	6,122.00	-6,122.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	0.00	7,172.00	-7,172.00	0.0%	28,700.00
6907.34 · Santa Ana River Water Rights	6,946.20	6,328.00	618.20	109.77%	25,300.00
6907.36 · Santa Ana River Habitat	620.10	0.00	620.10	100.0%	0.00
6907.38 · Reg. Water Quality Cntrl Board	0.00	3,586.00	-3,586.00	0.0%	14,350.00
6907.39 · Recharge Master Plan	5,951.25	14,100.00	-8,148.75	42.21%	56,400.00
6907.40 · Storage Agreements	879.75	27,045.00	-26,165.25	3.25%	108,180.00
6907.41 · Prado Basin Habitat Sustainability	11,615.61	3,586.00	8,029.61	323.92%	14,350.00
6907.42 · Safe Yield Recalculation	73,570.29	17,147.00	56,423.29	429.06%	68,600.00
6907.44 · SGMA Compliance	14,028.40	21,272.00	-7,243.60	65.95%	85,100.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	7,378.00	-7,378.00	0.0%	29,500.00
Total 6907 · WM Legal Counsel	113,611.60	119,858.00	-6,246.40	94.79%	479,480.00
Total 6907 · OBMP Legal Fees	113,611.60	119,858.00	-6,246.40	94.79%	479,480.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	954.09	375.00	579.09	254.42%	1,500.00
6909.3 · Other OBMP Expenses	0.00	497.00	-497.00	0.0%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	2,070.00	2,503.00	-433.00	82.7%	10,000.00
Total 6909 · OBMP Other Expenses	3,024.09	3,375.00	-350.91	89.6%	13,500.00
6910 · WEI Support for IEUA					
6910.10 · IRP Groundwater Modeling - WEI	0.00	0.00	0.00	0.0%	0.00
6910.11 · WEI Support-Grant Funding-RMPU	5,002.23	0.00	5,002.23	100.0%	0.00
6910.12 · WEI Support-Stormwater Recharge	0.00	0.00	0.00	0.0%	0.00
6910.13 · IEUA-San Seivaine Improvement Project	792.00	0.00	792.00	100.0%	0.00
6910.14 · Truing-Up 2013 RMPU Estimates	65,226.30	0.00	65,226.30	100.0%	0.00
6910.20 · RMPU-MPI Analysis	36,623.80	0.00	36,623.80	100.0%	0.00
6910.50 · WEI Support for IEUA-Billings	-107,644.33	0.00	-107,644.33	100.0%	0.00
Total 6910 · WEI Support for IEUA	0.00	0.00	0.00	0.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	398,692.80	423,937.00	-25,244.20	94.05%	1,654,053.00

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

CURRENT MONTH – SEPTEMBER 2016

As of September 30, 2016, the total (YTD) Engineering Services expenses were \$658,572 or 36.9% below the (YTD) budget amount of \$1,044,394. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of September 30, 2016.

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding. The first quarter ECAC report (for the months July 2016-September 2016) is scheduled to be produced by Wildermuth Environmental, Inc. and distributed to Watermaster during the month of November 2016.

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, 2016. 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 '16 - Sep '16	Jul '16 - Sep '16			FY 2016/17
	Actual	Budget	\$ Over Budget	% of Budget	Annual Budget
6906 · OBMP Engineering Services - Other	4,704.20	7,140.00	-2,435.80	65.89%	28,560.00
6906.1 · OBMP - Watermaster Model Update	37,064.00	44,115.00	-7,051.00	84.02%	176,460.00
6906.21 · State of the Basin Report	0.00	25,003.00	-25,003.00	0.0%	100,000.00
6906.22 · Water Rights Compliance Reporting	10,599.60	6,327.00	4,272.60	167.53%	25,308.00
6906.23 · SGMA Reporting Requirements	85.55	7,007.00	-6,921.45	1.22%	28,040.00
6906.24 · Compliance - SB88 and SWRCB	31,769.26	18,750.00	13,019.26	169.44%	75,000.00
6906.25 · Initial Assessment - Section 4.5-SYRA	0.00	53,432.00	-53,432.00	0.0%	213,740.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	38,106.07	24,028.00	14,078.07	158.59%	96,114.00
6906.32 · OBMP - Other General Meetings	9,547.58	9,009.00	538.58	105.98%	36,045.00
6906.71 · OBMP - Data Requests - CBWM Staff	84,425.03	22,792.00	61,633.03	370.42%	91,156.00
6906.72 · OBMP - Data Requests - Non CBWM	6,051.75	7,840.00	-1,788.25	77.19%	31,348.00
6906.74 · OBMP - Mat'l Physical Injury Requests	0.00	17,503.00	-17,503.00	0.0%	70,000.00
6906.81 · Prepare 38th/39th Annual Reports	28,395.17	14,922.00	13,473.17	190.29%	59,688.00
6906.82 · Support for Assessment Package	0.00	16,500.00	-16,500.00	0.0%	66,000.00
7103.3 · Grdwtr Qual-Engineering	45,653.65	41,391.00	4,262.65	110.3%	129,555.00
7103.5 · Grdwtr Qual-Lab Svcs	28,704.66	33,404.00	-4,699.34	85.93%	39,205.00
7104.3 · Grdwtr Level-Engineering	45,222.61	48,167.00	-2,944.39	93.89%	192,667.00
7104.8 · Grdwtr Level-Contracted Services	0.00	2,503.00	-2,503.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	0.00	1,753.00	-1,753.00	0.0%	7,000.00
7107.2 · Grd Level-Engineering	8,910.38	13,138.00	-4,227.62	67.82%	52,540.00
7107.3 · Grd Level-SAR Imagery	0.00	21,250.00	-21,250.00	0.0%	85,000.00
7107.6 · Grd Level-Contract Svcs	0.00	25,047.00	-25,047.00	0.0%	100,197.00
7107.8 · Grd Level-Capital Equipment	0.00	872.00	-872.00	0.0%	3,500.00
7108.3 · Hydraulic Control-Engineering	11,715.71	14,401.00	-2,685.29	81.35%	57,607.00
7108.31 · Hydraulic Control-PBHSP	104,336.07	81,288.00	23,048.07	128.35%	288,936.00
7108.32 · Hydraulic Control-Adaptive Mgmt Plan	0.00	50,000.00	-50,000.00	0.0%	50,000.00
7108.4 · Hydraulic Control-Lab Svcs	2,032.00	6,271.00	-4,239.00	32.4%	25,081.00
7108.41 · Hydraulic Control-PBHSP	11,304.00	12,307.00	-1,003.00	91.85%	49,216.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	16,247.00	-16,247.00	0.0%	65,000.00
7109.3 · Recharge & Well - Engineering	2,171.10	5,831.00	-3,659.90	0.0%	23,318.00
7202.2 · Comp Recharge-Engineering Services	28,385.49	40,254.00	-11,868.51	70.52%	161,016.00
7303 · PE3&5-Engineering - Other	0.00	2,370.00	-2,370.00	0.0%	9,480.00
7402 · PE4-Engineering	46,712.64	27,300.00	19,412.64	171.11%	88,212.00
7402.10 · PE4-MZ1 Pomona Project	63,042.62	283,651.00	-220,608.38	22.23%	362,104.00
7403 · PE4-Contract Svcs	0.00	15,000.00	-15,000.00	0.0%	60,000.00
7502 · PE6&7-Engineering	2,679.20	10,860.00	-8,180.80	24.67%	43,440.00
7602 · PE8&9-Engineering	6,953.44	16,721.00	-9,767.56	41.59%	66,896.00
Total Engineering Services Costs	658,571.78	1,044,394.00	-385,822.22	63.06%	3,067,429.00 *

* Wildermuth and Subcontractor Engineering Budget of \$2,740,852 plus Carryover Funds from FY 2015/16 of \$326,577 = \$3,067,429
Carryover Funds from FY 2015/16 of \$326,577 = \$12,072 (7108.31); \$50,000 (7108.32); \$7,000 (7402); and \$257,505 (7402.10)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2016:

The approved "Original" Engineering Services budget of \$2,740,852 was increased by "Carry Over" funding in the amount of \$326,577 to the "Amended" amount of \$3,067,429 for FY 2016/17 as provided in the Engineering Services Task Order. All of the "Carry Over" funding is for projects or activities that have bridged previous fiscal years and are expected to be completed in the FY 2016/17 timeframe or future years. The Carry-Over amount of \$326,577 from FY 2015/16 to the FY 2016/17 budget are provided in detail as follows:

1. The ongoing Adaptive Management Plan for the Prado Basin Habitat Sustainability Program in connection with the vegetation monitoring database in HydroDaVE (account 7108.31 in the amount of \$12,072). This work was originally scoped for FY 2015/16 but was not performed because the Adaptive Management Plan was not finalized and adopted by Watermaster in FY 2015/16.
2. Preparation of the Final PBHSP Adaptive Management Plan and the 2016 PBHSP Annual Report (account 7108.32 in the amount of \$50,000). The Adaptive Management Plan for the PBHSP was not finalized during FY 2015/16 and as a result, the initial Annual Report was not completed. The

scope for preparing the 2016 Annual Report in FY 2016/17 was based on the assumption that the initial 2015 Annual Report of the PBHSP would have already been completed.

3. The finalization of the 2015 Annual Report of the Ground-Level Monitoring Committee (account 7402 in the amount of \$7,000). The Annual Report has been delayed primarily because the InSAR and ground-level survey data were delivered in March, which delayed the report and completion. The report will be finalized in FY 2016/17.
4. Three separate subtasks for the effort to develop a Subsistence Management Plan for the Northwest MZ-1 Area which is a 5-6 year effort (account 7402.1 in the amount of \$257,505) which will be performed in sequential phases. Some of the early phases of the work have been delayed for various reasons (e.g. delays in initiation of the monitoring program because of difficulties in coordination with well owners). These delays push some of the work that was expected to be completed in FY 2015/16 to FY 2016/17, including subtasks associated with setup and initiation of the monitoring program, siting of extensometers, modeling, and reporting.

The breakdown of the total Task Order amount of \$2,740,852 includes direct labor costs for Wildermuth Environmental, Inc. (82.6%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (17.4%).

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 Watermaster Board. The increase from \$220,000 to \$300,000 was to reflect a change in the consultant preparing the Adaptive Management Plan. On August 25, 2016, the cost sharing agreement between IEUA and Watermaster was increased from \$300,000 to \$385,000 ($\$770,000 \times 50\% = \$385,000$) with the approval of the Watermaster Board. A number of issues associated with the drilling of the monitoring wells (unavailable locations requiring negotiation of new easements, nesting season limitations, etc.), increased the cost of the construction of the 16 wells. The majority of the additional costs were due to extended construction management, additional easement fees, and environmental reporting for the pre- and during construction time period. The associated increase in cost was \$170,000, changing the total amount from \$600,000 to \$770,000.

This is a 50/50 cost sharing agreement between Watermaster and IEUA with a not to exceed amount of \$385,000 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, 2016:

	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 - Jun. 2016	\$ 4,428.00	\$ (2,214.00)	\$ -	\$ 2,214.00	30.00	\$ 3,587.65
Jul. 2016 - Sep. 2016	\$ -	\$ -	\$ -	\$ -	8.00	\$ 1,598.76
Totals	\$ 356,377.56	\$ (178,188.78)	\$ 6,750.01	\$ 184,938.79	180.00	\$ 20,295.99
	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, 2016.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2016:

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 2016/17 annual administrative fee invoice was issued on September 30, 2016 in the amount of \$159,631.04 under invoice number DYY 16-01.

"CARRY OVER" FUNDING

BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2015/16 period as of June 30, 2016 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 2016/17 budget. The Total "Carry Over" funding amount of \$2,630,337.45 was posted to the accounts as of July 1, 2016. The total amount of \$2,630,337.45 consisted of \$2,264,522.96 from Capital Improvement Projects; \$326,577.00 from Engineering Services; \$29,285.99 from the Chino Hills ASR Project; and \$9,951.50 from the Administration budget for completion of the Annual Reports.

CURRENT MONTH – SEPTEMBER 2016

As of September 30, 2016, the total (YTD) amount remaining of the "Carried Over" funding is \$2,538,271.33 (\$2,630,337.45 - \$92,066.12 = \$2,538,271.33). The following details are provided:

"Carried Over" Expenses At June 30, 2016

			GL Account		
Printing - Annual Report	\$ 5,000.00	A	6045	FY 2015/16	ADM
Rauch Communication Consultants - Annual Report	\$ 4,951.50	B	6061.3	FY 2015/16	ADM
Chino Hills ASR Project	\$ 29,285.99	C	7107.62	FY 2013/14	ASR
Hydraulic Control Engineering - PBHSP	\$ 12,072.00	D	7108.31 ¹	FY 2015/16	ENG
Hydraulic Control Monitoring - Adaptive Mgmt Plan	\$ 50,000.00	E	7108.32 ²	FY 2015/16	ENG
PE4 - Engineering Services	\$ 7,000.00	F	7402 ³	FY 2015/16	ENG
PE4 - Northwest MZ-1 Area Project	\$ 257,505.00	G	7402.1 ⁴	FY 2015/16	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	H	7209.1 ⁵	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	I	7209.2 ⁵	FY 2013/14	PROJ
Hickory Basin Recharge Improvement Project	\$ 3,877.00	J	7690.3 ⁵	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$ 467,269.61	K	7690.15	FY 2015/16	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 58,683.31	L	7690.4	FY 2013/14	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 175,000.00	L	7690.4	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 1,126,900.00	L	7690.4	FY 2015/16	PROJ
CB20 Turnout Noise Abatement Project	\$ 859.80	M	7690.5 ⁵	FY 2013/14	PROJ
GWR SCADA Upgrades (TO #4)	\$ 279,343.47	N	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	N	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 32,836.88	O	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	O	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 2,699.03	P	7690.8	FY 2014/15	PROJ
Total Balance, June 30, 2016	\$ 2,630,337.45				

"Carried Over" Balance, July 1, 2016

\$ 2,630,337.45

Less: (Invoices Received To Date FY 2016/17)

Printing - Annual Report	\$ (5,000.00)	A	6045	FY 2015/16	ADM
Rauch Communication Consultants - Annual Report	\$ (4,951.50)	B	6061.3	FY 2015/16	ADM
Hydraulic Control Engineering - PBHSP	\$ (12,072.00)	D	7108.31 ¹	FY 2015/16	ENG
PE4 - Engineering Services	\$ (7,000.00)	F	7402 ³	FY 2015/16	ENG
PE4 - Northwest MZ-1 Area Project	\$ (63,042.62)	G	7402.1 ⁴	FY 2015/16	ENG
Updated Balance as of September 30, 2016	\$ 2,538,271.33				

¹ Preparation of a vegetation monitoring database in HydroDaVE pursuant to the Adaptive Management Plan for the PBHSP

² Preparation of the Final PBHSP Adaptive Management Plan and the 2016 PBHSP Annual Report

³ Finalization of the 2015 Annual Report of the Ground-Level Monitoring Committee

⁴ Carryover budget for three separate subtasks to develop a Subsidence Management Plan for the Northwest MZ-1 Area

⁵ Project completed and funds are available for reallocation to another project, distribution to Appropriative Pool, or maintain as extra funding

ANNUAL REPORTS:

Unspent funds of \$9,951.50 related to the ongoing Annual Reports for development, production, and printing from the Administrative budget from FY 2015/16 from two accounts were "Carried Over" into the current FY 2016/17 budget. These funds were from the Printing-Annual Report [A] in the amount of \$5,000 in account (6045); and Rauch Communication Consultants-Annual Report [B] in the amount of \$4,951.50 in account (6061.3).

CHINO HILLS ASR:

The ongoing Chino Hills ASR Project [C] continues into FY 2016/17 and previous years funding of \$29,285.99 has been carried over into account (7107.62).

ENGINEERING SERVICES:

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2015/16 in several accounts totaling \$326,577 were "Carried Over" into the current FY 2016/17 budget. These funds were from the Hydraulic Control Monitoring-Engineering-PBHSP [D] in the amount of \$12,072 in account (7108.31); Hydraulic Control Monitoring-Adaptive Management Plan [E] in the amount of \$50,000 in account (7108.32); PE4-Engineering Services [F] in the amount of \$7,000 in account (7402); and PE4-Northwest MZ-1 Area Project [G] in the amount of \$257,505 in account (7402.10).

COMPLETED PROJECTS WITH FUNDING AVAILABLE:

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 [H] in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept [I] in the amount of \$35,397.53 (account 7209.2); and Hickory Basin Recharge Improvement Project [J] in the amount of \$3,877.00 (account 7690.3). One project was completed during FY 2015/16 and has funds available. This project is the CB20 Turnout Noise Abatement Project [M] in the amount of \$859.80 (account 7690.5). The total amount available is \$78,115.66 ($\$37,981.33 + \$35,397.53 + \$3,877.00 + \$859.80 = \$78,115.66$).

ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [K] has a remaining budget from FY 2015/16 of \$467,269.61 in account (7690.15); the San Sevaine Recharge Improvement Project-Task Order #8 [L] has a remaining funded budget balance of \$1,360,583.31 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 [N] has a remaining funded budget balance of \$318,018.47 in account (7690.61); the Upper Santa Ana River HCP-Task Order #7 [O] has a remaining funded balance of \$37,836.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [P] has a remaining funded budget balance of \$2,699.03 in account (7690.8). The total funded budget for these combined projects is \$1,609,700.

As invoices are received from the vendors and booked against these items listed above, the "Carried Over" balance will be reduced throughout the current fiscal year. At June 30, 2017, any remaining balances of the FY 2016/17 and prior years funding (if any), along with any new FY 2016/17 expenses, will then be "Carried Over" into the FY 2017/18 budget.

AUDIT FIELD WORK

FY 2015/16:

Auditors from the audit firm of Fedak & Brown, LLP were onsite at the Watermaster offices on March 28, 2016. This was the start of the interim field work for the period of July 1, 2015 through January 31, 2016. The final field work for the period of February 1, 2016 through June 30, 2016 was completed during August 16, 2016 and August 17, 2016. It is anticipated that the Annual Financial and Audit Reports will be presented to the Watermaster Board at the November 17, 2016 Board meeting. The Annual Financial and Audit Reports for FY 2015/16 are projected to be posted to the Watermaster website no later than December 23, 2016.

FY 2016/17:

The start of the interim field work for the period of July 1, 2016 through January 31, 2017 is planned for March 2017. The final field work for the period of February 1, 2017 through June 30, 2017 is planned for August 2017, with the Annual Financial and Audit Reports presented to the Watermaster Board at the November 16, 2017 Board meeting. The Annual Financial and Audit Reports for FY 2016/17 is anticipated to be posted to the Watermaster website no later than December 22, 2017.

ASSESSMENT INVOICING

CURRENT MONTH – SEPTEMBER 2016

The Assessment Year 2016-2017 Package (Production Year 2015-2016) is tentatively scheduled for presentation to the Pools at the November 10, 2016 meetings; and approval by the Advisory Committee and adoption by the Watermaster Board at the November 17, 2016 meetings.

No Assessment activity for the month to report.

ATTACHMENTS

1. Financial Report - B5

CHINO BASIN WATERMASTER
Budget vs. Actual
Current Month, Year-To-Date and Fiscal Year-End

	1/12th (8.33%) of the Total Budget				3/12th (25.00%) of the Total Budget				100% of the Total Budget			
	For The Month of September 2016				Year-To-Date as of September 30, 2016				Fiscal Year End as of June 30, 2017			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
Income												
4010 · Local Agency Subsidies	0.00	0.00	0.00	0.0%	159,631.04	158,923.00	708.04	100.45%	158,923.00	158,923.00	0.00	100.0%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	10,002,660.00	10,002,660.00	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%	311,996.00	311,996.00	0.00	100.0%
4700 · Non Operating Revenues	9,726.69	2,984.00	6,742.69	325.96%	9,726.69	2,984.00	6,742.69	325.96%	33,500.00	19,890.00	13,610.00	168.43%
4900 · Miscellaneous Income	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
Total Income	9,726.69	2,984.00	6,742.69	325.96%	169,357.73	161,907.00	7,450.73	104.6%	10,507,079.00	10,493,469.00	13,610.00	100.13%
Gross Profit	9,726.69	2,984.00	6,742.69	325.96%	169,357.73	161,907.00	7,450.73	104.6%	10,507,079.00	10,493,469.00	13,610.00	100.13%
Expense												
6010 · Admin. Salary/Benefit Costs	82,694.98	83,038.00	-343.02	99.59%	245,823.03	246,476.00	-652.97	99.74%	971,056.00	971,056.00	0.00	100.0%
6020 · Office Building Expense	7,958.78	9,300.00	-1,341.22	85.58%	24,600.57	27,882.00	-3,281.43	88.23%	111,356.00	111,356.00	0.00	100.0%
6030 · Office Supplies & Equip.	1,804.12	2,920.00	-1,115.88	61.79%	5,631.44	7,760.00	-2,128.56	72.57%	30,040.00	30,040.00	0.00	100.0%
6040 · Postage & Printing Costs	3,722.83	3,786.00	-63.17	98.33%	16,427.96	20,563.00	-4,135.04	79.89%	61,852.00	61,852.00	0.00	100.0%
6050 · Information Services	9,070.07	12,841.00	-3,770.93	70.63%	31,938.62	36,273.00	-4,334.38	88.05%	141,092.00	141,092.00	0.00	100.0%
6060 · Contract Services	7,706.24	3,000.00	4,706.24	256.88%	12,434.99	16,951.50	-4,516.51	73.36%	30,951.50	30,951.50	0.00	100.0%
6070 · Watermaster Legal Services	21,957.04	20,811.00	1,146.04	105.51%	97,182.68	62,425.00	34,757.68	155.68%	200,713.00	200,713.00	0.00	100.0%
6080 · Insurance	0.00	0.00	0.00	0.0%	26,253.22	31,962.00	-5,708.78	82.14%	31,962.00	31,962.00	0.00	100.0%
6110 · Dues and Subscriptions	366.00	1,000.00	-634.00	36.6%	8,953.61	9,757.00	-803.39	91.77%	21,054.00	21,054.00	0.00	100.0%
6140 · WM Admin Expenses	307.39	250.00	57.39	122.96%	394.83	550.00	-155.17	71.79%	2,500.00	2,500.00	0.00	100.0%
6150 · Field Supplies	0.00	0.00	0.00	0.0%	99.34	150.00	-50.66	66.23%	1,450.00	1,450.00	0.00	100.0%
6170 · Travel & Transportation	1,155.76	1,955.00	-799.24	59.12%	3,659.68	6,330.00	-2,670.32	57.82%	24,870.00	24,870.00	0.00	100.0%
6190 · Training, Conferences, Seminars	1,300.00	3,050.00	-1,750.00	42.62%	5,163.59	9,150.00	-3,986.41	56.43%	36,600.00	36,600.00	0.00	100.0%
6200 · Advisory Comm - WM Board	1,870.27	3,739.00	-1,868.73	50.02%	9,242.65	11,224.00	-1,981.35	82.35%	42,819.00	42,819.00	0.00	100.0%
6300 · Watermaster Board Expenses	32,300.63	24,133.00	8,167.63	133.84%	52,271.63	50,074.00	2,197.63	104.39%	159,234.00	159,234.00	0.00	100.0%
8300 · Appr PI-WM & Pool Admin	16,781.92	9,485.00	7,296.92	176.93%	29,974.17	28,448.00	1,526.17	105.37%	110,765.00	110,765.00	0.00	100.0%
8400 · Agri Pool-WM & Pool Admin	4,137.86	5,180.00	-1,042.14	79.88%	11,296.50	15,539.00	-4,242.50	72.7%	59,176.00	59,176.00	0.00	100.0%
8467 · Ag Legal & Technical Services	32,042.50	17,083.00	14,959.50	187.57%	55,365.00	51,253.00	4,112.00	108.02%	205,000.00	205,000.00	0.00	100.0%
8470 · Ag Meeting Attend -Special	2,275.00	1,850.00	425.00	122.97%	5,675.00	5,550.00	125.00	102.25%	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	545.98	400.00	145.98	136.5%	545.98	400.00	145.98	136.5%	400.00	400.00	0.00	100.0%
8500 · Non-Ag PI-WM & Pool Admin	6,090.39	9,165.00	-3,074.61	66.45%	17,735.80	27,496.00	-9,760.20	64.5%	107,152.00	107,152.00	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	-14,931.38	-31,542.00	16,610.62	47.34%	-46,618.93	-94,627.00	48,008.07	49.27%	-378,505.00	-378,505.00	0.00	100.0%
6900 · Optimum Basin Mgmt Plan	131,936.15	136,816.00	-4,879.85	96.43%	398,692.80	423,937.00	-25,244.20	94.05%	1,654,053.00	1,654,053.00	0.00	100.0%
6950 · Mutual Agency Projects	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9501 · G&A Expenses Allocated-OBMP	2,735.61	6,122.00	-3,386.39	44.69%	6,783.59	18,368.00	-11,584.41	36.93%	73,466.00	73,466.00	0.00	100.0%
7101 · Production Monitoring	6,996.85	6,847.00	149.85	102.19%	16,317.58	20,538.00	-4,220.42	79.45%	81,372.00	81,372.00	0.00	100.0%
7102 · In-line Meter Installation	0.00	5,617.00	-5,617.00	0.0%	764.23	16,852.00	-16,087.77	4.54%	67,264.00	67,264.00	0.00	100.0%
7103 · Grdwtr Quality Monitoring	25,442.74	29,465.00	-4,022.26	86.35%	94,342.32	98,408.00	-4,065.68	95.87%	262,397.00	262,397.00	0.00	100.0%
7104 · Gdwtr Level Monitoring	12,670.10	21,582.00	-8,911.90	58.71%	55,574.25	64,749.00	-9,174.75	85.83%	258,416.00	258,416.00	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	1,498.50	34,270.00	-32,771.50	4.37%	38,254.58	89,592.99	-51,338.41	42.7%	270,522.99	270,522.99	0.00	100.0%

CHINO BASIN WATERMASTER
Budget vs. Actual
Current Month, Year-To-Date and Fiscal Year-End

	1/12th (8.33%) of the Total Budget				3/12th (25.00%) of the Total Budget				100% of the Total Budget			
	For The Month of September 2016				Year-To-Date as of September 30, 2016				Fiscal Year End as of June 30, 2017			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	80,113.55	40,249.00	39,864.55	199.05%	130,986.54	182,821.00	-51,834.46	71.65%	544,931.00	544,931.00	0.00	100.0%
7109 · Recharge & Well Monitoring Prog	0.00	1,943.00	-1,943.00	0.0%	2,171.10	5,831.00	-3,659.90	37.23%	23,318.00	23,318.00	0.00	100.0%
7200 · PE2- Comp Recharge Pgm	253,510.31	262,948.00	-9,437.69	96.41%	531,250.63	618,480.86	-87,230.23	85.9%	1,277,384.86	1,277,384.86	0.00	100.0%
7300 · PE3&5-Water Supply/Desalte	0.00	2,684.00	-2,684.00	0.0%	0.00	8,056.00	-8,056.00	0.0%	31,972.00	31,972.00	0.00	100.0%
7400 · PE4- Mgmt Plan	46,267.19	21,490.00	24,777.19	215.3%	109,755.26	328,971.00	-219,215.74	33.36%	522,241.00	522,241.00	0.00	100.0%
7500 · PE6&7-CoopEfforts/SaltMgmt	1,274.00	4,422.00	-3,148.00	28.81%	2,679.20	13,265.00	-10,585.80	20.2%	52,912.00	52,912.00	0.00	100.0%
7600 · PE8&9-StorageMgmt/Conj Use	5,374.22	9,504.00	-4,129.78	56.55%	6,953.44	28,510.00	-21,556.56	24.39%	113,336.00	113,336.00	0.00	100.0%
7690 · Recharge Improvement Debt Pymt	0.00	495,200.00	-495,200.00	0.0%	465,200.00	3,265,544.10	-2,800,344.10	14.25%	5,525,944.10	5,525,944.10	0.00	100.0%
7700 · Inactive Well Protection Prgm	0.00	42.00	-42.00	0.0%	0.00	122.00	-122.00	0.0%	500.00	500.00	0.00	100.0%
9502 · G&A Expenses Allocated-Projects	12,195.77	25,420.00	-13,224.23	47.98%	39,835.34	76,259.00	-36,423.66	52.24%	305,039.00	305,039.00	0.00	100.0%
Total Expense	799,171.37	1,302,315.00	-503,143.63	61.37%	2,513,612.22	5,848,141.45	-3,334,529.23	42.98%	13,123,806.45	13,123,806.45	0.00	100.0%
Net Ordinary Income	-789,444.68	-1,299,331.00	509,886.32	60.76%	-2,344,254.49	-5,686,234.45	3,341,979.96	41.23%	-2,616,727.45	-2,630,337.45	13,610.00	99.48%
Other Income												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	80,950.62	0.00	80,950.62	100.0%	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	3,467.53	0.00	3,467.53	100.0%	3,467.53	0.00	3,467.53	100.0%	12,500.00	0.00	-12,500.00	100.0%
4226 · LAIF Fair Market Value	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
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	3,467.53	0.00	3,467.53	100.0%	84,418.15	0.00	84,418.15	100.0%	12,500.00	0.00	12,500.00	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	3,467.53	0.00	3,467.53	100.0%	84,418.15	0.00	84,418.15	100.0%	12,500.00	0.00	12,500.00	100.0%
Net Income	-785,977.15	-1,299,331.00	513,353.85	60.49%	-2,259,836.34	-5,686,234.45	3,426,398.11	39.74%	-2,604,227.45	-2,630,337.45	26,110.00	99.01%

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

CHINO BASIN WATERMASTER

- I. **CONSENT CALENDAR (App & Ag Pool)**
 - C. **ANNUAL FINDING OF SUBSTANTIAL COMPLIANCE WITH THE RECHARGE MASTER PLAN**

- I. **BUSINESS ITEM ROUTINE (Non-Ag Pool)**
 - 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 10, 2016
TO: Pool Committee Members
SUBJECT: Annual Finding of Substantial Compliance with the Recharge Master Plan
(Consent Calendar Item I.C.)

SUMMARY

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

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

Appropriative Pool – November 10, 2016: Recommendation to the Advisory Committee
Non-Agricultural Pool – November 10, 2016: Recommendation to the Advisory Committee
Agricultural Pool – November 10, 2016: Recommendation to the Advisory Committee
Advisory Committee – November 17, 2016: Recommendation to the Watermaster Board
Watermaster Board – November 17 2016: Adopt the Finding of Compliance [Discretionary Function]

ACTIONS:

November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 10, 2016 – Appropriative Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – 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 2016-2017.

DISCUSSION

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

ATTACHMENTS

1. Annual Finding of Substantial Compliance – Fiscal Year 2016/17 (10/31/16 WEI Letter to CBWM)



October 31, 2016

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

Subject: *Annual Finding of Substantial Compliance – Fiscal 2016-17 (2017)*

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, following the completion of the 2010 Recharge Master Plan Update (RMPU), to make an annual finding that there is enough supplemental water recharge capacity to meet 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 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 [...]”

Watermaster and the IEUA recently completed the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2010 Court Order. The table below shows the projected wet-water replenishment obligations developed in the Safe Yield reset process completed in 2015 and reported in Table 7-5 of the 2013 Chino Basin Groundwater Model Update and Recalculation of Safe Yield¹ report, finalized in October 2015.

Comparison of Projected Replenishment Obligations
 (AFY)

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

The estimated supplemental water recharge capacity in the Chino Basin for fiscal year 2017 is listed in the table below along with prior estimates for fiscal years 2015 and 2016, 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	2015 and 2016	2017 ³
Spreading Basins	59,100	74,700
ASR Wells	5,600	5,600
In-Lieu	25,000 to 40,000	25,000 to 40,000
Total	89,700 to 104,700	105,300 to 120,300

Figure 1 shows the locations of spreading basins utilized by Watermaster and the IEUA for recharge in the Chino Basin. Table 1 lists the spreading basins available to Watermaster and their respective supplemental water recharge capacities. The spreading capacity of 74,700 AFY is substantially greater than reported in last

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

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

³ Aggregate spreading basin recharge capacity revised since 2016, based on an update to the recharge rates provided by Andrew Campbell, IEUA Groundwater Recharge Coordinator, on October 27, 2016.

year's Annual Finding of Substantial Compliance. This increase in spreading capacity is attributed to IEUA field observations of recharge performance.

The Metropolitan Water District of Southern California (Metropolitan) provides imported water to the Chino Basin area through the IEUA. In its 2015 Integrated Regional Plan (IRP) Update,⁴ Metropolitan indicated that it will have enough water to meet all the supplemental water requirements within its service area through 2040, provided that it and member agencies implement the programs described in the 2015 IRP Update. The Watermaster parties can also import non-State Water Project water into the Chino Basin area.

The supplemental water recharge capacity available to Watermaster is about seven times the projected replenishment obligation in 2030 and three times the projected replenishment obligation in 2035. Based on our knowledge of the conditions in fiscal year 2017 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 hydrologic balance in the basin required by the Judgment.

Moreover, in November 2011, Watermaster committed to engage in a process to develop a preemptive replenishment program that would involve the acquisition and recharge of supplemental water in advance of incurring replenishment obligations and storing that water until future replenishment obligations occur. Preemptive replenishment is a complementary management tool that further enhances Watermaster's ability to meet its future replenishment requirements. In fiscal years 2011 and 2012, about 32,000 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 13,200 acre-ft in fiscal 2016. And, the Peace II requirement to recharge 6,500 acre-ft/yr of supplemental water 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.

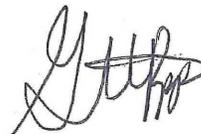
Please contact Garrett Rapp or me if you have any questions or concerns regarding this opinion.

Very truly yours,

Wildermuth Environmental, Inc.



Mark Wildermuth, PE
President



Garrett Rapp, PE
Staff Engineer

Encl: Figure 1, Table 1

⁴ This report is located here: <http://mwdh2o.com/>

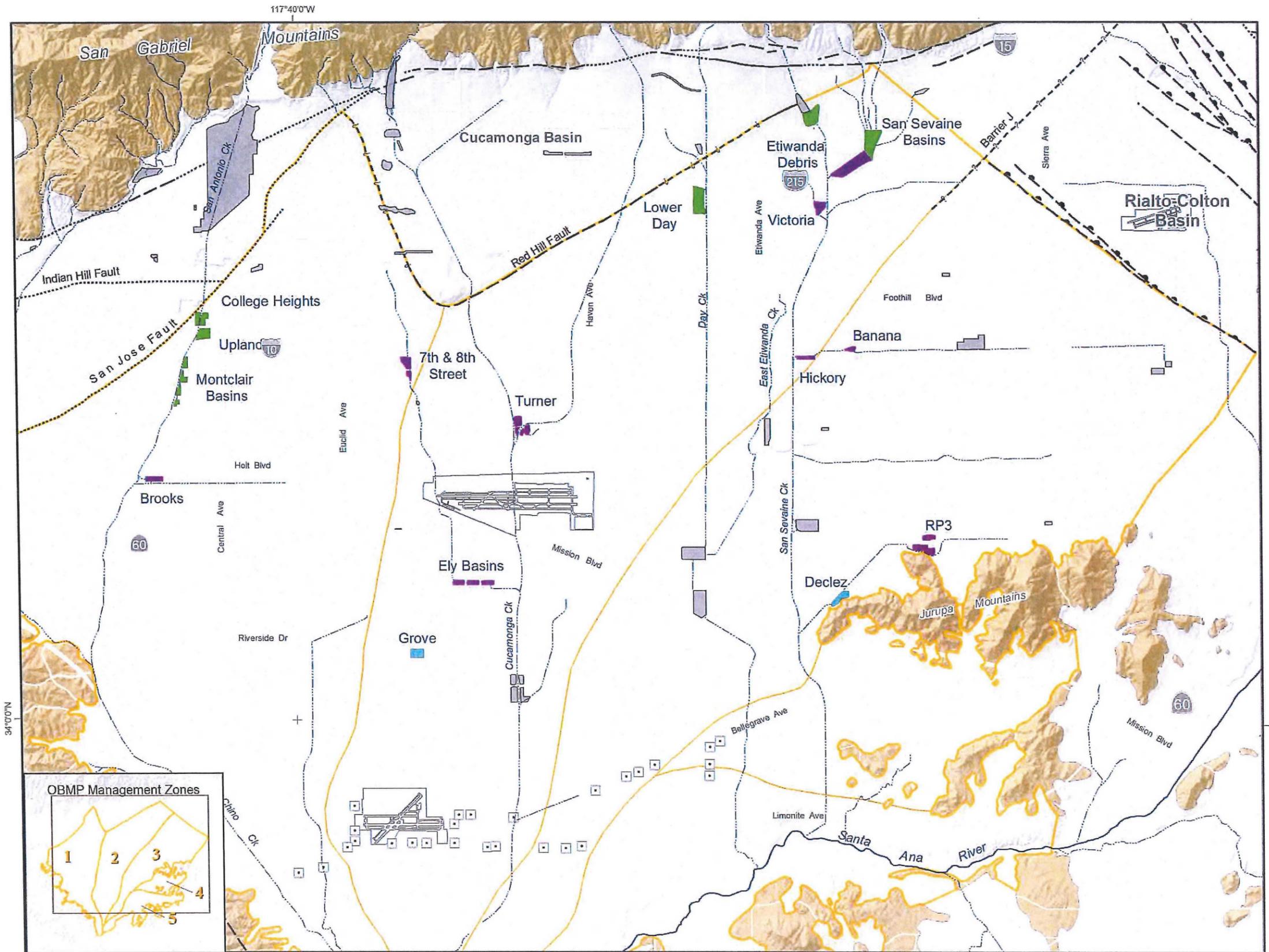
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**Table 1
Supplemental Water Recharge Capacity Estimates at Spreading Basins**

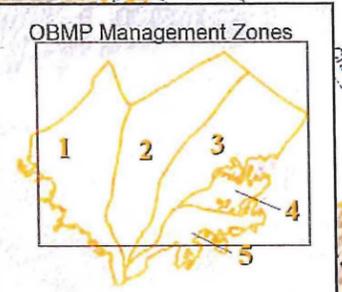
(1) Spreading Basin	Supplemental Water Recharge												(14) Average Recharge Rate ¹ (cfs)	(15) Supplemental Water Recharge Capacity (acre-ft/yr)	(16-19) Imported Water Turn Out Capacity				(20-24) Theoretical Maximum Supplemental Water Recharge Capacity									
	Operational Availability for Supplemental Water Recharge														Turn Out Name	Max Discharge Rate (cfs)	Useful Discharge Rate (cfs)	Turnout Limited?	Annual	Q3	Q4	Q1	Q2					
	Quarter 3			Quarter 4			Quarter 1			Quarter 2														(acre-ft/Qtr)				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec																
Brooks Street Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	2.6	1,286				No	1,286	339	413	146	388					
College Heights Basins	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	16.0	7,916				No	7,916	2,088	2,542	899	2,387					
Montclair Basin 1	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	40.0	19,789	OC59	300	300											
Montclair Basin 2	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%						No	19,789	5,219	6,355	2,247	5,968					
Montclair Basin 3	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%																
Montclair Basin 4	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%																
Seventh and Eighth Street Basins	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	7.0	3,463	CB20	30	30	No	3,463	913	1,112	393	1,044					
Upland Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	10.0	4,947	OC59	80	80	No	4,947	1,305	1,589	562	1,492					
Subtotal Management Zone 1														37,401					37,401	9,864	12,010	4,247	11,280					
Ely Basins	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	3.6	1,781	CB20	30	30	No	1,781	470	572	202	537					
Etiwanda Debris Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	3.9	1,929	CB14	30	30	No	1,929	509	620	219	582					
Hickory Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	3.6	1,781	CB18	30	30	No	1,781	470	572	202	537					
Lower Day Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	5.7	2,820	CB15	30	20	No	2,820	744	906	320	850					
San Sevaine No. 1	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	23.8	11,774														
San Sevaine No. 2	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%						Yes	11,379	3,001	3,654	1,292	3,432					
San Sevaine No. 3	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%																
San Sevaine Nos. 4 and 5	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%																
Turner Basins Nos. 1 and 2	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	4.8	2,375	CB11	40	9	No	2,375	626	763	270	716					
Turner Basins Nos. 3 and 4	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	4.3	2,127														
Victoria Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%					CB14	30	30	No	2,127	561	683	242	642			
Subtotal Management Zone 2														24,588					24,192	6,380	7,769	2,747	7,296					
Banana Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	1.9	940														
Declez Basin	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	4.5	2,226	CB18	30	30	No	2,226	587	715	253	671					
IEUA RP3 Ponds	71%	71%	74%	80%	90%	93%	0%	0%	93%	87%	83%	77%	20.0	9,895														
Subtotal Management Zone 3														13,061					13,061	3,445	4,194	1,483	3,939					
Total														75,050					74,654	19,689	23,973	8,477	22,515					

¹ Based on a information provided by Andrew Campbell of IEUA on November 5, 2014 and October 27, 2016.



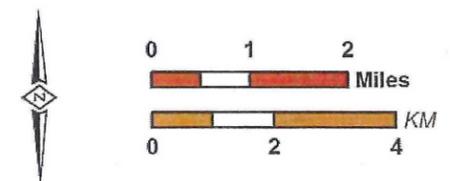


- Spreading Basins in the Chino Basin Recycled Water Groundwater Recharge Program
- Storm, Imported and Recycled Water
 - Storm and Imported Water
 - Stormwater
 - Retention Basins and Spreading Basins not in the Chino Basin Recycled Water Recharge Program. Incidental Stormwater Recharge Only.
 - Chino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



Prepared by:
WEI
 WILDERMITH ENVIRONMENTAL, INC.

Author: LBB
 Date: 20161028
 File: Figure_1_RechargeBasins_2016



Fiscal Year 2016-17 (2017)
 Annual Finding of Substantial Compliance

Locations of Spreading Basins in the Chino Basin

CHINO BASIN WATERMASTER

**I. CONSENT CALENDAR (App & Ag Pool)
D. CHINO BASIN WATERMASTER 38TH ANNUAL REPORT**

**I. BUSINESS ITEM ROUTINE (Non-Ag Pool)
D. CHINO BASIN WATERMASTER 38TH ANNUAL REPORT**



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 10, 2016
TO: Pool Committee Members
SUBJECT: Chino Basin Watermaster 38th Annual Report (Consent Calendar Item I.D.)

SUMMARY

Issue: Watermaster is required annually to file an Annual Report with the Court. The 38th Annual Report (Fiscal Year 2014-15) has been drafted.

Recommendation: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Financial Impact: The costs of preparing the Annual Report and filing it with the Court are included in the Watermaster budget as a cost of compliance with the Restated Judgment.

Future Consideration

Appropriative Pool – November 10, 2016: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Non-Agricultural Pool – November 10, 2016: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Agricultural Pool – November 10, 2016: Recommend that the Advisory Committee recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Advisory Committee – November 17, 2016: Recommend to the Watermaster Board to adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes.

Watermaster Board – November 17, 2016: Adopt the 38th Annual Report, along with filing a copy with the Court, subject to any necessary non-substantive changes. [Discretionary Function]

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – Watermaster Board –

BACKGROUND

Paragraph 48 of the Restated Judgment requires that Watermaster file an Annual Report with the Court each year. The Restated Judgment states that the Report shall apply to the preceding fiscal years' operation, contain details as to operation of the Pools, contain a certified audit of assessments and expenditures pursuant to this Physical Solution, and review Watermaster activity.

DISCUSSION

The 38th Annual Report covering fiscal year 2014-15 has been drafted. The report summarizes Watermaster's activities during the fiscal year, and includes the Assessment Package and the annual audit. Once adopted by the Board, the Annual Report will be filed with the Court.

ATTACHMENTS

1. Final Draft of the CBWM 38th Annual Report

Click on the link below to access:

[http://www.cbwm.org/FTP/FY%20201415%20Annual%20Report%20\(DRAFT\)/DRAFT%20CBWM%2038th%20Annual%20Report%20\(Fiscal%20Year%202014-15\).pdf](http://www.cbwm.org/FTP/FY%20201415%20Annual%20Report%20(DRAFT)/DRAFT%20CBWM%2038th%20Annual%20Report%20(Fiscal%20Year%202014-15).pdf)

CHINO BASIN WATERMASTER

- I. CONSENT CALENDAR (App & Ag Pool)
 - E. WATER TRANSACTION

- I. BUSINESS ITEM ROUTINE (Non-Ag Pool)
 - E. WATER TRANSACTION

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

November 4, 2016

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.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **August 18 , 2016**

Date of this notice: **November 4, 2016**

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

- Notice of Sale or Transfer – The purchase of 112.219 acre-feet of water from the City of Pomona by the City of Ontario. This purchase is made from the City of Pomona's Excess Carryover Account.

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

Appropriative Pool: November 10, 2016

Non-Agricultural Pool: November 10, 2016

Agricultural Pool: November 10, 2016

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 4, 2016

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).

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CHINO BASIN WATERMASTER

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Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

DATE: November 4, 2016
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 112.219 acre-feet of water from the City of Pomona by the City of Ontario. This purchase is made from the City of Pomona's Excess Carryover 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 112.219 acre-feet of water from the City of Pomona by the City of Ontario. This purchase is made from the City of Pomona's Excess Carryover Account.

Notice of the water transaction identified above was mailed on November 4, 2016 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.

**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 20¹⁶~~15~~-20¹⁷~~16~~

DATE REQUESTED: August 18, 2016

AMOUNT REQUESTED: 112.219 Acre-Feet

TRANSFER FROM (SELLER / TRANSFEROR):	TRANSFER TO (BUYER / TRANSFEREE):
<u>City of Pomona</u>	<u>City of Ontario</u>
Name of Party	Name of Party
<u>148 N. Huntington Street</u>	<u>1425 S. Bon View Avenue</u>
Street Address	Street Address
<u>Pomona</u> <u>CA</u> <u>91768</u>	<u>Ontario</u> <u>CA</u> <u>92506</u>
City State Zip Code	City State Zip Code
<u>(909) 620-2253</u>	<u>909 395-2000</u>
Telephone	Telephone
<u>(909) 620-2222</u>	<u>909 395-2601</u>
Facsimile	Facsimile

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

PURPOSE OF TRANSFER:

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

WATER IS TO BE TRANSFERRED FROM:

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
- Other, explain 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:	
<u>Varies</u>	<u>August 18, 2016 to June 30, 2017</u>
Projected Rate of Recapture	Projected Duration of Recapture
METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):	
<u>Recapture by Ontario will be accomplished by pumping 20 wells.</u>	
PLACE OF USE OF WATER TO BE RECAPTURED:	
<u>Management zones 1, 2 & 3.</u>	
LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):	
<u> </u>	

WATER QUALITY AND WATER LEVELS

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

If yes, please explain:

Nitrate's in pumped groundwater varies from less than 5 mg/l to 50 mg/l/l.

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

Static water levels vary from 270 feet bgs to 530 feet bgs.

MATERIAL PHYSICAL INJURY

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

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

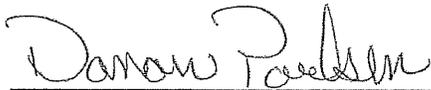
If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

SAID TRANSFER SHALL BE CONDITIONED UPON:

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

ADDITIONAL INFORMATION ATTACHED

Yes No



Seller / Transferor Representative Signature

Darron Poulsen

Seller / Transferor Representative Name (Printed)



Buyer / Transferee Representative Signature

Scott Burton

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. USE OF SB 222 FUNDS IN FISCAL YEAR 2016/17



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 10, 2016
TO: Pool Committee Members
SUBJECT: Use of SB 222 Funds in FY 2016/17 (Business Item II.A.)

SUMMARY

Issue: Chino Basin Watermaster currently has available cash reserves of \$158,251 from the SB 222 Funds that are not being productively used.

Recommendation: Recommend that the Advisory Committee direct the use of the SB 222 Funds of \$158,251 to pay for studies and investigations that aid in implementing the OBMP, and find that the proposed use is consistent with the original intent of the legislation.

Financial Impact: Allocation of the \$158,251 towards the FY 2016/17 Assessment invoicing would reduce the overall bank cash balance by \$158,251 to pay for studies and investigations that aid in implementing the OBMP.

Future Consideration

Appropriative Pool – November 10, 2016: Recommend Advisory Committee direction to staff
Non-Agricultural Pool – November 10, 2016: Recommend Advisory Committee direction to staff
Agricultural Pool – November 10, 2016: Recommend Advisory Committee direction to staff
Advisory Committee – November 17, 2016: Direction to staff
Watermaster Board – November 17, 2016: Direction to staff [Upon Advisory Committee recommendation]

ACTIONS:

Appropriative Pool: November 10, 2016 –
Non-Agricultural Pool: November 10, 2016 –
Agricultural Pool: November 10, 2016 –
Advisory Committee: November 17, 2016 –
Watermaster Board: November 17, 2016 –

BACKGROUND

The stipulated Judgment in the adjudication of the Chino Groundwater Basin resulted from studies and discussions that began in the early 1970's and continued for several years. The initial action to formalize the producers' intentions was the passage in 1974 of a "Memorandum of Agreement on the Chino Basin Plan." In January 1975, Senator Ruben S. Ayala introduced Senate Bill 222 (SB 222) in the California Legislature. This bill authorized a production assessment levy of \$2.00 per acre-foot per year for a period of three years. The assessment levy was issued by Chino Basin Municipal Water District (CBMWD). The funds were utilized in financing the essential studies and negotiations to implement a water management program for the Chino Groundwater Basin. SB 222 was chaptered as a part of the Municipal Water District Law at Section 72140 of the California Water Code. SB 222 was approved by Governor Ronald Reagan and filed with the Secretary of State on June 28, 1975. The \$2.00 assessment ended with fiscal year 1976/77.

The Chino Basin Watermaster was established under a Judgment entered in the Superior Court of the State of California for the County of San Bernardino, entitled "Chino Basin Municipal Water District v. City of Chino et al," (originally Case No. SCV 164327, file transferred August 1989, by order of the Court and assigned new Case No. RCV 51010). The Honorable Judge Howard B. Wiener signed the Judgment on January 27, 1978. The effective date of this Judgment for accounting and operations was July 1, 1977, and Chino Basin Municipal Water District was assigned the role of Watermaster. On February 15, 1978 the SB 222 Fund balance in the amount of \$405,612.

The Chino Basin Watermaster audited financial statements as of June 30, 1978 shows the SB 222 Fund balance at \$405,612. Chino Basin Watermaster purchased replenishment water during the following year and the Watermaster audited financial statements as of June 30, 1979 shows the balance of the SB 222 Fund balance at \$261,620. Over the next eighteen years, Watermaster purchased replenishment water and paid authorized OBMP related expenses from the SB 222 Fund and the Watermaster audited financial statements as of June 30, 1997 shows the balance of the SB 222 Funds at \$157,659.

The nine-member Watermaster Board was established on September 28, 2000 and functions were transferred from Chino Basin Municipal Water District to the nine-member Watermaster Board. From June 30, 2001 to current, the Watermaster audited financial statements shows the SB 222 Fund balance at \$158,251.

DISCUSSION

After a series of internal discussions, Watermaster staff began actively researching appropriate and beneficial uses of the funds for all stakeholders in the Basin. Authorized uses for SB 222 production assessments are found in Water Code section 72141, and include:

- (a) To purchase supplemental water to be used in the aid of studies and investigations authorized under section (b), provided that the total expenditures for such purpose may not exceed \$400,000;
- (b) To pay costs and expenses of studies and investigations, including systems analysis, to develop a management plan for the Chino Basin, including investigations incident to actions and proceedings authorized under subdivision (c);
- (c) To pay costs and expenses of actions and proceedings authorized by the primary district (CBMWD) under Sections 71751 and 71757 and related to the development and implementation of such water management plan for the Chino Basin;

- (d) To pay costs and expenses incurred for the administration of this chapter, including Advisory Committee expenses, and to pay or reimburse costs of the Chino Basin [municipal water] districts incurred for the administration of this chapter.

Based on our review, Watermaster staff believes provisions (c) and (d) above are no longer applicable. Provision (c) refers to sections of the Municipal Water District Act of 1911 that have been repealed, and that allowed districts to bring lawsuits involving or affecting water rights or to commence and maintain water rights adjudications to determine the water rights of the district. As the Chino Basin has been adjudicated, with a Judgment entered in 1978, this provision is now inapplicable. In regard to provision (d), as assessments pursuant to this legislation have ceased (pursuant to Water Code section 72146, the ability to assess under the chapter terminated after 1976-77 production year), provision (d) is also no longer applicable.

Accordingly, the most appropriate and beneficial way to use the SB 222 funds is under (b), to pay for studies and investigations that aid in implementing the OBMP. Pursuant to Water Code section 72144.2, the Advisory Committee, as it was construed at the time of the legislation, was to review all proposed studies, programs, and expenditures of proceeds of production assessments, and must advise and consult with the Board (defined as the Board of CBMWD) in the administration of the chapter. On this basis, Watermaster staff believe it prudent for any proposed expenditure of the funds to go through the Watermaster Pool Committees/Advisory/Board process, with Advisory Committee direction, and, since the Watermaster Board is a successor in interest to the Chino Basin Municipal Water District (now known as Inland Empire Utilities Agency) Board in the role of Watermaster, that Inland Empire Utilities Agency (IEUA) also concur in the expenditure, in order to eliminate any doubt as to compliance with the legislation.

A letter was sent to Mr. Grindstaff, General Manager of IEUA, on June 22, 2016 requesting concurrence with Watermaster's proposed use of SB 222 funds for studies and investigations that aid in implementing the OBMP.

On September 6, 2016 Watermaster received a letter dated August 31, 2016 from Mr. Grindstaff that stated "The Inland Empire Utilities Agency (IEUA) agrees with your review and interpretation of the appropriate use for the remaining funds, and specifically, support that the funds be used to pay for studies and investigations that aid in the implementing the OBMP." (ATTACHMENT 1)

Watermaster staff therefore recommends that the balance of the SB 222 funds in the amount of \$158,251 be allocated to fund studies and investigations that aid in implementing the OBMP. Allocation of the funds for this use is consistent with the original purpose of the assessment pursuant to the Chino Basin Production Assessment Law.

ATTACHMENTS

1. Letter from Inland Empire Utilities Agency (IEUA) dated August 31, 2016
2. Chino Basin Watermaster Assessment Calculation Fiscal Year 2016/17
3. Pool 3 Assessment Fee Summary for Assessment Year 2016-2017
4. Pool 2 Assessment Fee Summary for Assessment Year 2016-2017

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6075 Kimball Avenue • Chino, CA 91708
 P.O. Box 9020 • Chino Hills, CA 91709
 TEL (909) 993-1600 • FAX (909) 993-1985
 www.ieua.org



August 31, 2016

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

RE: Proposed Use of SB222 Funds

Dear Mr. Kavounas,

We have received your letter dated June 22, 2016, regarding Watermaster's proposed use of SB 222 funds. We appreciate the background provided and the opportunity to provide input as to Watermaster's proposed use of the remaining \$158,251. The Inland Empire Utilities Agency (IEUA) agrees with your review and interpretation of the appropriate use for the remaining funds, and specifically, supports that the funds be used "to pay for studies and investigations that aid in implementing the OBMP."

Sincerely,
 Inland Empire Utilities Agency

P. Joseph Grindstaff
 General Manager

Water Smart – Thinking in Terms of Tomorrow

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CHINO BASIN WATERMASTER
ASSESSMENT CALCULATION
FISCAL YEAR 2016/17

INCLUDES "10% ADMINISTRATIVE AND 15% OBMP/PROJECT OPERATING RESERVES"

PRODUCTION BASIS

2014/15 Production & Exchanges in Acre-Feet (Actuals)
2015/16 Production & Exchanges in Acre-Feet (Actuals)

BUDGET

Administration, Advisory Committee & Watermaster Board¹
OBMP & Implementation Projects²
General Admin & OBMP Assessments

TOTAL BUDGET

Less: Budgeted Interest Income
Less: Contributions from Outside Agencies
Subtotal: CASH DEMAND

Less: SB 222 FUND USE ²

Subtotal: CASH DEMAND AFTER SB222 FUND USE

Add: OPERATING RESERVE

Administrative (10%) 10%
OBMP (15%) 15%

Subtotal: OPERATING RESERVE

Less: Cash Balance On Hand Available for Assessments ³

Total: CASH REQUIRED TO BE ASSESSED

Current Year Assessments

General Administration/OBMP Assessments (Minimum \$5.00 Per Producer) A
Grand Total

Prior Year Assessments, (Actuals) Information Only B
Grand Total

Variance Between Proposed Assessments and Prior Year Assessments A - B
Grand Total

Estimated Assessment as of "Approved" Budget May 26, 2016, Information Only
Grand Total

FY 2015/16 BUDGET	FY 2016/17 BUDGET	ASSESSMENT	APPROPRIATIVE POOL		AGRICULTURAL POOL		NON-AG POOL	
		116,961,798	84,107,515	71.910%	28,520,530	24.384%	4,333,753	3.705%
		119,475,939	89,906,000	75.250%	26,167,031	21.902%	3,402,908	2.848%
			General Administration	OBMP	General Administration	OBMP	General Administration	OBMP
\$1,891,019	\$1,938,787	\$1,938,787	\$1,458,943	3,845,202	\$424,624	1,119,141	\$55,220	145,539
5,019,087	5,109,883	5,109,883						
\$6,910,106	\$7,048,670	7,048,670	1,458,943	3,845,202	424,624	1,119,141	55,220	145,539
		7,048,670	1,458,943	3,845,202	424,624	1,119,141	55,220	145,539
(22,050)	(19,891)	(19,891)		(14,968)		(4,356)		(567)
(157,941)	(158,923)	(158,923)		(119,590)		(34,807)		(4,526)
6,730,116	6,869,856	6,869,856	1,458,943	3,710,644	424,624	1,079,978	55,220	140,446
0	(158,251)	(158,251)		(119,085)		(34,659)		(4,507)
6,730,116	6,711,605	6,711,605	1,458,943	3,591,559	424,624	1,045,319	55,220	135,939
189,102	193,878	\$193,878	\$145,894	576,780	\$42,462	167,871	\$5,522	21,831
752,863	766,482	766,482						
941,965	960,361	960,361	145,894	576,780	42,462	167,871	5,522	21,831
(941,965)	(960,361)	(960,361)	(145,894)	(576,780)	(42,462)	(167,871)	(5,522)	(21,831)
\$6,730,116	\$6,711,605	\$6,711,605	\$1,458,943	\$3,591,559	\$424,624	\$1,045,319	\$55,220	\$135,939
			\$16.23	\$39.95	\$16.23	\$39.95	\$16.23	\$39.95
				\$56.18		\$56.18		\$56.18
			\$15.58	\$41.96	\$15.58	\$41.96	\$15.58	\$41.96
				\$57.54		\$57.54		\$57.54
			\$0.65	(\$2.01)	\$0.65	(\$2.01)	\$0.65	(\$2.01)
				(\$1.36)		(\$1.36)		(\$1.36)
			\$15.01	\$40.17	\$15.01	\$40.17	\$15.01	\$40.17
				\$55.18		\$55.18		\$55.18

¹ Total costs are allocated to Pools by actual production percentages. Does not include Recharge Debt Payment, Recharge Improvement Projects or Replenishment Water purchases.

² Support and approval received from IEUA on August 31, 2016 that the remainder of the SB 222 funds be used "to pay for studies and investigations that aid in implementing the OBMP."

³ June 30th fund balance (estimated) less funds required for Operating Reserves, Agricultural Pool Reserves, and Carryover replenishment obligations.

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Assessment Year 2016-2017 (Production Year 2015-2016)

Pool 3 Assessment Fee Summary

	AF Production and Exchanges	Appropriative Pool		Ag Pool SY Reallocation		Replenishment Assessments			85/15 Water Transaction Activity			ASSESSMENTS DUE						
		\$16.23 AF/Admin	\$39.95 AF/OBMP	AF Total Reallocation	\$424,623.99 AF/Admin	\$1,045,318.99 AF/OBMP	AF/15%	\$506.60 AF/85%	\$596.00 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	356.162	5,780.51	14,228.67	0.000	0.00	0.00	0.00	200,107.00	0.00	0.00	(18,817.91)	201,298.27	0.00	0.00	0.00	0.00	0.00	201,298.27
Chino Hills, City Of	1,548.281	25,128.60	61,853.83	2,336.657	17,519.84	43,129.51	16.88	0.00	0.00	0.00	23,766.84	(1.94)	171,413.55	2,567.35	17,914.85	110,508.30	15,222.13	317,626.17
Chino, City Of	0.000	0.00	0.00	10,078.864	75,569.54	186,033.48	0.00	0.00	0.00	0.00	0.00	0.00	261,603.02	4,904.69	34,224.76	211,116.47	0.00	511,848.95
Cucamonga Valley Water District	20,534.740	333,278.83	820,362.86	2,597.581	19,476.20	47,945.58	223.84	0.00	0.00	(54,447.76)	315,217.87	(25.73)	1,482,031.71	4,400.69	30,707.85	189,422.30	25,849.69	1,732,412.23
Desalter Authority	28,162.862	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	3,593.946	26,946.77	66,336.27	0.00	0.00	0.00	0.00	0.00	0.00	93,283.05	7,771.37	54,228.36	334,509.27	0.00	489,792.05
Fontana Water Company	15,317.165	248,597.59	611,920.74	784.546	5,882.39	14,480.98	166.97	0.00	0.00	(1,124,632.09)	235,125.65	(19.19)	(8,476.97)	1.33	9.30	57.39	(143,413.04)	(151,821.98)
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	807.419	13,104.41	32,256.39	231.231	1,733.73	4,268.01	8.80	0.00	0.00	(3,810.00)	12,394.26	(1.01)	59,954.59	500.00	3,489.00	21,522.00	1,719.94	87,185.53
Jurupa Community Services District	8,952.753	145,303.18	357,662.48	14,508.019	108,778.57	267,785.86	97.59	0.00	0.00	0.00	137,428.95	(11.22)	1,017,045.41	2,506.01	17,486.87	107,868.26	39,584.58	1,184,491.13
Marygold Mutual Water Company	752.723	12,216.69	30,071.28	368.428	2,762.41	6,800.36	0.00	0.00	0.00	0.00	0.00	(1,303.76)	50,546.99	796.67	5,559.14	34,291.72	0.00	91,194.52
Monte Vista Irrigation Company	0.000	0.00	0.00	380.452	2,852.56	7,022.30	0.00	0.00	0.00	0.00	0.00	0.00	9,874.86	822.67	5,740.57	35,410.86	0.00	51,848.96
Monte Vista Water District	8,203.721	133,146.39	327,738.65	2,775.741	20,812.02	51,234.02	89.43	0.00	0.00	0.00	125,930.96	(10.28)	658,941.19	5,864.70	40,923.64	252,438.71	16,364.49	974,532.73
Niagara Bottling, LLC	1,774.574	28,801.34	70,894.23	0.000	0.00	0.00	0.00	0.00	700,046.10	0.00	0.00	(42,558.60)	757,183.08	0.00	0.00	0.00	0.00	757,183.08
Nicholson Trust	0.000	0.00	0.00	2.158	16.18	39.83	0.00	0.00	0.00	0.00	0.00	0.00	56.01	4.67	32.56	200.87	0.00	294.11
Norco, City Of	0.000	0.00	0.00	113.457	850.68	2,094.16	0.00	0.00	0.00	0.00	0.00	0.00	2,944.84	245.34	1,711.94	10,560.13	0.00	15,462.24
Ontario, City Of	18,053.831	293,013.68	721,250.55	8,478.076	63,567.12	156,486.48	196.80	0.00	0.00	0.00	277,134.76	(22.62)	1,511,626.76	13,828.07	96,491.78	595,212.43	34,761.38	2,251,920.42
Pomona, City Of	9,963.663	161,710.25	398,048.34	6,306.131	47,282.26	116,397.19	0.00	0.00	0.00	0.00	0.00	0.00	723,438.04	(53,030.93)	95,152.01	586,947.98	0.00	1,352,507.10
San Antonio Water Company	1,030.847	16,730.65	41,182.34	847.230	6,352.38	15,637.99	11.24	0.00	0.00	0.00	15,823.98	(1.29)	95,737.28	1,832.01	12,783.70	78,856.61	2,875.06	192,084.65
San Bernardino, County of (Shootin	9.396	152.50	375.37	0.000	0.00	0.00	0.10	4,760.01	0.00	0.00	144.23	(547.20)	4,885.01	0.00	0.00	0.00	35.78	4,920.79
Santa Ana River Water Company	0.000	0.00	0.00	731.615	5,485.52	13,503.99	0.00	0.00	0.00	0.00	0.00	0.00	18,989.51	1,582.01	11,039.20	68,095.61	90.30	99,796.62
Upland, City Of	2,600.725	42,209.77	103,898.96	1,603.818	12,025.14	29,602.92	28.35	0.00	0.00	0.00	39,922.35	(3.26)	227,684.23	3,468.02	24,199.70	149,276.59	6,909.68	411,538.23
West End Consolidated Water Co	0.000	0.00	0.00	532.756	3,994.51	9,833.49	0.00	0.00	0.00	0.00	0.00	0.00	13,828.00	1,152.01	8,038.66	49,586.69	0.00	72,605.35
West Valley Water District	0.000	0.00	0.00	362.262	2,716.18	6,686.55	0.00	0.00	0.00	0.00	0.00	0.00	9,402.73	783.34	5,466.10	33,717.80	0.00	49,369.97
	118,068.862	1,459,174.37	3,591,744.69	56,632.968	424,623.99	1,045,318.99	840.00	4,760.01	900,153.10	(1,182,889.85)	1,182,889.85	(63,324.02)	7,363,291.14	0.00	465,200.00	2,869,600.00	(0.01)	10,698,091.13

1A 1B 1C 1D 1E 1F 1G 1H 1I 1J 1K 1L 1M 1N 1O 1P 1Q 1R

p1: 1) Pursuant to Paragraph 5.4(b) of the Peace Agreement, the City of Pomona shall be allowed a credit of up to \$2 million against OBMP Assessments for 30 years. This equates to \$66,667 per year. 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.
 3) The 85/15 Rule had not been applied to the Exhibit G water sales in the prior two years. Other Adjustments [1Q] includes that adjustment.

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Assessment Year 2016-2017 (Production Year 2015-2016)

Pool 2 Assessment Fee Summary

	Non-Agricultural Pool			Replenishment Assessments			Other Adjustments	Total Assessments Due
	AF Production	\$16.23 AF/Admin	\$39.95 AF/OBMP	AF Exceeding Annual Right	\$596.00 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	0.000	0.00	(952.61)	0.00	(952.61)
California Speedway Corp. (Auto Club Speedway)	299.502	4,860.92	11,965.10	0.000	0.00	0.00	0.00	16,826.02
California Steel Industries, Inc. (CSI)	1,187.201	19,268.27	47,428.68	0.000	0.00	0.00	0.00	66,696.95
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)	0.058	0.94	2.32	0.057	33.97	(0.07)	0.00	37.16
Hamner Park Associates (Swan Lake MHP)	264.914	4,299.55	10,583.31	0.000	0.00	0.00	0.00	14,882.87
Monte Vista Water District (Non-Ag)	12.581	204.19	502.61	0.000	0.00	0.00	0.00	706.80
NRG California South LP	204.439	3,318.04	8,167.34	0.000	0.00	0.00	0.00	11,485.38
Ontario, City of (Non-Ag)	1,235.830	20,057.52	49,371.41	0.000	0.00	0.00	0.00	69,428.93
Praxair, Inc.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
Riboli Family / San Antonio Winery	3.952	64.14	157.88	3.952	2,355.39	(477.58)	0.00	2,099.84
San Bernardino, County of (Chino Airport)	43.133	700.05	1,723.16	0.000	0.00	0.00	0.00	2,423.21
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)	27.553	447.19	1,100.74	10.643	6,343.23	(1,031.55)	0.00	6,859.60
Space Center Mira Loma, Inc.	93.708	1,520.88	3,743.63	0.000	0.00	0.00	0.00	5,264.51
TAMCO	30.037	487.50	1,199.98	16.537	9,856.05	(328.61)	0.00	11,214.92
West Venture Development Co.	0.000	0.00	0.00	0.000	0.00	0.00	0.00	0.00
	3,402.908	55,229.19	135,946.17	31.189	18,588.64	(2,790.42)	0.00	206,973.58
	13A	13B	13C	13D	13E	13F	13G	13H

p13: There is no IEUA Surcharge; an RTS charge will be applied for Assessment Years 16/17 and 17/18 over a period of ten years beginning with Assessment Year 18/19.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

B. CBWM FISCAL YEAR 2016/17 ASSESSMENT PACKAGE



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 10, 2016
TO: Pool Committee Members
SUBJECT: Fiscal Year 2016/17 Assessment Package (Business Item II.B.)

SUMMARY

Issue: Chino Basin Watermaster Fiscal Year 2016/17 Assessment Package, based on Production Year 2015/16.

Recommendation: Recommend to the Advisory Committee to approve the Fiscal Year 2016/17 Assessment Package as presented, including no credit for Stormwater New Yield and postponing the assessment of Desalter Replenishment Obligation.

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

Future Consideration

Appropriative Pool – November 10, 2016: Recommend Advisory Committee approval
Non-Agricultural Pool – November 10, 2016: Recommend Advisory Committee approval
Agricultural Pool – November 10, 2016: Recommend Advisory Committee approval
Advisory Committee – November 17, 2016: Approval
Watermaster Board – November 17, 2016: Approval [Advisory Committee Approval Required]

ACTIONS:

November 10, 2016 – Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016 – Watermaster Board –

BACKGROUND

Watermaster issues an Assessment Package annually based on production during the previous production year (July 1 through June 30). Production information is generally collected quarterly, and other necessary information is collected annually. Assessments create funds that are used during the current fiscal year for budgeted expenses. Assessments are based on the approved budget allocated across the total assessable production in the Basin.

DISCUSSION

The Parties of the Non-Agricultural Pool and the Appropriative Pool were each sent a copy of their Water Activity Report in August that summarized their water activity for the previous year, including production, Dry Year Yield (DYY), land use conversions, transfers, voluntary agreements, and assignments. Each Party was asked to verify the data gathered and summarized by Watermaster. The Water Activity Reports were received back, and any necessary corrections were made.

The Assessments generate funds to cover the current year, FY 2016/17, approved budget, in addition to reserves according to existing reserve policies. Monies not expended during a fiscal year are refunded to the parties. The Assessment Package does not factor in unspent monies, those are returned to parties as a credit on the assessment invoicing. The FY 2015/16 actual expenditures were below budget by approximately \$190,522.

In light of the pending Court consideration of the 2015 Safe Yield Reset Agreement (2015 SYRA), which has the possibility of changing the Assessment Package calculations, this Assessment Package will continue to be based on current rules. The Assessment Package will be revisited, if necessary, after the Court's consideration of the 2015 SYRA.

Watermaster held an Assessment Package Workshop on November 2, 2016. The purpose of the Assessment Package Workshop was to review the prior year production, transfers, DYY, etc., and to review the current year cash requirements pursuant to the adopted budget and the resulting impact on assessments. Discussion at the workshop covered the detail of how assessments have been calculated.

The Draft Assessment Package is attached. It is based on the FY 2016-17 Budget, as it was approved in May 2016. The Assessment Package identifies total assessable production for all Pools as 119,476 acre-feet, resulting in assessments of \$16.23/acre-foot for Admin and \$39.95/acre-foot for OBMP, excluding recharge debt service, recharge improvement project expenses, "Pomona Credit" assessments, and assessments for replenishment and CURO water. Use of SB 222 funds toward projects implementing the OBMP has also been factored in. The Assessment Package has been prepared with the assumption that the Advisory Committee and the Board will direct the use of SB 222 funds as recommended by Watermaster staff; this is presented as an earlier, separate item on this agenda. For production year 2015/16, using the Restated Judgment's Safe Yield, there is a replenishment obligation of 1,551 acre-feet. The new replenishment rate is \$596, which is MWD's 2016 Tier 1 Untreated rate (\$594 per acre foot) plus OCWD's \$2 connection fee. There is no IEUA surcharge for projected spreading but an RTS charge will be applied for Assessment Years 2016/17 and 2017/18 over a period of ten years beginning with Assessment Year 2018/19. The additional assessments approved as part of the budget, allocated amongst the Appropriators based on their percentage of Operating Safe Yield, are: Pomona Credit assessment of \$66,667.00, recharge debt payment assessment of \$465,200, and recharge improvement project assessment of \$2,869,600.00.

Stormwater New Yield is to be allocated to the Appropriators based on their percentages of OSY. Watermaster has completed the process for correction of prior over-allocation that was documented through Condition Subsequent 7. Due to the ongoing Safe Yield Redetermination process and related questions as to the proper method for allocating Stormwater New Yield, staff recommends that 0.000 acre-feet be allocated during production year 2015/16. When the Safe Yield Redetermination and

Stormwater New Yield allocation matters are resolved, the 2015/16 allocation will be recalculated, if necessary, and credited, if necessary.

The projection in Desalter Induced Recharge (DIR), formerly known as Santa Ana River Underflow New Yield (SARUNY), in Appendix B is shown as zero for each year. In the near future, through the modeling work and Safe Yield Redetermination process, Watermaster will determine the DIR created by Desalters and Re-Operation, and will produce a new schedule. In addition to the production years 2013/14 and 2014/15 desalter replenishment obligations of 27,940 and 29,541 respectively which have not been assessed, the production year 2015/16 desalter replenishment obligation could be as high as 27,009 acre-feet. Due to the ongoing Safe Yield Redetermination process and related DIR matter, staff recommends that the desalter replenishment obligation not be assessed at this time. After the 2015 SYRA is considered by the Court, the desalter replenishment obligation will be recalculated and assessed, if necessary. If the Court orders Watermaster to proceed according the terms of the 2015 SYRA, the desalter replenishment obligation will be set at 2,000 acre-feet for each production year from 2013/14 through 2015/16; thus as a minimum for the prior three production years the desalter replenishment obligation will be 6,000 acre-feet. In production year 2015/16, parties were given an option to remit funds toward their share of desalter replenishment obligation. Several parties have committed to purchase; one party remitted funds before the end of 2015/16 production year and the purchase is reflected in the Assessment Package. Staff recommends that the assessment invoices which will be issued later this month for the Fiscal Year 2016/17 (Production Year 2015/16) continue to include an option for each party to pay for a portion or all of its share of the 6,000 acre-feet obligation. This would be applied toward desalter replenishment obligation regardless of the outcome of the Court's consideration of the 2015 SYRA.

Hydraulic Control was achieved on February 1, 2016, changing the loss rate from 2% to 0.07%. For this year, the rate has been calculated at an average rate of 1.20%, based on seven months at 2% and five months at 0.07%.

Assessments reflect an adjustment for prior two years where the 85/15 Rule was not properly applied to Exhibit G water sales. The affected parties where the 15% should have been credited to include Cucamonga Valley Water District and Fontana Water Company in production year 2013/14, and Fontana Water Company in production year 2014/15.

ATTACHMENTS

1. Fiscal Year 2016-2017 Assessment Package (DRAFT)

Click on the link below to access:

[http://www.cbwm.org/FTP/FY%20201617%20Assessment%20Package%20\(DRAFT\)/20161110%20CBWM%20FY%202016-2017%20Assessment%20Package%20\(DRAFT\).pdf](http://www.cbwm.org/FTP/FY%20201617%20Assessment%20Package%20(DRAFT)/20161110%20CBWM%20FY%202016-2017%20Assessment%20Package%20(DRAFT).pdf)

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

C. RESOLUTION TO LEVY REPLENISHMENT AND ADMINISTRATIVE ASSESSMENTS FOR FISCAL YEAR 2016/17



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 10, 2016
TO: Pool Committee Members
SUBJECT: Resolution to Levy Replenishment and Administrative Assessments for Fiscal Year 2016/17 (Based on Production Year 2015/16) – (Business Item II.C.)

SUMMARY

Issue: A resolution is required for the Chino Basin Watermaster to levy administrative, special project, and replenishment assessments for Fiscal Year 2016/2017.

Recommendation: Review Resolution 2016-09 as presented, and offer advice to Watermaster.

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

Future Consideration

Appropriative Pool – November 10, 2016: Advice

Non-Agricultural Pool – November 10, 2016: Advice

Agricultural Pool – November 10, 2016: Advice

Advisory Committee – November 17, 2016: Advice

Watermaster Board – November 17, 2016: Approval [Function related to administration of the Pool Committees]

ACTIONS:

November 10, 2016– Appropriative Pool –
November 10, 2016 – Non-Agricultural Pool –
November 10, 2016 – Agricultural Pool –
November 17, 2016 – Advisory Committee –
November 17, 2016– Watermaster Board –

BACKGROUND

Watermaster 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 endowed 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 Restated Judgment. Pursuant to the Restated 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

The draft Fiscal Year 2016/17 Assessment Package is being considered for approval this month. It is based on the budget that was approved in May 2016. The Assessment Package identifies total assessable production for all Pools as 119,475.939 acre-feet, resulting in assessments of \$16.23/acre-foot for General Administration and \$39.95/acre-foot for OBMP, excluding recharge debt service, recharge improvement project expenses, "Pomona Credit" assessments, and assessments for replenishment water.

This year, and as incorporated into the draft Fiscal Year 2016/17 Assessment Package, staff recommends that the remaining SB 222 Funds of \$158,251 be used to offset assessments toward OBMP implementation expenses. The fund dates back to 1975 (pre-Judgment) and was carried by the Chino Basin Municipal Water District (CBMWD) – the original Watermaster, now the Inland Empire Utilities Agency (IEUA), and was subsequently transferred over to the Chino Basin Watermaster. Additional information on SB 222 can be found in this meeting package under Business Item II.A. Pursuant to SB 222, the funds may be used "to pay for studies and investigations that aid in the implementing the OBMP". The item was presented for information at the October 2016 Committee and Board meetings, at the November 2, 2016 Assessment Package Workshop, and will be presented to Pool Committees, Advisory Committee, and Board process for direction at the November 2016 Committee and Board meetings. If approved, the above per acre-foot cost for assessable production for OBMP will remain as shown above. If not approved, the assessable per acre-foot cost would be increased by \$1.32/acre-foot for OBMP, which would be \$41.27/acre-foot.

For production year 2015/2016, there is a replenishment obligation of 1,550.909 acre-feet, in addition to the Cumulative Unmet Replenishment Obligation (CURO) of 3,988.661 acre-feet. Watermaster has since placed an order with IEUA for the CURO and deliveries were completed in October 2016. The new replenishment rate is \$596, which is MWD's 2016 Tier 1 Untreated rate (\$594 per acre foot) plus OCWD's \$2 connection fee. There will be no longer be a "Projected Spreading – IEUA Surcharge", instead, a Readiness To Serve (RTS) charge will be applied for Assessment Years 2016/17 and 2017/18 over a period of ten years beginning with Assessment Year 2018/19. Recovery of the following is also included in the assessment, allocated amongst the Appropriators based on their percentage of Operating Safe Yield: Pomona Credit assessment of \$66,667.00, recharge debt payment assessment of \$465,200, and recharge improvement project assessment of \$2,869,600.

If Resolution 2016-09 is approved through the Watermaster process in November 2016, the invoices will be mailed in late November and assessments will be due 30 days later.

ATTACHMENTS

1. Resolution 2016-09: A resolution of the Chino Basin Watermaster levying administrative, replenishment, and special project assessments for Fiscal Year 2016/2017.

RESOLUTION 2016-09

**A RESOLUTION OF THE CHINO BASIN WATERMASTER
LEVYING ADMINISTRATIVE, REPLENISHMENT, AND SPECIAL PROJECT ASSESSMENTS
FOR FISCAL YEAR 2016-2017**

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 2016-2017 Budget on May 26, 2016, to carry out the necessary Watermaster functions under the Judgment; and

WHEREAS, the parties named in this Judgment have pumped 1,550.909 acre-feet of water in excess of the operating safe yield, which is required to be replaced at the expense of the parties in accordance with the assessment formulas for the respective pools.

WHEREAS, the Advisory Committee has directed staff to use the remaining SB 222 funds of \$158,251 during Fiscal Year 2016-17 for studies and investigations that will aid in implementing the OBMP.

NOW, THEREFORE, BE IT RESOLVED that the Chino Basin Watermaster levies the respective assessments for each pool effective November 17, 2016 as shown on Exhibit "A" attached hereto.

BE IT FURTHER RESOLVED, that pursuant to the Judgment, each party has thirty (30) 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.

ATTACHMENT 1

THE FOREGOING RESOLUTION was
ADOPTED by the Watermaster Board on the 17th day of November 2016.

By: _____
Chair – Watermaster Board

ATTEST:

Secretary/Treasurer – Watermaster Board

Exhibit "A"
Resolution 2016-09

Summary of Assessments
Fiscal Year 2016-2017
Production Year 2015-2016

1. OVERLYING (NON-AGRICULTURAL) POOL

a.	2016-2017 Budget	\$ <u>16.23</u> Per AF - Admin.
		\$ <u>39.95</u> Per AF - OBMP
b.	Replenishment	\$ <u>596.00</u> Per AF
b.	CURO	\$ <u>(2,790.42)</u> Total

2. APPROPRIATIVE POOL

a.	Administration	
	1. 2016-2017 Amended Budget	\$ <u>16.23</u> Per AF - Admin.
		\$ <u>39.95</u> Per AF - OBMP
	2. Ag Pool Reallocated	
		\$ <u>7.50</u> Per AF - Admin.
		\$ <u>18.46</u> Per AF - OBMP
b.	100% Net Replenishment	\$ <u>596.00</u> Per AF
c.	15/85 Water Activity	
	15% Replenishment Assessments	\$ <u>840.00</u> Total
	15% Water Transaction Activity	\$ <u>1,182,889.85</u> Total
d.	CURO	\$ <u>(63,324.02)</u> Total
e.	Pomona Credit (2015-16 Assessment)	\$ <u>66,667.00</u> Total
f.	Recharge Debt Payment	\$ <u>465,200.00</u> Total
g.	Recharge Improvement Project	\$ <u>2,869,600.00</u> Total

ATTACHMENT 1

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN BERNARDINO)

I, Bob Kuhn, Secretary/Treasurer of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 2016-09, 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: _____

CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

D. 2013 RECHARGE MASTER PLAN UPDATE AMENDMENT PROPOSED YIELD ENHANCEMENT PROJECTS



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 10, 2016
TO: Pool Committee Members
SUBJECT: 2013 Recharge Master Plan Update Amendment Proposed Yield Enhancement Projects (Business Item II.D.)

SUMMARY

Issue: The 2013 Recharge Master Plan Proposed Yield Enhancement Projects require approval to move beyond the Preliminary Design Phase and into Final Design, bidding and construction.

Recommendations:

Consider adopting the "Opt out" provisions from Section 5.1[c] of the Safe Yield Reset Agreement and make appropriate recommendation to the Advisory Committee.

Consider adopting the "Post-2014 Stormwater Recharge Program" as presented, and make appropriate recommendation to the Advisory Committee.

Financial Impact: If the "Post-2014 Stormwater Recharge Program" is approved, the estimated capital cost will be \$24.6 Million.

Future Consideration

Appropriative Pool – November 10, 2016: Consider adopting Section 5.1[c] of the 2015 SYRA; and, consider adopting the "Post-2014 Stormwater Recharge Program". Make appropriate recommendation to the Advisory Committee.

Non-Agricultural Pool – November 10, 2016: Consider adopting Section 5.1[c] of the 2015 SYRA; and, consider adopting the "Post-2014 Stormwater Recharge Program". Make appropriate recommendation to the Advisory Committee.

Agricultural Pool – November 10, 2016: Consider adopting Section 5.1[c] of the 2015 SYRA; and, consider adopting the "Post-2014 Stormwater Recharge Program". Make appropriate recommendation to the Advisory Committee.

Advisory Committee – November 17, 2016: Consider Pools' recommendations

Watermaster Board – November 17, 2016: Adoption [Upon Advisory Committee approval]

ACTIONS:

Appropriative Pool: November 10, 2016 –

Non-Agricultural Pool: November 10, 2016 –

Agricultural Pool: November 10, 2016 –

Advisory Committee: November 17, 2016 –

Watermaster Board: November 17, 2016 –

BACKGROUND

The 2010 Recharge Master Plan Update (RMPU) was prepared as required by the Peace II Agreement. The 2010 RMPU was then amended in 2013 (RMPUA) to include an Implementation Plan to better address groundwater balance issues within the Chino Basin and to develop a Funding Plan.

In the 2013 RMPUA, 43 projects were identified as possible yield enhancement projects. Of the 43 projects, 11 projects were selected for further analysis by a Steering Committee made up of Watermaster stakeholders. Section 7 of the RMPUA listed selection criteria for the projects based on the input of the Steering Committee. One of the criteria for selection was cost effectiveness (\$/acre-foot per year). To determine the cost effectiveness threshold of the projects, the Steering Committee used Metropolitan Water District's Tier 1 rate as a standard for unit cost, though not necessarily a pass/fail mechanism. From that, the Steering Committee indicated a preference for a melded unit cost of less than \$612 per acre-foot per year based on the selected projects. The projects estimated increasing stormwater capture by 6,780 acre-feet per year and increase recycled water recharge capacity by 4,900 acre-feet per year. Any project that would seek benefits of recycled water would be cost shared 50/50 with the Inland Empire Utilities Agency.

In accordance with the 2013 RMPUA, the selected projects were to be developed to the Pre-Design level before being brought back to the Watermaster stakeholders for further development.

In October 2014, the Lower Day and San Sevaine projects received grant funding which required the projects to be on an accelerated completion schedule in order to meet the funding requirements. Though ahead of schedule and with San Sevaine already past the Preliminary Design Report (PDR) phase, the costs associated with the projects are still considered in the melded rate.

In March 2015, two projects, the Lower San Sevaine and Sierra projects were removed from the list of projects due to complications. For Lower San Sevaine, the land for the potential project site was sold at auction to a housing developer. For the Sierra Basin, the City of Fontana had plans to repurpose the basin for other uses.

In June 2015, Stantec was awarded the contract to develop the PDR on the nine remaining RMPUA projects. The PDR was presented at the Pool Committee meetings in October 2016 as an information item only (see Attachment 1).

DISCUSSION

At the October 2016 RIPCom meeting, the Committee discussed the PDR for the nine RMPUA projects and provided a recommendation for the November 2016 Pool meetings.

The Lower Day project PDR was reviewed and although it is on an accelerated track, the decision to move forward with the project will be included with the other RMPUA projects. For projects 27, 14, and 15a, RIPCom members did not recommend advancing the projects at this time due to high capital costs.

Project 18a, CSI Storm Basin, is not recommended at this time due to terms and conditions that must be agreed upon between Watermaster and California Steel Industries (CSI). The AP Chair will provide a response to initial terms provided by CSI. The project may be brought back for approval to move forward when terms are agreed upon.

The projects recommended by the Committee to move forward are referred to as the "Post-2014 Stormwater Recharge Program", and are as follows:

Project ID	Post-2014 Stormwater Recharge Program
23a	Wineville/Jurupa/RP-3 Basins with SW Force Main Improvements
11	Victoria Basin
12	Lower Day Basin*
2	Montclair Basins
7	San Sevaine*
	1. Upon receipt of bid results IEUA/CBWM are to confirm with the AP on project advancement prior to awarding the construction contracts. 2. On Project 23a, the bid for the pump station and force main will be an optional bid item.

* Accelerated schedule of completion due to grant funding

Section 5 (Attachment 2) of the 2015 Safe Yield Reset Agreement (2015 SYRA) included an “Opt out” provision, Section 5.1[c], for future Post-2014 Stormwater Recharge Programs. This provision created the conditions for a Party to not participate in a suite of projects should the majority of the Pool vote in favor of proceeding with the projects and associated capital expense. Since the 2015 SYRA is not in effect at this time, the option to not participate in projects does not exist. However, many of the parties have expressed interest in adopting Section 5.1[c] at this time, and proceed with a timely decision on the projects instead of delaying until a time when the 2015 SYRA is considered by the Court. Consequently, the first item for the Pool’s consideration is adoption of Section 5.1[c] of the Safe Yield Reset Agreement.

If the 2014-Post Stormwater Recharge Program is approved, the estimated stormwater yield will be 4,981 acre-feet with a melded unit cost of \$380 per acre-foot. The Watermaster share of the capital cost for the projects will be \$24.6 Million of which \$3.1 Million are soft costs. This total does not reflect Grant money already obtained. IEUA has applied on behalf of Watermaster and the parties for grants of \$12.6 million and has the ability to obtain construction and planning loans.

A detailed summary of stormwater yield, unit cost, capital costs to Watermaster, and annual costs can be found in a separate attachment to this letter (see Attachment 3).

ATTACHMENTS

1. 2013 Recharge Master Plan Update Preliminary Design Report - Presentation
 Click on the link below to access:
[http://www.cbwm.org/ftp/Recharge%20Investigations%20and%20Projects%20Committee%20\(RIPCom\)/2016%20Meetings/20161020/](http://www.cbwm.org/ftp/Recharge%20Investigations%20and%20Projects%20Committee%20(RIPCom)/2016%20Meetings/20161020/)
2. Section 5 2015 Safe Yield Reset Agreement pages 11-15
3. Draft Table 8-2c (Updated as of November 1, 2016)

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2015 SAFE YIELD RESET AGREEMENT
ARTICLE 5
WATERMASTER ACCOUNTING

5.1 Stormwater Recharge. After the Effective Date and until termination of this Agreement, the Parties expressly consent to Watermaster's accounting for Basin recharge arising from stormwater as follows:

- (a) 2001-2014 Stormwater Recharge Program. Stormwater recharge that arises from or is attributable to the 2001-2014 Stormwater Recharge Program shall be: (i) New Yield for the period 2001-2014 in the manner that it has been distributed through approved Watermaster Assessment Packages; and (ii) Safe Yield in each subsequent year. For the 2001-2014 Stormwater Recharge Program, Watermaster shall cause no reduction against Safe Yield requiring supplementation by the reallocation of a portion of the unproduced Overlying (Agricultural) Pool's share of the Basin's Safe Yield.
- (b) Post-2014 Stormwater Recharge Projects. For the remainder of the term of the Peace Agreement, inclusive of an extension term, if any, stormwater recharge that arises from or is attributable to Post-2014 Stormwater Recharge Projects shall be allocated as set forth in this Paragraph 5.1(b).
 - (i) Interim Accounting Between Resets. For any and all Post-2014 Stormwater Recharge Projects completed in the interim periods between subsequent Safe Yield resets, Net New Recharge attributable to specific Post-2014 Stormwater Recharge Projects shall be New Yield, as that term is defined in the Peace Agreement and will be allocated based upon observed and quantified annual net-increases rather than projected future estimates of annual performance. New Yield attributable to Post-2014 Stormwater Recharge Projects shall be credited annually to the Project participants, in the Production Year in which such New Yield actually arises. Post-2014 Stormwater Recharge Project New Yield is in addition to Safe Yield and therefore by definition it shall cause no reduction against Safe Yield requiring supplementation by the reallocation of a portion of the unproduced Overlying (Agricultural) Pool's share of the Basin's Safe Yield.
 - (ii) Post-Safe Yield Reset Accounting for Post-2014 Stormwater Recharge Projects. Upon any reset of the Safe Yield after 2015, any Net New Recharge that occurs

as a result of specific Post-2014 Stormwater Recharge Projects that have been previously approved and fully implemented at the time of the reset shall be considered as a potential change in cultural conditions as provided in the Reset Technical Memorandum and thereafter considered a component of the Safe Yield if the Post-2014 Stormwater Recharge Projects to which the Net New Recharge is attributable have been constructed and in operation for a minimum of five (5) years prior to the reset. The Net New Recharge will be measured and accounted for and will be made available exclusively to the members of the Appropriative Pool in accordance with Paragraph 5.1(c) below. Following a reset of the Safe Yield, Post-2014 Stormwater Recharge Project recharge will be included within Safe Yield and its separate measurement and allocation shall cause no reduction against Safe Yield requiring supplementation by the reallocation of a portion of the unproduced Overlying (Agricultural) Pool's share of the Basin's Safe Yield. Moreover, Post-2014 Stormwater Recharge Projects that have been fully constructed and in operation for less than five (5) years or the Net New Recharge from which is otherwise not included as a component of Safe Yield pursuant to the Reset Technical Memorandum, will be treated "as if" the Net New Recharge were Safe Yield for the limited and exclusive purpose of quantifying the annual supplementation by the reallocation of a portion of the unproduced Overlying (Agricultural) Pool's share of the Basin's Safe Yield. To assist the Parties to the Agreement in their understanding of this section, examples of how Watermaster will conduct the accounting described in this Section 5.1(b)(ii) are included in Exhibit "B" hereto.

- (c) Participation in Post-2014 Stormwater Recharge Programs. The Parties contemplate that Post-2014 Stormwater Recharge Projects, such as those projects described in Watermaster's Court-approved 2013 Amendment to 2010 Recharge Master Plan Update, may be completed after the Effective Date, as part of suites of such Projects (each suite of Projects, a "Post-2014 Stormwater Recharge Program" and collectively, "Post-2014 Stormwater Recharge Programs"). Watermaster shall prepare an estimate of the Net New Recharge projected to arise from or be attributable to proposed Post-2014 Stormwater Recharge Programs. Based on this pre-approval estimate, Watermaster shall quantify each member of the Appropriative Pool's

proportionate share of the potential Net New Recharge benefits in accordance with its percentage of Operating Safe Yield and calculate its corresponding capital financing obligations. Each Appropriative Pool member's proportionate share of the potential Program Net New Recharge benefits and corresponding financing obligations shall be referred to as its "Participation Share" in the Program. The Participation Shares in a particular Program shall remain unchanged regardless of actual Program yield. Within six months of the Effective Date, Watermaster, with the recommendation and advice of the Pools and Advisory Committee, will develop rules and regulations for the definition of Post-2014 Stormwater Programs and Participation Shares therein.

Any member of the Appropriative Pool may elect, in its discretion, not to participate in certain Post-2014 Stormwater Recharge Programs. In the case a member of the Appropriative Pool has cast a final vote against an approved Post-2014 Stormwater Recharge Program, then that member may elect, in its complete discretion, to opt out of its Participation Share, by providing written notice to the members of the Appropriative Pool, within ninety (90) days of the approval of the Post-2014 Stormwater Recharge Program. Notice shall be provided through a request that the election be placed on the agenda of a regularly scheduled meeting of the Appropriative Pool, and offering the other members of the Appropriative Pool the right to assume its respective Participation Share of stormwater recharge New Yield or Safe Yield attributable to the Post-2014 Stormwater Recharge Program, along with the Pool member's assumption of all applicable rights and responsibilities.

- (i) In the event that one or more members of the Appropriative Pool voting against the approval of a Post-2014 Stormwater Recharge Program elects to opt out of its Participation Share therein, each shall permanently waive and relinquish, without limitation, all right to all the benefits accruing under its Participation Share of a Post-2014 Stormwater Recharge Program;
- (ii) An Appropriative Pool member electing to opt out of participation in a Post-2014 Stormwater Recharge Program shall be assigned no further financial obligation attributable to a Participation Share in the Post-2014 Stormwater Recharge Program that was the subject of the election;

- (iii) Fontana Water Company (FWC), a member of the Appropriative Pool, and any successor in interest thereto, shall have the first priority and exclusive right and obligation to acquire the Participation Shares, representing up to 2,000 AFY (cumulative maximum) of projected annual average recharge arising from or attributable to one or more Post-2014 Stormwater Recharge Programs, which may be made available by one or more members of the Appropriative Pool opting out of the Post-2014 Stormwater Recharge Programs. If Participation Shares in Post-2014 Stormwater Recharge Programs are available in excess of FWC's first priority right of up to 2,000 AFY under this provision, then each member of the Appropriative Pool may elect to participate in the acquisition of the excess Participation Shares along with its corresponding assumption of duties associated therewith. Available Participation Shares shall be distributed among the members of the Appropriative Pool electing to acquire the Participation Shares, pro rata based on the total number of members electing to acquire, including FWC. The acquisition of any obligations and benefits pursuant to this Paragraph shall survive the expiration of the Peace Agreement, for the life of the Post-2014 Stormwater Recharge Program, pursuant to the same terms and conditions generally applicable to all Project Participants.

- (iv) FWC shall have a right of first refusal (ROFR) as to any transfer, lease, or assignment (collectively "transfer") of any portion of a Participation Share by any member of the Appropriative Pool until a cumulative maximum of 2,000 AFY of Participation Shares has been acquired by FWC. Any member of the Appropriative Pool desiring to transfer any portion of its Participation Share will provide sixty (60) days written notice of its intention to transfer to FWC along with a copy of any agreement and accompanied by a reasonable description of the transfer. Upon its receipt of written notice, FWC may, in its complete discretion, elect to match the offer and the Appropriative Pool member providing its notice of intention to transfer must sell the identified Participation Shares. After FWC has acquired a cumulative total of 2,000 AFY of Participation Shares, its right to share in Post-2014 Stormwater Recharge Programs shall be limited to the provisions of Paragraph 5.1(c)(iii) above. FWC's ROFR, as described in this

Section 5.1(c)(iv), shall be limited only to those transfers as to which the City of Ontario is not the proposed transferee.

5.2 Desalter-Induced Recharge. After the Effective Date and until termination of this Agreement, the Parties expressly consent to Watermaster's accounting for Basin recharge arising from or attributable the Desalters as follows:

- (a) 2001-2014 Desalter-Induced Recharge. Induced recharge that arises from or is attributable to the Desalters for the period of production years 2001-2014 shall be accounted for as Safe Yield, in the manner it has been distributed through approved Watermaster Assessment Packages, shall not be considered New Yield, and shall not be considered to have been available for production by the Desalters.
- (b) 2015-2030 Desalter-Induced Recharge. For the production years of 2015- 2030, Watermaster shall account for induced recharge that arises from or is attributable to the Desalters as equal to fifty (50) percent of the total Desalter Production during each applicable production year up to a maximum of twenty-thousand (20,000) AFY of recharge. Consistent with Paragraph 6.2(a)(iii) of the Peace II Agreement, Watermaster shall deem the induced recharge as having been produced by the Desalters. During each applicable production year, Watermaster shall reduce Safe Yield by an amount equal to fifty (50) percent of the total Desalter Production, up to a maximum of twenty-thousand (20,000) AFY, and require a corresponding supplementation by the reallocation of available unproduced Agricultural Pool's share of the Basin's Safe Yield.

Claims for reallocation of the remaining unproduced quantity of the Agricultural Pool's share of Safe Yield shall be satisfied consistent with section 6.3(c) of Watermaster's Rules and Regulations, as amended as part of the Peace II Measures, and the October 8, 2010 Order Approving Watermaster's Compliance with Condition Subsequent Number Eight and Approving Procedures to be used to Allocated Surplus Agricultural Pool Water in the Event of a Decline in Safe Yield.

- (c) 2031-2060 Desalter-Induced Recharge. Should the term of the Peace Agreement be extended pursuant to Paragraph 8.4 thereof, the treatment of Desalter-Induced Recharge shall be subject to the negotiation of a new and separate agreement among the Parties to the Judgment. The accounting provided for in Section 5.2(b), above, shall be without prejudice to the

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**Draft Table 8-2c
Updated as of November 1, 2016
Recommended Yield Enhancement Projects for Final Design, Bidding, and Construction**

Project ID	Project	Yield	Recycled Water	Storm Water Recharge Unit Cost to CBWM Parties	Capital Cost to CBWM Parties	Total Annual Cost to CBWM Parties
Recommended MZ3 Projects¹						
23a	2013 Proposed RP3 Improvements ²	2,921	2,905	\$ 406	\$ 721,000	\$ 51,531
	2013 RMPU Proposed Wineville				\$ 3,574,000	\$ 292,686
	2013 RMPU Proposed Jurupa				\$ 1,413,000	\$ 118,653
	2013 Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin				\$ 10,019,000	\$ 721,953
Total MZ3		2,921	2,905	\$ 406	\$ 15,727,000	\$ 1,184,823
Recommended MZ2 Projects³						
11	Victoria Basin ⁴	75	120	\$ 111	\$ 86,000	\$ 8,358
7	San Sevaine Basins ⁵	669	4,100	\$ 384	\$ 3,230,000	\$ 257,189
12	Lower Day Basin (2010 RMPU)	993	0	\$ 285	\$ 3,779,000	\$ 282,579
Total MZ2		1,737	4,220	\$ 316	\$ 7,095,000	\$ 548,125
Recommended MZ1 Projects						
2	Montclair Basins	233	0	\$ 540	\$ 1,802,000	\$ 125,844
Total MZ1		233	0	\$ 540	\$ 1,802,000	\$ 125,844
Total Recommended Projects		4,891	7,125	\$ 380	\$ 24,624,000	\$ 1,858,792

1. PID 25a (Sierra Basin) is no longer feasible. Further development on PID 18a (CSI Basin) and PID 27 (Declaz Basin) have been deferred at this time.
 2. PID 23a (2013 RMPU Proposed Wineville PS to Jurupa, Expanded Jurupa PS to RP3 Basin, and 2013 Proposed RP3 Improvements) was separated into its individual components. The total capital cost is about \$16,448,000.
 3. PID 17a (Lower San Sevaine Basin) is no longer feasible. Further development on PID 14 (Turner Basin) and PID 15a (Ely Basin) have been deferred at this time.
 4. PID 11's total capital cost is \$172,000.
 5. PID 7's total capital cost is \$6,460,000.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

E. SUPPLEMENTAL WATER RECHARGE – REVISED FORMS



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 10, 2016
TO: Pool Committee Members
SUBJECT: Supplemental Water Recharge Revised Forms (Business Item II.E.)

SUMMARY

Issue: Proposed amendment of Application for Supplemental Water Recharge Form 2, within and consistent with current policy; does not affect or involve policy changes. The revised Forms will allow for better coordination with Inland Empire Utilities Agency (IEUA) operations, and will allow Watermaster to collect data necessary to enhance its ability to evaluate Applications and recharge events.

Recommendation: Recommend approval of the revised Form 2, and its use instead of the existing Form 2.

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

Future Consideration

Appropriative Pool Committee – November 10, 2016: Recommend Advisory Committee approval of the revised Form 2, and its use instead of the existing Form 2

Non-Agricultural Pool Committee – November 10, 2016: Recommend Advisory Committee approval of the revised Form 2, and its use instead of the existing Form 2

Agricultural Pool Committee – November 10, 2016: Recommend Advisory Committee approval of the revised Form 2, and its use instead of the existing Form 2

Advisory Committee – November 17, 2016: Approval

Watermaster Board – November 17, 2016: Approval (Advisory Committee approval required)

ACTIONS:

Appropriative Pool: Date –

Non-Agricultural Pool: Date –

Agricultural Pool: Date –

Advisory Committee: Date –

Watermaster Board: Date –

BACKGROUND

The Peace Agreement (Section 5.1) provides that any person may make an application to recharge Supplemental Water in Chino Basin, and Watermaster has the responsibility to ensure that the recharge is consistent with the Restated Judgment, the Optimum Basin Management Program Implementation Plan, and the Peace Agreement; and further, that the recharge does not cause Material Physical Injury (MPI) to any party to the Judgment. Watermaster Rules and Regulations (Section 7.1) further state, among other provisions, that Watermaster needs to ensure proper accounting of the sources of recharge.

Under the existing process any party that wishes to recharge Supplemental Water submits Form 2, which after staff review, is presented to the Pool and Advisory Committees and then the Board for approval. Form 2 (Attachment 1) requires a party to provide information on water source, method of recharge, water quality, and levels in the affected areas.

In the past when an Application for Recharge has been approved, there has been some informal communication with the applicant about the recharge operation and measurement, and some communication with IEUA. In many cases there is limited information available to Watermaster to assess the effectiveness of the recharge and to calculate the appropriate credit to be given.

To better enable Watermaster to fulfill its obligation to manage Supplemental Water Recharge in the Basin, a set of proposed procedures and forms (Attachment 3) have been developed to guide a prospective recharge event. The existing Form 2 would be renamed as Form 2a, and two new forms, Form 2b and Form 2c would be utilized (Attachment 2); the three forms would be utilized in place of the existing Form 2 that is included in the Rules and Regulations. It is anticipated that Watermaster's Rules and Regulations will be updated in the coming months to reflect other amendments, and at that time the new form would also be incorporated.

The proposed procedure and forms were presented in August 2016 to the Pool Committees in draft form for advice and assistance. Staff received input from parties and has made modifications to reflect the comments. Staff received further input during the October 2016 Pool and Advisory Committee meetings, as well as comments from IEUA on October 14, 2016.

DISCUSSION

While Supplemental Water Recharge in the past has been mostly conducted by IEUA, there are signs that the practice is likely to increase in frequency, and be undertaken by other parties. Recent examples include Vulcan Materials Company, Fontana Water Company, and San Antonio Water Company; more are possible if there are changes in the way water can be transferred among State Water Contractors, and if wet water in excess of annual demands is available. The ongoing development of the Santa Ana Regional Conservation and Conjunctive Use Program (SARCCUP) is yet another indication of rising interest in the possibility of Supplemental Water Recharge.

The proposed form changes are intended to help provide adequate information for an MPI analysis; create a recharge operations plan that can be clearly communicated and coordinated with IEUA operations; establish a measurement system; and collect and report data that is accurate and useful in the calculation of recharge.

The review process with the Pools so far has focused on the procedure that is to be followed. The input and advice offered by the parties has been incorporated, and the procedure is shown in redline form as Attachment 3. The substantive action that is required is adoption of the new Form 2 (i.e. Forms 2a, 2b, and 2c) so it can be used until the Rules and Regulations are amended and the new Form can be incorporated. This is the reason why, while the Pools have so far been asked for advice and assistance, at this time they are being asked to consider recommending approval of the revised Recharge Application Forms.

Additional comments that have been expressed by parties during the review period include: whether existing approved recharge applications would have to be re-submitted; whether it is possible to expedite processing a Recharge Plan for approved applications to accommodate real-time opportunities to recharge; and that a policy regarding priority of supplemental water in case of competing recharge events needs to be established before recharge procedures are adopted.

Adoption of the revised Recharge Application (Form 2) would not require that existing applications be resubmitted; existing applications would remain valid on the terms (recharge basins, volume and/or time) they were approved. The accompanying procedures were edited to indicate that a Recharge Plan would be expedited in cases of real-time opportunities to recharge.

The proposed revised Recharge Application does not modify the existing provision of the Peace II Agreement (7.4.a) relating to the 6% leave behind that applies to water stored by parties that have not contributed to the OBMP implementation, as an equivalent financial contribution to the OBMP; nor is it intended to create a priority of water in case of conflicting recharge demands. This is why the revised Recharge Application does not need to be preceded by policy changes.

Recharge policies are important and need to be addressed by an update of Watermaster's Rules and Regulations. Such an update would include but not be limited to a clarification of how to account for the 6% leave behind charged on stored water for non-Parties as a contribution to OBMP implementation; would resolve the question of priorities in case of competing recharge applications; along with any other questions that may arise. An update to the Rules and Regulations is necessary regardless, as there have been a number of Court Orders that require other changes to be captured, and staff intends to begin the update in 2017. For the above reasons it is not necessary to wait for the policies to be considered before approving the revised Recharge Application Form 2 for an already-existing practice that is within current policy.

ATTACHMENTS

1. Existing Form 2
2. Proposed Revised Recharge Application Form (Form 2a, 2b, and 2c)
3. Proposed Procedure for Supplemental Water Recharge (redline version)
4. Proposed Procedure for Supplemental Water Recharge (clean version)

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**APPLICATION
FOR
RECHARGE**

APPLICANT

_____ Name of Party			_____ Date Requested	_____ Date Approved
_____ Street Address			_____ Acre-feet Amount Requested	_____ Acre-feet Amount Approved
_____ City	_____ State	_____ Zip Code	_____ Projected Rate of Recharge	_____ Projected Duration of Recharge
Telephone: _____			Facsimile: _____	

SOURCE OF SUPPLY

Water from:

- State Water Project
- Colorado River
- Local Supplemental Source: _____
- Recycled Water
- Other, explain _____

METHOD OF RECHARGE

- PERCOLATION
 - Basin Name _____
 - Location _____
- INJECTION
 - Well Number _____
 - Location (attach map) _____
- EXCHANGE
 - Facility Name _____
 - Share of Safe Yield _____
 - Carry Over Right _____
 - Water in Storage _____
 - Pumping Capacity (cfs) _____

WATER QUALITY AND WATER LEVELS

What is the existing water quality and what are the existing water levels in the areas that are likely to be affected?

MATERIAL PHYSICAL INJURY

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?

ADDITIONAL INFORMATION ATTACHED Yes [] No []

Applicant

TO BE COMPLETED BY WATERMASTER:

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____ Agreement # _____

Form 2a Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person		Date Requested	
Contact (individual)		Date Approved	
Street Address		Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	
City			
State			
Zip Code			
Telephone		Requested Total Amount of Recharge Over the Application Period (AF)	
Fax		Approved Total Amount of Recharge Over the Application Period (AF)	
Email			

Source(s) of Supply (check box and provide supporting information)		
<input type="checkbox"/>	State Water Project	
<input type="checkbox"/>	Colorado River Aqueduct	
<input type="checkbox"/>	Local Supplemental (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)	
<input type="checkbox"/>	Recycled Water (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)	
<input type="checkbox"/>	Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)	

Method of Recharge (check box and provide supporting information)		
<input type="checkbox"/> Surface Spreading		
	Recharge Basin Name(s) Expected Period of Recharge (mm/dd to mm/dd) Depth to Water in Recharge Area (ft-bgs) Water Quality in Recharge Area (attach characterization)	
<input type="checkbox"/> Injection		
	Well Names and Locations (attach well completion report if not on file with the Watermaster) Expected Period of Recharge (mm/dd to mm/dd) Depth to Water in Recharge Area (ft-bgs) Water Quality in Recharge Area (attach characterization)	
<input type="checkbox"/> In-Lieu Exchange		
	Treatment Plant and Turnout Share of Safe Yield (percent and AFY) Carryover Right, if Applicable (AF) Water in Storage (AF) Pumping Capacity (mgd or AFM) Expected Period of Recharge (mm/dd to mm/dd) Depth to Water in Area Impacted by In-Lieu Recharge (ft-bgs) Water Quality in Area Impacted by In-Lieu Recharge (attach characterization)	

Form 2a Application for Supplemental Water Recharge

Material Physical Injury

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? (Y or N)

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 or the Basin (provide list of mitigation measures and rationale either below or attach one to this application)

by: _____
Applicant Date

To Be Completed by Watermaster

Is the Person a Party to the Judgment that has

Previously contributed to the implementation of the OBMP? Y_____ N_____

Is in compliance with their continuing covenants under the Peace Agreement Y_____ N_____

(If answer to previous question is No)

Paid or delivered to Watermaster "financial equivalent" consideration to offset the cost
past performance prior to the OBMP implementation? Y_____ N_____

Promised continued future compliance with Watermaster Rules and Regulations? Y_____ N_____

Date of Approval from Appropriative Pool (mm/dd/yyyy)

Date of Approval from Overlying Non-Ag Pool (mm/dd/yyyy)

Date of Approval from Overlying Ag Pool (mm/dd/yyyy)

Hearing Date (if any) (mm/dd/yyyy)

Date of Approval by Advisory Committee (mm/dd/yyyy)

Date of Approval from Board (mm/dd/yyyy)

Recharge Agreement Number

Form 2b Request to Recharge Supplemental Water by a Person

Requesting Entity:	
Date:	
Recharge Agreement Number (Form 2a):	
Date of Watermaster Approval of Recharge Application:	
Source of Supplemental Water:	
Period over which Supplemental Water is proposed to be delivered:	
Volume of Supplemental Water proposed to be recharged in acre-ft:	
Expected rate of delivery of Supplemental water to be recharged (cfs):	
Proposed recharge facilities:	
Proposed conveyance facilities if required to move Supplemental Water to recharge facilities:	
Meter manufacturer, model number and type:	
Measurement unit reported by meter and meter factor to convert direct reads into acre-ft:	
Date meter was installed:	
Date meter was last calibrated:	
Stated accuracy of the meter from the factory or last calibration:	

Narrative description of the proposed recharge event (max 400 characters here or provide information in an attachment):

Narrative description of the proposed metering plan (max 400 characters here or provide information in an attachment):

I declare and affirm under the penalty of perjury that the statements made herein are true and correct to the best of my knowledge, information, and belief. Executed on the ___ day of _____ in the year _____ at _____.

Signature

Title

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Procedure for the Recharge of Supplemental Water by a Person

Introduction

Section 5.1 of the Peace Agreement provides that any Person¹ may make an application to Watermaster to recharge Supplemental Water in the Chino Basin. Sections 7 and 10 of the Watermaster ~~R~~ules and ~~R~~egulations reiterate the conditions of approval and describe the recharge application process, respectively. This document describes the procedure to be used by a Person to recharge Supplemental Water. This procedure includes three main steps:

1. Apply for and obtain Watermaster approval to recharge Supplemental Water;
2. Plan, schedule, coordinate, and execute a Supplemental Water recharge event; and
3. Provide the monitoring and accounting necessary to enable the applicant and Watermaster to determine how much water was actually recharged during a recharge event and to account for the recharged water.

In Step 1, a Person makes an application to the Watermaster to obtain approval to recharge Supplemental Water. Watermaster Form 2a (formerly Form 2) *Application for Recharge* is used to make an application to Watermaster to recharge Supplemental Water. By submitting Form 2a, the Person, if not a Party to the Judgment, agrees to pay the cost associated with the use of recharge facilities, including IEUA and Watermaster staff time to monitor the recharge event and compute the actual recharge.

In Step 2, Watermaster Form 2b *Request to Recharge Supplemental Water by a Person* is used to propose a Supplemental Water recharge event to Watermaster. A Supplemental Water recharge event is a period-specific event where the Person will bring a specified volume of Supplemental Water under their dominion to either their own recharge facility or storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin². The Step 2 process depends on whether or not the Person intends to recharge supplemental water in its own recharge facilities or in the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin. For the former, the Step 2 process is relatively simple.

For the latter, the process is more involved. The Person is required to work with Watermaster and potentially the IEUA to plan, schedule, and coordinate a Supplemental Water recharge event. Watermaster and IEUA staffs need to jointly plan the use of and monitoring of the Person's Supplemental Water recharge event to ensure there are no conflicts in the operation of the facilities with storm and other Supplemental Water recharge activities and maintenance activities, and to ensure that there is capacity to receive the Person's Supplemental Water into the recharge facilities. The Person, Watermaster, and the IEUA need to make sure the Person's Supplemental Water can be and is actually diverted into a recharge basin or facility and recharges in the Chino Basin; this requires planning and monitoring of the recharge event. Upon receiving Form 2b, Watermaster and IEUA staffs will work with the Person to finalize a Recharge Plan, to develop a precise schedule to implement it, and to develop a

¹ The terms "Person" and "Supplemental Water" used herein have the same meaning as those used in the Judgment, the Peace Agreements and the Rules and Regulations.

² Recharge Event – An instance of supplemental water recharge in the Chino Basin by a Person authorized under Forms 2a and 2b.

precise coordination plan among specific individuals to complete the recharge event. The recharge event would then occur pursuant to the final Recharge Plan. Every effort will be made to expedite the process to approve Form 2b and the Recharge Plan, especially for time-critical recharge events.

Step 3 involves the reporting and validation of the Supplemental Water recharge event. Once the recharge event is completed, the Person, Watermaster, and potentially the IEUA will need to determine how much of the Supplemental Water provided by the Person actually recharged. Some of the Person's Supplemental Water may have been lost due to losses at the diversion works into the spreading grounds (e.g. blocked inlet, improperly set gates), losses from evaporation³, and losses from spillage (e.g. stormwater displacing Supplemental Water, dewatering for maintenance). Watermaster will utilize the meter information provided by the Person and other data collected by the IEUA and Watermaster to estimate actual Supplemental Water recharge. Form 2c *Report of Supplemental Water Recharge by a Person* is used by the Person to provide information on their measurement of the delivery of Supplemental Water to either the Person-owned recharge facility or the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, including information on the meters and the time history of meter readings. The frequency of meter readings will be set during the development of the Recharge Plan. This completed form is to be submitted to Watermaster and IEUA monthly and at the completion of the recharge event for Watermaster's use in estimating Supplemental Water recharge.

These procedures are described in detail below.

Step 1 Apply for and Obtain Watermaster Approval to Recharge Supplemental Water

Any Person seeking to recharge Supplemental Water is required to complete Watermaster Form No. 2a *Application for Recharge*. Form 2a requires the following: the applicant's identification and contact information; summary information on the amount of recharge requested, the rate of recharge and the projected duration of recharge; the source of Supplemental Water and its water quality characterization; the method of recharge; groundwater levels and water quality in the recharge area; and an affirmative statement by the applicant on whether they know if their proposed recharge will cause potential material physical injury (MPI) to a party or to the basin and if so what mitigation measures the applicant proposes to ensure that the proposed recharge does not cause potential MPI. The procedure to make a recharge application is listed below:

1. Person (applicant) completes Form 2a and submits it to Watermaster with backup information.
2. Watermaster staff will review Form 2a for completeness. If the form is determined to be complete, proceed to step 3 immediately below; if incomplete, then Watermaster staff will notify the Person and inform them of deficiencies in the application and return the form so that it can be completed and resubmitted to Watermaster. The approximate time to determine that the request form is complete should not exceed five business days.

For Persons that have not previously contributed to the implementation of the OBMP as a Party to the Judgment, are not in compliance with their continuing covenants under the Peace

³ Watermaster staff will develop a uniform method for computing losses due to evaporation based on recent historical data and will update it periodically based on new information.

Agreement or in lieu thereof have paid or delivered to Watermaster "financial equivalent" consideration to offset the cost of past performance prior to the implementation of the OBMP, Watermaster staff will estimate the cost for staff time to monitor the recharge event & compute the supplemental water recharge, and associated O&M.

3. Watermaster staff reviews the completed application and conducts an analysis to determine if the proposed recharge as described in the recharge application will cause potential MPI.
4. If Watermaster staff determines that the proposed recharge will cause potential MPI, Watermaster staff will work with the applicant to develop mitigation measures such that the proposed recharge will not cause MPI.
5. Watermaster will then place the recharge application and MPI assessment on the agenda for subsequent action by the Pool Committees, the Advisory Committee, and the Watermaster Board. This approval process should take no more than 90 days.
6. In special situations where a Person is expected to conduct multiple regular recharge events over a period of several years, Form 2a can be used to approve the recharge of Supplemental Water for up to five years.

Step 2 Plan, Schedule, Coordinate, and Execute a Supplemental Recharge Event

After Form 2a has been approved and prior to recharging Supplemental Water, a Person must complete and submit Form 2b *Request to Recharge Supplemental Water by a Person* to the Watermaster. Form 2b contains the information necessary to precisely describe the Supplemental Water recharge event desired by the Person. Watermaster and potentially the IEUA will review the submitted form and assess how the recharge event can be executed consistent with the Court-approved management agreements and the Watermaster-approved recharge application. The procedure to plan, schedule, coordinate, and execute a Supplemental Water recharge event is listed below:

1. Person will complete a Form 2b that can be downloaded from the Watermaster website and submit it to Watermaster. The Person will indicate on the form if the planned recharge event will occur in its own recharge facility or the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin.
2. Watermaster staff will review the form for completeness. If the form is determined to be complete, proceed to the next step immediately below; if incomplete, Watermaster staff will notify the Person, inform them of the deficiencies in the form, and return the form such that it can be completed and resubmitted. The approximate time to determine if the request form is complete should not exceed five business days. For special situations where a Person is expected to conduct regular recharge events over a period of several years, Form 2b can cover multiple Supplemental Water recharge events over a period of up to five years.
3. If the Person intends to use the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, proceed to 3(a) below; otherwise proceed to 3(b) below.
 - a. Conducting Supplemental Water Recharge in Facilities *not* Owned by Person.
 1. Watermaster and IEUA staffs will review the completed Form 2b and prepare a Recharge Plan to be used by the Person. The Recharge Plan will describe: the specific recharge facilities that will be used, the precise recharge period (starting date and

PROCEDURE FOR THE RECHARGE OF SUPPLEMENTAL WATER BY A PERSON

time and number of days), Supplemental Water delivery rates, the metering practices that will be used to measure the Supplemental Water recharge, and the operations plan and monitoring necessary to accomplish the recharge and account for the water. The IEUA and Watermaster may request other information from the Person other than that was provided in Form 2b⁴. Watermaster staff will provide the Recharge Plan to the Person for their review and acceptance. The review and approval process for the completed Recharge Plan should take no more than 30 days. For time-critical recharge events (e.g. during or immediately after a storm event when a Person's capacity to temporarily store supplemental water may be limited), every effort will be made to expedite this process.

2. The Person will sign onto the Recharge Plan and conduct the recharge event per the Recharge Plan.
 3. The Person will provide Watermaster and the IEUA a five-day notice of its intent to commence recharge; the IEUA and Watermaster must concur within 24 hours that recharge can begin at the requested time.
 4. The Person will provide Watermaster and the IEUA a 24-hour notice of its intent to commence recharge. Watermaster and IEUA reserved discretion to request an adjustment to the approved Recharge Plan at any point prior to the recharge event.
 5. To the extent required by the Recharge Plan, the IEUA will adjust gates and other related hydraulic appurtenances to facilitate basin recharge operations. The Person's staff will not be allowed to adjust gates and other related hydraulic appurtenances to facilitate basin recharge operations.
 6. Watermaster and IEUA staffs will monitor recharge operations, as described in the Recharge Plan. The monitoring will include observations and data collection to verify that the Supplemental Water supplied for recharge by the Person has been diverted into the recharge facility and how much of that water actually recharged.
 7. During recharge operations, the IEUA or Watermaster, ~~at their discretion,~~ may request the Person to cease recharge operations. This could occur due for a variety of reasons including but not limited to an expected stormwater inflow event, unanticipated challenges with the recharge facilities, or some emergency condition. The Person will cease recharge operations when requested by the IEUA or Watermaster. The Person will read their meter when recharge operations cease and will note the meter reading, the time, and the date. Recharge operations can restart with permission from the IEUA or the Watermaster.
 8. When recharge operations are completed, the Person will, on the same day, inform Watermaster and the IEUA by email.
- b. Conducting Supplemental Water Recharge in Person-Owned Recharge Facilities. The Person will be allowed to conduct recharge operations at their facilities as described in

⁴ It is the intent of these procedures to develop monthly estimates of Supplemental Water recharge by source and location and thus the collection and reporting of recharge by the Person will be done in such a way to ensure the monthly accounting of Supplemental Water recharge.

the Recharge Plan⁵ developed in 2 above at the Person's discretion. The Person will notify Watermaster at the start and end of each recharge event. During recharge operations, Watermaster staff must have access to the Person-owned recharge facilities and any water meters or measuring devices used to measure recharge to be able to verify the recharge volumes claimed in Form 2c below.

Step 3 Monitoring and Accounting

During the Supplemental Water recharge event, pursuant to the Recharge Plan, the Person, Watermaster and potentially IEUA staffs will be collecting data to enable Watermaster to properly account for the Supplemental Water entering a recharge facility and recharging in that facility. The procedure to obtain monitoring data and conduct an accounting of the Person's recharge from the Supplemental Water recharge event is listed below:

1. ~~Monthly and at the conclusion of~~ After the Supplemental Water recharge event ~~concludes~~, the Person will complete Watermaster Form 2c *Report of Supplemental Water Recharge by a Person* and submit it to Watermaster and IEUA. Watermaster Form 2c contains information on the meters and/or other means to estimate the Supplemental Water diverted into a spreading basin recharge facility and the associated time series of measurements to the Watermaster. For Supplemental Water recharge in the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, The Person will provide the Watermaster a completed Form 2c for each recharge event no less frequently than monthly, and within 7 days of the end of each month. For Supplemental Water recharge in Person-owned recharge facilities, Form 2c can document multiple recharge events over a period specified in the Recharge Plan developed from Form 2b.
2. Watermaster will ~~conduct a~~ review ~~of~~ the recharge documentation provided by the Person and prepare an estimate of the actual amount of Supplemental Water recharged. Watermaster will provide the Person with its estimate of the actual amount of Supplemental Water recharged for the Person's review and comment.
3. Watermaster will consider the Person's comments on its recharge estimate and use its discretion to finalize the recharge estimate. Watermaster will subsequently use its finalized Supplemental Water recharge estimate in its accounting.
4. ~~Watermaster staff will estimate the actual staff time and cost incurred to monitor and compute the Supplemental Water recharged, and will invoice the Person for this amount. For Persons that have not previously contributed to the implementation of the OBMP as a Party to the Judgments, are not in compliance with their continuing covenants under the Peace Agreement or in lieu thereof have paid or delivered to Watermaster "financial equivalent" consideration to offset the cost of past performance prior to the implementation of the OBMP, Watermaster will invoice the cost for both IEUA and Watermaster staff time and costs to monitor the recharge event, compute the supplemental water recharge, and O&M associated with this event. This is above and beyond the 6% storage loss being applied to the volume of water being recharged, which is a surrogate for contribution to OBMP implementation.~~

⁵ The intent is that Watermaster will work with the Person proposing to recharge in a Person-owned recharge facility such that the approved form 2b will be the Recharge Plan

4.5.

Draft

Procedure for the Recharge of Supplemental Water by a Person

Introduction

Section 5.1 of the Peace Agreement provides that any Person¹ may make an application to Watermaster to recharge Supplemental Water in the Chino Basin. Sections 7 and 10 of the Watermaster Rules and Regulations reiterate the conditions of approval and describe the recharge application process, respectively. This document describes the procedure to be used by a Person to recharge Supplemental Water. This procedure includes three main steps:

1. Apply for and obtain Watermaster approval to recharge Supplemental Water;
2. Plan, schedule, coordinate, and execute a Supplemental Water recharge event; and
3. Provide the monitoring and accounting necessary to enable the applicant and Watermaster to determine how much water was actually recharged during a recharge event and to account for the recharged water.

In Step 1, a Person makes an application to the Watermaster to obtain approval to recharge Supplemental Water. Watermaster Form 2a (formerly Form 2) *Application for Recharge* is used to make an application to Watermaster to recharge Supplemental Water. By submitting Form 2a, the Person, if not a Party to the Judgment, agrees to pay the cost associated with the use of recharge facilities, including IEUA and Watermaster staff time to monitor the recharge event and compute the actual recharge.

In Step 2, Watermaster Form 2b *Request to Recharge Supplemental Water by a Person* is used to propose a Supplemental Water recharge event to Watermaster. A Supplemental Water recharge event is a period-specific event where the Person will bring a specified volume of Supplemental Water under their dominion to either their own recharge facility or storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin². The Step 2 process depends on whether or not the Person intends to recharge supplemental water in its own recharge facilities or in the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin. For the former, the Step 2 process is relatively simple.

For the latter, the process is more involved. The Person is required to work with Watermaster and potentially the IEUA to plan, schedule, and coordinate a Supplemental Water recharge event. Watermaster and IEUA staffs need to jointly plan the use of and monitoring of the Person's Supplemental Water recharge event to ensure there are no conflicts in the operation of the facilities with storm and other Supplemental Water recharge activities and maintenance activities, and to ensure that there is capacity to receive the Person's Supplemental Water into the recharge facilities. The Person, Watermaster, and the IEUA need to make sure the Person's Supplemental Water can be and is actually diverted into a recharge basin or facility and recharges in the Chino Basin; this requires planning and monitoring of the recharge event. Upon receiving Form 2b, Watermaster and IEUA staffs will work with the Person to finalize a Recharge Plan, to develop a precise schedule to implement it, and to develop a

¹ The terms "Person" and "Supplemental Water" used herein have the same meaning as those used in the Judgment, the Peace Agreements and the Rules and Regulations.

² Recharge Event – An instance of supplemental water recharge in the Chino Basin by a Person authorized under Forms 2a and 2b.

precise coordination plan among specific individuals to complete the recharge event. The recharge event would then occur pursuant to the final Recharge Plan. Every effort will be made to expedite the process to approve Form 2b and the Recharge Plan, especially for time-critical recharge events.

Step 3 involves the reporting and validation of the Supplemental Water recharge event. Once the recharge event is completed, the Person, Watermaster, and potentially the IEUA will need to determine how much of the Supplemental Water provided by the Person actually recharged. Some of the Person's Supplemental Water may have been lost due to losses at the diversion works into the spreading grounds (e.g. blocked inlet, improperly set gates), losses from evaporation³, and losses from spillage (e.g. stormwater displacing Supplemental Water, dewatering for maintenance). Watermaster will utilize the meter information provided by the Person and other data collected by the IEUA and Watermaster to estimate actual Supplemental Water recharge. Form 2c *Report of Supplemental Water Recharge by a Person* is used by the Person to provide information on their measurement of the delivery of Supplemental Water to either the Person-owned recharge facility or the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, including information on the meters and the time history of meter readings. The frequency of meter readings will be set during the development of the Recharge Plan. This completed form is to be submitted to Watermaster and IEUA monthly and at the completion of the recharge event for Watermaster's use in estimating Supplemental Water recharge.

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Any Person seeking to recharge Supplemental Water is required to complete Watermaster Form No. 2a *Application for Recharge*. Form 2a requires the following: the applicant's identification and contact information; summary information on the amount of recharge requested, the rate of recharge and the projected duration of recharge; the source of Supplemental Water and its water quality characterization; the method of recharge; groundwater levels and water quality in the recharge area; and an affirmative statement by the applicant on whether they know if their proposed recharge will cause potential material physical injury (MPI) to a party or to the basin and if so what mitigation measures the applicant proposes to ensure that the proposed recharge does not cause potential MPI. The procedure to make a recharge application is listed below:

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For Persons that have not previously contributed to the implementation of the OBMP as a Party to the Judgment, are not in compliance with their continuing covenants under the Peace

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Agreement or in lieu thereof have paid or delivered to Watermaster "financial equivalent" consideration to offset the cost of past performance prior to the implementation of the OBMP, Watermaster staff will estimate the cost for staff time to monitor the recharge event & compute the supplemental water recharge, and associated O&M.

3. Watermaster staff reviews the completed application and conducts an analysis to determine if the proposed recharge as described in the recharge application will cause potential MPI.
4. If Watermaster staff determines that the proposed recharge will cause potential MPI, Watermaster staff will work with the applicant to develop mitigation measures such that the proposed recharge will not cause MPI.
5. Watermaster will then place the recharge application and MPI assessment on the agenda for subsequent action by the Pool Committees, the Advisory Committee, and the Watermaster Board. This approval process should take no more than 90 days.
6. In special situations where a Person is expected to conduct multiple regular recharge events over a period of several years, Form 2a can be used to approve the recharge of Supplemental Water for up to five years.

Step 2 Plan, Schedule, Coordinate, and Execute a Supplemental Recharge Event

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3. If the Person intends to use the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, proceed to 3(a) below; otherwise proceed to 3(b) below.
 - a. Conducting Supplemental Water Recharge in Facilities *not* Owned by Person.
 1. Watermaster and IEUA staffs will review the completed Form 2b and prepare a Recharge Plan to be used by the Person. The Recharge Plan will describe: the specific recharge facilities that will be used, the precise recharge period (starting date and

time and number of days), Supplemental Water delivery rates, the metering practices that will be used to measure the Supplemental Water recharge, and the operations plan and monitoring necessary to accomplish the recharge and account for the water. The IEUA and Watermaster may request other information from the Person other than that was provided in Form 2b⁴. Watermaster staff will provide the Recharge Plan to the Person for their review and acceptance. The review and approval process for the completed Recharge Plan should take no more than 30 days. For time-critical recharge events (e.g. during or immediately after a storm event when a Person's capacity to temporarily store supplemental water may be limited), every effort will be made to expedite this process.

2. The Person will sign onto the Recharge Plan and conduct the recharge event per the Recharge Plan.
 3. The Person will provide Watermaster and the IEUA a five-day notice of its intent to commence recharge; the IEUA and Watermaster must concur within 24 hours that recharge can begin at the requested time.
 4. The Person will provide Watermaster and the IEUA a 24-hour notice of its intent to commence recharge. Watermaster and IEUA reserved discretion to request an adjustment to the approved Recharge Plan at any point prior to the recharge event.
 5. To the extent required by the Recharge Plan, the IEUA will adjust gates and other related hydraulic appurtenances to facilitate basin recharge operations. The Person's staff will not be allowed to adjust gates and other related hydraulic appurtenances to facilitate basin recharge operations.
 6. Watermaster and IEUA staffs will monitor recharge operations, as described in the Recharge Plan. The monitoring will include observations and data collection to verify that the Supplemental Water supplied for recharge by the Person has been diverted into the recharge facility and how much of that water actually recharged.
 7. During recharge operations, the IEUA or Watermaster, may request the Person to cease recharge operations. This could occur for a variety of reasons including but not limited to an expected stormwater inflow event, unanticipated challenges with the recharge facilities, or some emergency condition. The Person will cease recharge operations when requested by the IEUA or Watermaster. The Person will read their meter when recharge operations cease and will note the meter reading, the time, and the date. Recharge operations can restart with permission from the IEUA or the Watermaster.
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⁴ It is the intent of these procedures to develop monthly estimates of Supplemental Water recharge by source and location and thus the collection and reporting of recharge by the Person will be done in such a way to ensure the monthly accounting of Supplemental Water recharge.

the Recharge Plan⁵ developed in 2 above at the Person's discretion. The Person will notify Watermaster at the start and end of each recharge event. During recharge operations, Watermaster staff must have access to the Person-owned recharge facilities and any water meters or measuring devices used to measure recharge to be able to verify the recharge volumes claimed in Form 2c below.

Step 3 Monitoring and Accounting

During the Supplemental Water recharge event, pursuant to the Recharge Plan, the Person, Watermaster and potentially IEUA staffs will be collecting data to enable Watermaster to properly account for the Supplemental Water entering a recharge facility and recharging in that facility. The procedure to obtain monitoring data and conduct an accounting of the Person's recharge from the Supplemental Water recharge event is listed below:

1. Monthly and at the conclusion of the Supplemental Water recharge event, the Person will complete Watermaster Form 2c *Report of Supplemental Water Recharge by a Person* and submit it to Watermaster and IEUA. Watermaster Form 2c contains information on the meters and/or other means to estimate the Supplemental Water diverted into a recharge facility and the associated time series of measurements to the Watermaster. For Supplemental Water recharge in the storm and supplemental water recharge facilities that are integrated into the drainage channels in the Chino Basin, The Person will provide the Watermaster a completed Form 2c for each recharge event no less frequently than monthly, and within 7 days of the end of each month. For Supplemental Water recharge in Person-owned recharge facilities, Form 2c can document multiple recharge events over a period specified in the Recharge Plan developed from Form 2b.
2. Watermaster will review the recharge documentation provided by the Person and prepare an estimate of the actual amount of Supplemental Water recharged. Watermaster will provide the Person with its estimate of the actual amount of Supplemental Water recharged for the Person's review and comment.
3. Watermaster will consider the Person's comments on its recharge estimate and use its discretion to finalize the recharge estimate. Watermaster will subsequently use its finalized Supplemental Water recharge estimate in its accounting.
4. For Persons that have not previously contributed to the implementation of the OBMP as a Party to the Judgments, are not in compliance with their continuing covenants under the Peace Agreement or in lieu thereof have paid or delivered to Watermaster "financial equivalent" consideration to offset the cost of past performance prior to the implementation of the OBMP, Watermaster will invoice the cost for both IEUA and Watermaster staff time and costs to monitor the recharge event, compute the supplemental water recharge, and O&M associated with this event. This is above and beyond the 6% storage loss being applied to the volume of water being recharged, which is a surrogate for contribution to OBMP implementation.

⁵ The intent is that Watermaster will work with the Person proposing to recharge in a Person-owned recharge facility such that the approved form 2b will be the Recharge Plan

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (APPROPRIATIVE POOL)

F. CALENDAR YEAR 2017 APPROPRIATIVE POOL 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 10, 2016
TO: Appropriative Pool Committee Members
SUBJECT: Calendar Year 2017 Appropriative Pool Committee Volume Vote (Business Item II.F.)

SUMMARY

Issue: Volume Vote calculations for the new calendar year are performed annually and Parties are allocated a voting percentage.

Recommendation: Approve the Calendar Year 2017 Appropriative Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

Financial Impact: None.

Future Consideration

Appropriative Pool – November 10, 2016: Approve the Calendar Year 2017 Appropriative Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

ACTIONS:

November 10, 2016 – Appropriative Pool –

BACKGROUND

Following the approval of the Assessment Package each year, Volume Vote calculations for the new calendar year are performed and Parties are allocated a voting percentage. The 2016/2017 Assessment Package is scheduled for Advisory Committee and Board approval on November 17, 2016.

Pursuant to the Appropriative Pool Pooling Plan, 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

All Water Activity Reports have now been received, and the Volume Vote has now been calculated. Although production is not considered official at this point, it is not expected to change. Once the Assessment Package is completed and approved, the Volume Vote can be approved as final, or updated as necessary. Please note that Attachment 1, the 2017 Appropriative Pool Volume Vote table, displays a column titled "Share of Safe Yield, Acre-Ft." Though those numbers are expected to change after the Court has considered the Safe Yield Reset Agreement, the percentage relative to the total of each of them is not expected to change; the Volume Vote calculation is based on the percentage of the total.

The 2017 Appropriative Pool Volume Vote allocation is attached (Attachment 1). The current year (2016) Volume Vote is also attached for reference (Attachment 2).

ATTACHMENTS

1. 2017 Appropriative Pool Volume Vote table
2. Current year (2016) Appropriative Pool Volume Vote table



Chino Basin Watermaster 2017 Appropriative Pool Volume Vote

Assessment Year 2016-2017 (Production Year 2015-2016)

	Assessable Production			Share of Safe Yield		TOTAL VOLUME VOTE	
	Acre-Ft	Percentage	Votes	Acre-Ft	Votes	Non-Minor	Minor
Arrowhead Mtn Spring Water Co	356.162	0.396%	1.981	0.000	0.000		1.981
Chino Hills, City Of	1,548.281	1.722%	8.611	2,111.422	19.253	27.863	
Chino, City Of	0.000	0.000%	0.000	4,033.857	36.782	36.782	
Cucamonga Valley Water District	20,534.740	22.840%	114.201	3,619.454	33.004	147.205	
Fontana Union Water Company	0.000	0.000%	0.000	6,391.736	58.283	58.283	
Fontana Water Company	15,317.165	17.037%	85.184	1.000	0.009	85.193	
Fontana, City Of	0.000	0.000%	0.000	0.000	0.000		0.000
Golden State Water Company	807.419	0.898%	4.490	411.476	3.752		8.242
Jurupa Community Services District	8,952.753	9.958%	49.790	2,061.118	18.794	68.584	
Marygold Mutual Water Company	752.723	0.837%	4.186	655.317	5.975		10.162
Monte Vista Irrigation Company	0.000	0.000%	0.000	676.759	6.171		6.171
Monte Vista Water District	8,203.721	9.125%	45.624	4,823.954	43.987	89.611	
Niagara Bottling, LLC	1,774.574	1.974%	9.869	0.000	0.000		9.869
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	18,053.831	20.081%	100.404	11,373.816	103.711	204.115	
Pomona, City Of	9,963.663	11.082%	55.412	11,215.852	102.271	157.683	
San Antonio Water Company	1,030.847	1.147%	5.733	1,506.888	13.740		19.473
San Bernardino, County of (Shooting Park)	9.396	0.010%	0.052	0.000	0.000		0.052
Santa Ana River Water Company	0.000	0.000%	0.000	1,301.374	11.866		11.866
Upland, City Of	2,600.725	2.893%	14.464	2,852.401	26.009	40.473	
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	89,906.000	100.000%	500.000	54,834.000	500.000	915.792	84.208

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Chino Basin Watermaster 2016 Appropriative Pool Volume Vote

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

	Assessable Production			Share of Safe Yield		TOTAL VOLUME VOTE	
	Acre-Ft	Percentage	Votes	Acre-Ft	Votes	Non-Minor	Minor
Arrowhead Mtn Spring Water Co	426.139	0.507%	2.533	0.000	0.000		2.533
Chino Hills, City Of	3,661.309	4.353%	21.766	2,111.422	19.253	41.019	
Chino, City Of	0.000	0.000%	0.000	4,033.857	36.782	36.782	
Cucamonga Valley Water District	14,639.960	17.406%	87.031	3,619.454	33.004	120.035	
Fontana Union Water Company	0.000	0.000%	0.000	6,391.736	58.283	58.283	
Fontana Water Company	13,344.225	15.866%	79.328	1.000	0.009	79.337	
Fontana, City Of	0.000	0.000%	0.000	0.000	0.000		0.000
Golden State Water Company	720.259	0.856%	4.282	411.476	3.752		8.034
Jurupa Community Services District	12,466.577	14.822%	74.111	2,061.118	18.794	92.905	
Marygold Mutual Water Company	1,250.349	1.487%	7.433	655.317	5.975		13.409
Monte Vista Irrigation Company	0.000	0.000%	0.000	676.759	6.171		6.171
Monte Vista Water District	6,881.539	8.182%	40.909	4,823.954	43.987	84.896	
Niagara Bottling, LLC	1,859.765	2.211%	11.056	0.000	0.000		11.056
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	11,430.640	13.591%	67.953	11,373.816	103.711	171.664	
Pomona, City Of	12,520.382	14.886%	74.431	11,215.852	102.271	176.702	
San Antonio Water Company	1,479.087	1.759%	8.793	1,506.888	13.740		22.533
San Bernardino, County of (Shooting Park	10.868	0.013%	0.065	0.000	0.000		0.065
Santa Ana River Water Company	0.000	0.000%	0.000	1,301.374	11.866		11.866
Upland, City Of	3,416.416	4.062%	20.310	2,852.401	26.009	46.319	
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	84,107.515	100.000%	500.000	54,834.000	500.000	907.942	92.058
						1,000.000	

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (NON-AGRICULTURAL POOL)

F. CALENDAR YEAR 2017 NON-AGRICULTURAL POOL 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 10, 2016
TO: Overlying (Non-Agricultural) Pool Committee Members
SUBJECT: Calendar Year 2017 Overlying (Non-Agricultural) Pool Volume Vote (Business Item II.F.)

SUMMARY

Issue: Following the approval the Assessment Package each year, volume vote calculations for the new calendar year are performed and Parties are allocated a voting percentage.

Recommendation: Approve the Calendar Year 2017 Overlying (Non-Agricultural) Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

Financial Impact: None.

Future Consideration

Non-Agricultural Pool – November 10, 2016: Approve the Calendar Year 2017 Overlying (Non-Agricultural) Pool Volume Vote as presented subject to Advisory Committee and Board approval of the 2016/17 Assessment Package at the November 17, 2016 meetings.

ACTIONS:

November 10, 2016: Non-Agricultural Pool –

BACKGROUND

The Overlying (Non-Agricultural) Pool Volume Vote is updated and Parties are allocated a voting percentage at times when shares of Safe Yield are transferred among parties, and following the approval of the Assessment Package each year. The 2016/2017 Assessment Package is scheduled for Advisory Committee and Board approval on November 17, 2016.

The 2017 Overlying (Non-Agricultural) Pool Volume Vote allocation is attached (Attachment 1). The current year (2016) Volume Vote is also attached for reference (Attachment 2). 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.

DISCUSSION

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.

ATTACHMENTS

1. 2017 Overlying (Non-Agricultural) Pool Volume Vote Table
2. Current year (2016) (Overlying (Non-Agricultural) Pool Volume Vote Table

Peace II



Chino Basin Watermaster 2017 Non-Ag Pool Volume Vote

Assessment Year 2016-2017 (Production Year 2015-2016)
Share of Safe Yield as of July 14, 2016

	Assessable Production			Share of Safe Yield			TOTAL VOLUME VOTE
	Acre-Ft	Percentage	Votes	Acr- 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 Spe	299.502	8.801%	65.306	1,000.000	2.130	100.864	166.170
California Steel Industries, Inc. (CSI)	1,187.201	34.888%	258.868	1,615.137	3.440	161.782	420.650
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)	0.058	0.002%	0.013	0.000	0.000	0.000	0.013
Hamner Park Associates (Swan Lake MHP)	264.914	7.785%	57.764	464.240	0.989	46.937	104.701
Monte Vista Water District (Non-Ag)	12.581	0.370%	2.743	50.000	0.107	5.992	8.735
NRG California South LP	204.439	6.008%	44.578	954.540	2.033	95.871	140.448
Ontario, City of (Non-Ag)	1,235.830	36.317%	269.471	2,910.788	6.200	291.607	561.078
Praxair, Inc.	0.000	0.000%	0.000	1.000	0.002	0.999	0.999
Riboli Family / San Antonio Winery	3.952	0.116%	0.862	0.000	0.000	0.000	0.862
San Bernardino, County of (Chino Airport	43.133	1.268%	9.405	133.870	0.285	13.981	23.386
Southern California Edison Co. (SCE)	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Southern Service Co. (Angelica)	27.553	0.810%	6.008	18.789	0.040	1.997	8.005
Space Center Mira Loma, Inc.	93.708	2.754%	20.433	104.121	0.222	10.985	31.418
TAMCO	30.037	0.883%	6.550	15.000	0.032	1.997	8.547
West Venture Development Co.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
TOTAL	3,402.908	100.000%	742.000	7,350.343	15.656	742.000	1,484.000

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Chino Basin Watermaster 2016 Non-Ag Pool Volume Vote

2014/15 Production data from Assessment Package approved on June 23, 2016

Share of Safe Yield as of July 14, 2016

	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 Speedway)	454.248	10.482%	77.774	1,000.000	2.130	100.864	178.638
California Steel Industries, Inc. (CSI)	1,278.665	29.505%	218.926	1,615.137	3.440	161.782	380.708
Calmat Co., a Division of Vulcan Materials Co.	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)	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Hamner Park Associates (Swan Lake MHP)	277.282	6.398%	47.475	464.240	0.989	46.937	94.411
Kaiser Ventures, Inc.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
KCO, LLC / The Koll Company	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Loving Savior Of The Hills Lutheran Church	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Monte Vista Water District (Non-Ag)	0.000	0.000%	0.000	50.000	0.107	5.992	5.992
NRG California South LP	220.998	5.099%	37.838	954.540	2.033	95.871	133.709
Ontario, City of (Non-Ag)	1,856.735	42.844%	317.899	2,910.788	6.200	291.607	609.506
Praxair, Inc.	0.000	0.000%	0.000	1.000	0.002	0.999	0.999
Riboli Family / San Antonio Winery	7.062	0.163%	1.209	0.000	0.000	0.000	1.209
San Bernardino, County of (Chino Airport)	90.247	2.082%	15.452	133.870	0.285	13.981	29.433
Southern California Edison Co. (SCE)	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
Southern Service Co. (Angelica)	25.833	0.596%	4.423	18.789	0.040	1.997	6.420
Space Center Mira Loma, Inc.	93.708	2.162%	16.044	104.121	0.222	10.985	27.029
Sunkist Growers, Inc.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
TAMCO	28.975	0.669%	4.961	15.000	0.032	1.997	6.958
West Venture Development Co.	0.000	0.000%	0.000	0.000	0.000	0.000	0.000
TOTAL	4,333.753	100.000%	742.000	7,350.343	15.656	742.000	1,484.000

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (AGRICULTURAL POOL)

- F. WATER USE EFFICIENCY WITH FARMERS IN CHINO BASIN
(Presentation by IEUA – For Information Only)**



6075 Kimball Avenue • Chino, CA 91708
P.O. Box 9020 • Chino Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 993-1985
www.ieua.org

WATER-USE EFFICIENCY WITH FARMERS IN THE CHINO BASIN

Date: November 10, 2016

To: Agricultural Pool Committee Members

From: Inland Empire Utilities Agency

Summary:

Consistent with the Integrated Resources Water Plan developed for the region to provide long-term water resource planning, the Inland Empire Utilities Agency (IEUA) seeks to expand water efficiency efforts across basin users. Agricultural water users are experts at providing food and feed products for local users; IEUA would like to provide farmers with tools that can help with providing these valuable products while sustaining water supplies throughout the basin. This program offers soil moisture sensors, installation and training for participating farm sites in the Chino Basin.

IEUA would like the assistance of the Chino Basin Agricultural Pool to forward the soil moisture sensor program information to farmers who may be interested in participating.

Background:

Water users and providers across the Chino Basin work diligently to maintain water supplies that can sustain farming, residential development and a growing local economy. Imported water is becoming more expensive and less reliable. Farmers manage fields to maximize yields in the most cost-effective manner for their operations, and with this in mind IEUA and its partnering agencies' conservation programs strive to provide programs that sustain a safe yield of local water supplies and limit the need to import water. This helps keep the cost of water down for all users in the Inland Empire. This program seeks to extend water efficiency programs into an important water use sector in the Chino Basin.

It is understood that farms in the basin grow a wide range of crops, from seasonal fruit and vegetables to feed crops for local dairies. Water needs and irrigation systems vary from site to site. The one constant across all farms is the need to apply the necessary water within the crop root zone regardless of crop, soil type and changing weather. Efficient irrigation within the root zone can maintain plant health and vigor, maintain nutrients in the soil, maintain ground water quality and maintain/improve crop yields.

Proposed Program: *Water Smart – Thinking in Terms of Tomorrow*

Terry Catlin
President

Michael E. Camacho
Vice President

Steven J. Elie
Secretary/Treasurer

Jasmin A. Hall
Director

Paul Hofer
Director

P. Joseph Grindstaff
General Manager

IEUA, with technical assistance from the Natural Resources Conservation Service (NRCS), San Bernardino County, proposes to supply farmers with soil moisture sensors of their choice, not to exceed an estimated cost of \$300 per acre (unless special equipment is required), and that includes product features that can transmit soil moisture data directly to farm irrigators to facilitate effective irrigation.

How to Participate:

- Farmers contact IEUA to participate (see attached participation form)
- IEUA works with the farmer and NRCS to choose the type/brand of soil moisture sensor to best fit their needs
- IEUA solicit bids from manufacturers/distributors for equipment, installation and product assistance to farmers

What Farmers Receive:

- Free soil moisture sensors and related communication equipment (if needed)
- Two years of communication costs (if required) free
- Training on the installation and use of the sensors

What will Farmers be asked to do:

- Provide site information such as:
 - Acreage and crop type
 - Irrigation system type/water source
 - Crop rotation schedule
 - Water use (monthly or bi-monthly from water bills)
 - Maintain soil sensors
 - Yields per acre at harvest
- Agree to start and use sensors within three months of agreeing to participate
- Use the sensors to assist with irrigation for a minimum of two years

What else to know?

- No plant or crop rotation changes needed for participating in this program
- Farmers may keep and use the soil moisture sensors after the two year pilot program
- Data communication costs would revert to farmers after the two year pilot program
- IEUA believes a successful pilot demonstration program would need to be funded initially with \$100,000. *Supplemental funding may be added to the program based on the farmer interest and/or the ability to show water efficiency on participating sites.*

To get started contact:

Tom Ash
Inland Empire Utilities Agency
909.993.1897
tash@ieua.org

Chino Basin Soil Moisture Sensor Program Information Form

Contact Information:

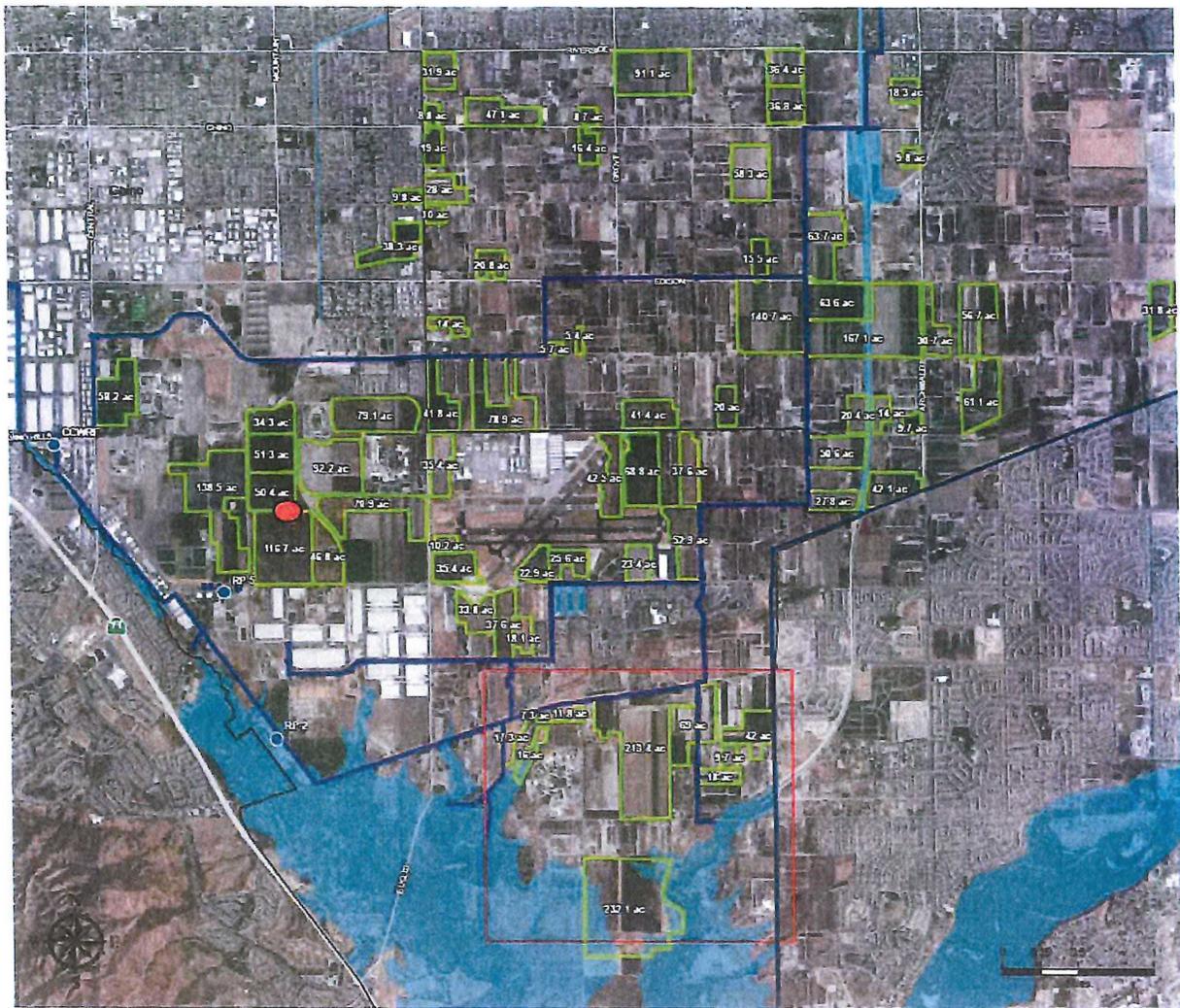
Name: _____
Street: _____
City: _____ Zip _____ Phone _____
Email _____

Water Sources: Wells (# on-site) _____ Potable: _____ Recycled: _____

Water Use: Estimated Water Use / Year _____ (CCF's or Acre Feet) Acres (for Soil Sensors) _____

Crop Type(s) & Rotation Cycle _____

Circle Where Your Farm(s) are generally located: (Future CIMIS ET station)



Contact: Tom Ash, Inland Empire Utilities Agency; 909.993.1897; tash@ieua.org

Chino Basin Soil Moisture Sensor Program for Farms

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CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for October 2016

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/04/2016	19714	HAZEL MURILLO	9/23/16 Heaing Transcript Fee	1012 · Bank of America Gen'l Ckg	
Bill	10/04/2016	9/23/16 Transcript		9/23/16 Heaing Transcript Fee	6046 · Legal Publications/Services	1,575.00
TOTAL						1,575.00
General Journal	10/08/2016	10/08/2016	Payroll and Taxes for 09/25/16-10/08/16	Payroll and Taxes for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	
				Direct Deposit for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	21,477.91
				Payroll Taxes for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	9,337.82
				Payroll Checks for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	4,496.92
			ICMA-RC	457(f) Employee Deductions for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	3,639.27
			ICMA-RC	401(a) Employee Deductions for 09/25/16-10/08/16	1012 · Bank of America Gen'l Ckg	1,059.87
TOTAL						40,011.79
Bill Pmt -Check	10/10/2016	19715	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	08/31/2016	652629		652629	6907.44 · SGMA Compliance	4,955.40
				Expenses	6907.44 · SGMA Compliance	10.00
Bill	08/31/2016	652630		652630	6907.42 · Safe Yield Recalculation	5,463.00
				Expenses	6907.42 · Safe Yield Recalculation	0.33
Bill	08/31/2016	652631		652631	6907.41 · Prado Basin Habitat Sustain	5,720.85
Bill	08/31/2016	652632		652632	6907.40 · Storage Agreements	879.75
Bill	08/31/2016	652633		652633	6907.39 · Recharge Master Plan	1,217.25
Bill	08/31/2016	652634		652634	6071 · BHFS Legal - Court Coordination	1,396.80
Bill	08/31/2016	652635		652635	8575 · BHFS Legal - Non-Ag Pool	2,524.50
Bill	08/31/2016	652636		652636	8475 · BHFS Legal - Agricultural Pool	2,524.50
Bill	08/31/2016	652637		652637	8375 · BHFS Legal - Appropriative Pool	2,677.50
Bill	08/31/2016	652638		652638	6375 · BHFS Legal - Board Meeting	5,879.70
Bill	08/31/2016	652639		652639	6275 · BHFS Legal - Advisory Committee	2,486.25
				Expenses	6275 · BHFS Legal - Advisory Committee	35.31
Bill	08/31/2016	652640		652640	6907.36 · Santa Ana River Habitat	372.60
Bill	08/31/2016	652641		652641	6907.34 · Santa Ana River Water Rights	5,255.55
Bill	08/31/2016	652642		Alvarez-CalPERS	6073 · BHFS Legal - Personnel Matters	9,190.80
				GM Contract	6073 · BHFS Legal - Personnel Matters	2,158.20
				Personnel	6073 · BHFS Legal - Personnel Matters	114.75
				Audit	6073 · BHFS Legal - Personnel Matters	121.50
Bill	08/31/2016	652643		652643	6078 · BHFS Legal - Miscellaneous	19,231.20
				Expenses	6078 · BHFS Legal - Miscellaneous	90.52
				Expenses	6375 · BHFS Legal - Board Meeting	375.00
				Expenses	8375 · BHFS Legal - Appropriative Pool	11.77
				Expenses	8475 · BHFS Legal - Agricultural Pool	11.77
				Expenses	8575 · BHFS Legal - Non-Ag Pool	11.77
TOTAL						72,716.57

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
October 2016

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/13/2016	ACH 101316	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	10/08/2016	10/08/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 09/25/16-10/08/16	2000 · Accounts Payable	5,924.14
TOTAL						<u>5,924.14</u>
Bill Pmt -Check	10/17/2016	19716	ACWA JOINT POWERS INSURANCE AUTHORITY	0438473	1012 · Bank of America Gen'l Ckg	
Bill	10/03/2016	0438473		Prepayment - November 2016	1409 · Prepaid Life, BAD&D & LTD	132.25
				October 2016	60191 · Life & Disab.Ins Benefits	144.48
TOTAL						<u>276.73</u>
Bill Pmt -Check	10/17/2016	19717	APPLIED COMPUTER TECHNOLOGIES	2722	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	2722		Database Consulting Services - September 2016	6052.2 · Applied Computer Technol	3,314.80
TOTAL						<u>3,314.80</u>
Bill Pmt -Check	10/17/2016	19718	BOWMAN, JIM	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>125.00</u>
P154 Bill Pmt -Check	10/17/2016	19719	CORELOGIC INFORMATION SOLUTIONS	81734512	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	81734512		81734512	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81734512	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
Bill Pmt -Check	10/17/2016	19720	CURATALO, JAMES	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/13/2016	9/13 Workshop		9/13/16 Workshop	6311 · Board Member Compensation	125.00
Bill	09/19/2016	9/19 Agenda Preview		9/19/16 Board Agenda Preview	6311 · Board Member Compensation	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						<u>375.00</u>
Bill Pmt -Check	10/17/2016	19721	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				9/08/16 Ag Pool Mtg	8470 · Ag Meeting Attend -Special	100.00
Bill	09/21/2016	9/21 Special Ag Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				9/21/16 Special Ag Pool Mtg	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>250.00</u>
Bill Pmt -Check	10/17/2016	19722	EGOSCUE LAW GROUP	11427	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	11427		Ag Pool Legal Services - September 2016	8467 · Ag Legal & Technical Services	32,042.50
TOTAL						<u>32,042.50</u>

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/17/2016	19723	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/09/2016	9/09 Mtg w/PK		9/09/16 Meeting with PK	6311 · Board Member Compensation	125.00
Bill	09/13/2016	9/13 Workshop		9/13/16 Workshop	6311 · Board Member Compensation	125.00
Bill	09/19/2016	9/19 Agenda Mtg		9/19/16 Board Agenda review call	6311 · Board Member Compensation	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	6311 · Board Member Compensation	125.00
Bill	09/27/2016	9/27 Call w/counsel		9/27/16 call w/WWM counsel	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	10/17/2016	19724	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	L0278510		L0278510	7103.5 · Grdwtr Qual-Lab Svcs	848.00
Bill	09/30/2016	L0282960		L0282960	7103.5 · Grdwtr Qual-Lab Svcs	1,056.00
Bill	09/30/2016	L0283867		L0283867	7103.5 · Grdwtr Qual-Lab Svcs	573.00
Bill	09/30/2016	L0284942		L0284942	7108.41 · Hydraulic Control - PBHSP	2,512.00
Bill	09/30/2016	L0283866		L0283866	7108.41 · Hydraulic Control - PBHSP	3,140.00
Bill	09/30/2016	L0283863		L0283863	7108.41 · Hydraulic Control - PBHSP	3,140.00
Bill	09/30/2016	L0282961		L0282961	7108.41 · Hydraulic Control - PBHSP	2,512.00
TOTAL						13,781.00
Bill Pmt -Check	10/17/2016	19725	FEDAK & BROWN LLP	Progress Billing	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016			September 2016	6062 · Audit Services	1,000.00
TOTAL						1,000.00
Bill Pmt -Check	10/17/2016	19726	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		9/08/09 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/13/2016	9/13 Workshop		9/13/16 Workshop	8470 · Ag Meeting Attend -Special	125.00
Bill	09/21/2016	9/21 Special Ag Pool		9/21/16 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/23/2016	9/23 Court Hearing		9/23/16 Court Hearing	8485 · Ag Pool - Misc. Expense-Ag Fund	125.00
TOTAL						625.00
Bill Pmt -Check	10/17/2016	19727	HOGAN LOVELLS	3015868	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	3015868		Non-Ag Pool Legal Services - August 2016	8567 · Non-Ag Legal Service	3,248.70
TOTAL						3,248.70
Bill Pmt -Check	10/17/2016	19728	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				9/08/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	09/21/2016	9/21 Special Ag Mtg		Ag Pool Member Compensation	8411 · Compensation	25.00
				9/21/16 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						250.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/17/2016	19729	JOHN J. SCHATZ	Legal Services	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016			Appropriative Pool Legal Services - Aug. 2016	8367 · Legal Service	5,224.00
Bill	09/30/2016			Appropriative Pool Legal Services - Sep. 2016	8367 · Legal Service	<u>7,710.00</u>
TOTAL						12,934.00
Bill Pmt -Check	10/17/2016	19730	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Appro Pool Mtg		9/08/16 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
Bill	09/12/2016	9/12 Mtg w/Pk		9/12/16 Meeting w/Pk	6311 · Board Member Compensation	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	6311 · Board Member Compensation	125.00
Bill	09/27/2016	9/27 Check Signing		9/27/16 Admin Meeting at WM	6311 · Board Member Compensation	<u>125.00</u>
TOTAL						500.00
Bill Pmt -Check	10/17/2016	19731	MINDSHIFT	IT Managed Services	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	0229400		Cisco Smart Net Premium - service agreement	6055 · Computer Hardware	226.80
Bill	09/30/2016	0229303		CommVault setup fee	6052.5 · mindSHIFT-Data Backup/Storage	693.00
Bill	10/01/2016	0230390		Backup Services	6052.5 · mindSHIFT-Data Backup/Storage	792.00
				Monthly IT Managed Services	6052.4 · mindSHIFT Technologies, Inc.	<u>3,770.00</u>
TOTAL						5,481.80
Bill Pmt -Check	10/17/2016	19732	PAYCHEX	2016092900	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	2016092900		September 2016	6012 · Payroll Services	338.61
TOTAL						<u>338.61</u>
Bill Pmt -Check	10/17/2016	19733	PIERSON, JEFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		9/08/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/15/2016	9/15 Advisory Comm		9/15/16 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/15/2016	9/15 RIPCom Mtg		9/15/16 RIPCom Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/21/2016	9/21 Special Ag Mtg		9/21/16 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/23/2016	9/23 Court Hearing		9/23/16 Court Hearing	8485 · Ag Pool - Misc. Expense-Ag Fund	<u>125.00</u>
TOTAL						750.00
Bill Pmt -Check	10/17/2016	19734	PITNEY BOWES CREDIT CORPORATION	3100681771	1012 · Bank of America Gen'l Ckg	
Bill	10/03/2016	3100681771		Postage meter lease	6044 · Postage Meter Lease	402.84
TOTAL						<u>402.84</u>
Bill Pmt -Check	10/17/2016	19735	PREMIERE GLOBAL SERVICES	22058001	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	22058001		WM coordination call on 8/29	6909.1 · OBMP Meetings	12.81
				SB 88 compliance call on 8/29	6909.1 · OBMP Meetings	16.17

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Ag Pool Special Meeting call on 8/31	8412 · Meeting Expenses	6.12
				Ag Pool Special Meeting call on 8/31	8412 · Meeting Expenses	26.96
				Pools agenda prep call on 9/06	8312 · Meeting Expenses	2.04
				Pools agenda prep call on 9/06	8412 · Meeting Expenses	2.04
				Pools agenda prep call on 9/06	8512 · Meeting Expense	2.04
				Pools agenda prep call on 9/06	8312 · Meeting Expenses	2.04
				Pools agenda prep call on 9/06	8412 · Meeting Expenses	2.04
				Pools agenda prep call on 9/06	8512 · Meeting Expense	2.04
				Pools meeting check call on 9/07	8312 · Meeting Expenses	2.15
				Pools meeting check call on 9/07	8412 · Meeting Expenses	2.14
				Pools meeting check call on 9/07	8512 · Meeting Expense	2.14
				Appropriative Pool agenda call on 9/07	8312 · Meeting Expenses	18.77
				Non-Ag Pool meeting call on 9/08	8512 · Meeting Expense	20.64
				Workshop coordination call on 9/09	6909.1 · OBMP Meetings	12.79
				Workshop coordination call on 9/09	6909.1 · OBMP Meetings	9.07
				Workshop coordination call on 9/09	6909.1 · OBMP Meetings	12.45
				MIndshift follow-up call on 9/14	6052.4 · mindSHIFT Technologies, Inc.	6.13
				MIndshift follow-up call on 9/14	6052.4 · mindSHIFT Technologies, Inc.	8.97
				Board agenda call on 9/19	6312 · Meeting Expenses	6.13
				Board agenda call on 9/19	6312 · Meeting Expenses	13.58
				Tentative rulings call on 9/20 w/legal counsel	6078.11 · Safe Yield Recalculation	11.13
				SY hearing prep call on 9/21 w/legal counsel	6078.11 · Safe Yield Recalculation	6.86
				SY hearing prep call on 9/21 w/legal counsel	6078.11 · Safe Yield Recalculation	37.25
				WM coordination call on 9/26	6909.1 · OBMP Meetings	6.14
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				Fee - Service	6022 · Telephone	8.79
						<u>357.43</u>
TOTAL						
Bill Pmt -Check	10/17/2016	19736	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2016	1394905143		Annual Unfunded Accrued Liability	60180 · Employers PERS Expense	3,590.95
						<u>3,590.95</u>
TOTAL						
Bill Pmt -Check	10/17/2016	19737	RAUCH COMMUNICATION CONSULTANTS, LLC	Sep-1605	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	Sep-1605		Work thru August 31, 2016	6061.3 · Rauch	6,060.00
						<u>6,060.00</u>
TOTAL						
Bill Pmt -Check	10/17/2016	19738	RR FRANCHISING, INC.	28736	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2016	28736		Monthly service charge 10/01/16-11/30/16	6024 · Building Repair & Maintenance	740.00
						<u>740.00</u>
TOTAL						

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/17/2016	19739	STAPLES BUSINESS ADVANTAGE	8041257390	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2016	8041257390		Miscellaneous office supplies	6031.7 · Other Office Supplies	136.70
TOTAL						136.70
Bill Pmt -Check	10/17/2016	19740	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	7076224530355049		September 2016	6175 · Vehicle Fuel	179.39
TOTAL						179.39
Bill Pmt -Check	10/17/2016	19741	VANDEN HEUVEL, GEOFFREY	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		9/08/16 Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	09/21/2016	9/21 Special Ag Mtg		9/21/16 Special Ag Pool Meeting	6311 · Board Member Compensation	125.00
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	10/17/2016	19742	VANDEN HEUVEL, ROB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/08/2016	9/08 Ag Pool Mtg		9/08/16 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/21/2016	9/21 Special Ag Mtg		9/21/16 Special Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	09/23/2016	9/23 Court Hearing		9/23/16 Court Hearing	8485 · Ag Pool - Misc. Expense-Ag Fund	125.00
TOTAL						375.00
Bill Pmt -Check	10/17/2016	19743	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	09/22/2016	9/22 Board Mtg		9/22/16 Board Meeting - Don Galleano attendance	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	10/17/2016	19744	YSI INCORPORATED	660936	1012 · Bank of America Gen'l Ckg	
Bill	09/26/2016	660936		Cond Calibrator Solution	7103.6 · Grdwtr Qual-Supplies	167.64
TOTAL						167.64
Bill Pmt -Check	10/17/2016	19745	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	
Bill	10/01/2016	08-k2 213849		October 2016	6024 · Building Repair & Maintenance	111.57
TOTAL						111.57
Bill Pmt -Check	10/20/2016	19746	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	XXXX-XXXX-XXXX-9341		Purchase miscellaneous office supplies	6031.7 · Other Office Supplies	525.87
				Purchase report covers for workshop	6031.7 · Other Office Supplies	76.53
				Purchase CVI Report for candidate	6031.7 · Other Office Supplies	47.46
				Membership-Joswiak-Society for HR Management	6111 · Membership Dues	180.54
				Staff meeting re candidate discussion	6016 · New Employee Search Costs	58.78
				Ad in BC - Water Resources Professional	6016 · New Employee Search Costs	95.02

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TOTAL

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<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
				Lunch for staff development day	6141.3 · Admin Meetings	194.00
				Shipments to D. Maurizio	6042 · Postage - General	81.49
				Shipment to D. Maurizio	6042 · Postage - General	24.94
				Subscription for Chino Champion newspaper	6112 · Subscriptions/Publications	33.26
				PK meeting w/Steve Elie	6312 · Meeting Expenses	43.64
				PK meeting w/Bob Kuhn	6312 · Meeting Expenses	10.81
				Lunch-9/13/16 Committees/Board Roles Workshop	6909.1 · OBMP Meetings	609.07
				PK meeting w/Brian Geye	8512 · Meeting Expense	53.34
				"The Speed of Trust: The One Thing That Changes"	6031.7 · Other Office Supplies	14.54
				Purchase chair gliders for office	6031.7 · Other Office Supplies	13.29
				Purchase pies for staff meeting	6141.3 · Admin Meetings	24.61
				PK meeting w/Celeste Cantu	6909.1 · OBMP Meetings	36.28
				Lunch-9/23/16 counsel meeting before SY court	6906.72 · OBMP-Data Req.-Non CBWM Staff	34.17
				Lunch-9/23/16 counsel meeting before SY court	6906.72 · OBMP-Data Req.-Non CBWM Staff	8.54
				Purchase sheet protectors for office	6031.7 · Other Office Supplies	9.64
				Lunch for 10/05/16 Special Ag Pool Meeting	8485 · Ag Pool - Misc. Expense-Ag Fund	162.46
TOTAL						<u>2,336.28</u>
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Bill Pmt -Check	10/20/2016	19747	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016	1394905143		Medical Insurance Premium	60182.1 · Medical Insurance	6,879.75
TOTAL						<u>6,879.75</u>
Bill Pmt -Check	10/20/2016	19748	CUCAMONGA VALLEY WATER DISTRICT	Lease due November 1, 2016	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016			Lease due November 1, 2016 (includes increase)	1422 · Prepaid Rent	6,447.61
				Lease increase for October 2016 - Increase	1422 · Prepaid Rent	76.45
TOTAL						<u>6,524.06</u>
Bill Pmt -Check	10/20/2016	19749	FIRST LEGAL NETWORK LLC	40005992	1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	40005992		40005992	6061.5 · Court Filing Services	646.24
TOTAL						<u>646.24</u>
Bill Pmt -Check	10/20/2016	19750	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016	90948438900509145		Office fax	6022 · Telephone	140.99
TOTAL						<u>140.99</u>
Bill Pmt -Check	10/20/2016	19751	INLAND EMPIRE UTILITIES AGENCY		1012 · Bank of America Gen'l Ckg	
Bill	10/10/2016	1800002975		GWR SCADA System Upgrades Project Inv. #4	7690.61 · GWR SCADA Upgrades (TO #4)	27,867.11
Bill	10/10/2016	1800002977		RMPU Yield Enhancement Project Inv. #2	7690.15 · RMPU Amend. Yield (TO #1)	164,824.65
Bill	10/10/2016	180000978		San Sevaine Basin Improvements Project Inv. #3	7690.4 · San Sevaine Recharge (TO # 8)	36,911.18
Bill	10/10/2016	1800002976		Lower Day Improvements Project Inv. #3	7690.8 · Lower Day Basin RMPU (TO #2)	30,056.77

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Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						259,659.71
Bill Pmt -Check	10/20/2016	19752	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016	0111802		Employee deductions - October 2016	60194 · Other Employee Insurance	79.70
						<u>79.70</u>
TOTAL						
Bill Pmt -Check	10/20/2016	19753	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	10/31/2016				60182.4 · Retiree Medical	23.62
						<u>23.62</u>
TOTAL						
Bill Pmt -Check	10/20/2016	19754	UNITED HEALTHCARE	0041842716	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016	004182716		Dental Insurance Premium - November 2016	60182.2 · Dental & Vision Ins	688.74
						<u>688.74</u>
TOTAL						
Bill Pmt -Check	10/20/2016	19755	VERIZON WIRELESS	9773115114	1012 · Bank of America Gen'l Ckg	
Bill	10/18/2016	9773115114		Acct #470810953-00001	6022 · Telephone	196.37
						<u>196.37</u>
TOTAL						
P160	General Journal	10/22/2016	10/22/2016	Payroll and Taxes for 10/09/16-10/22/16	Payroll and Taxes for 10/09/16-10/22/16	1012 · Bank of America Gen'l Ckg
					Direct Deposits for 10/09/16-10/22/16	1012 · Bank of America Gen'l Ckg
					Payroll Taxes for 10/09/16-10/22/16	1012 · Bank of America Gen'l Ckg
					Payroll Checks for 10/09/16-10/22/16	1014 · Bank of America P/R Ckg
				ICMA-RC	457(b) Employee Deductions for 10/09/16-10/22/16	1012 · Bank of America Gen'l Ckg
				ICMA-RC	401(a) Employee Deductions for 10/09/16-10/22/16	1012 · Bank of America Gen'l Ckg
						<u>40,678.13</u>
TOTAL						
Bill Pmt -Check	10/25/2016	19756	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	09/30/2016	653882		Workshop-09/13/16	6375.1 · Watermaster Board Workshop(s)	22,473.45
				Board	6375 · BHFS Legal - Board Meeting	421.20
				653882	6078 · BHFS Legal - Miscellaneous	7,667.10
				Expenses	6375 · BHFS Legal - Board Meeting	375.00
				Expenses	8375 · BHFS Legal - Appropriative Pool	11.77
				Expenses	8475 · BHFS Legal - Agricultural Pool	11.77
				Expenses	8575 · BHFS Legal - Non-Ag Pool	11.77
				Workshop Expenses	6375.1 · Watermaster Board Workshop(s)	635.31
				Expenses	6078 · BHFS Legal - Miscellaneous	259.05
Bill	09/30/2016	653881		Alvarez-CalPERS	6073 · BHFS Legal - Personnel Matters	9,880.65
				Personnel	6073 · BHFS Legal - Personnel Matters	40.50
Bill	09/30/2016	653880			6907.34 · Santa Ana River Water Rights	1,461.15
Bill	09/30/2016	653879			6275 · BHFS Legal - Advisory Committee	841.50
Bill	09/30/2016	653878			6375 · BHFS Legal - Board Meeting	3,755.70

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Type	Date	Num	Name	Memo	Account	Paid Amount
				Expenses	6375 · BHFS Legal - Board Meeting	35.31
				Expenses	6275 · BHFS Legal - Advisory Committee	35.31
Bill	09/30/2016	653877		653877	8375 · BHFS Legal - Appropriative Pool	1,147.50
Bill	09/30/2016	653876		653876	8475 · BHFS Legal - Agricultural Pool	2,677.50
Bill	09/30/2016	653875		653875	8575 · BHFS Legal - Non-Ag Pool	1,147.50
Bill	09/30/2016	653874		653874	6071 · BHFS Legal - Court Coordination	4,054.50
Bill	09/30/2016	653873		653873	6907.39 · Recharge Master Plan	650.25
Bill	09/30/2016	653872		653872	6907.41 · Prado Basin Habitat Sustain	181.80
Bill	09/30/2016	653871		Expenses	6907.42 · Safe Yield Recalculation	185.31
				653871	6907.42 · Safe Yield Recalculation	54,915.30
				653871	6375 · BHFS Legal - Board Meeting	157.95
				Expenses	6375 · BHFS Legal - Board Meeting	150.00
TOTAL						113,184.15
			WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
Bill Pmt -Check	10/25/2016	19757			6906.31 · OBMP-Pool, Adv. Board Mtgs	8,553.57
Bill	09/30/2016	2016321		2016321	6906.32 · OBMP-Other General Meetings	2,413.10
Bill	09/30/2016	2016322		2016322	6910.20 · RMPU - MPI Analysis	34,431.70
Bill	09/30/2016	2016323		2016323	6906.71 · OBMP-Data Req.-CBWM Staff	1,944.00
Bill	09/30/2016	2016324		2016324	6906.71 · OBMP-Data Req.-CBWM Staff	13,400.00
				Contracted Services	6906.71 · OBMP-Data Req.-CBWM Staff	11,557.67
Bill	09/30/2016	2016325		2016325	6906.72 · OBMP-Data Req.-Non CBWM Staff	2,820.90
Bill	09/30/2016	2016326		2016326	6906.22 · Water Rights Compliance Rprting	1,098.75
Bill	09/30/2016	2016327		2016327	6906 · OBMP Engineering Services	1,634.30
Bill	09/30/2016	2016328		2016328	6906.1 · OBMP-Watermaster Model Update	10,947.75
Bill	09/30/2016	2016329		2016329	6906.24 · Compliance-SB88 and SWRCB	1,575.00
Bill	09/30/2016	2016330		2016330	6906.81 · Prepare 38th/39th Annual Rpts	11,612.20
Bill	09/30/2016	2016331		2016331	7103.3 · Grdwtr Qual-Engineering	14,422.75
Bill	09/30/2016	2016332		2016332	7104.3 · Grdwtr Level-Engineering	11,222.65
Bill	09/30/2016	2016333		2016333	7107.2 · Grd Level-Engineering	1,440.29
Bill	09/30/2016	2016334		2016334	7108.3 · Hydraulic Control-Engineering	1,667.50
Bill	09/30/2016	2016335		2016335	7108.31 · Hydraulic Control - PBHSP	27,142.05
Bill	09/30/2016	2016336		2016336	7202.2 · Engineering Svc	3,297.94
Bill	09/30/2016	2016337		2016337	7402 · PE4-Engineering	21,782.34
Bill	09/30/2016	2016338		2016338	7402.10 · PE4 - Northwest MZ1 Area Proj.	24,484.85
Bill	09/30/2016	2016339		2016339	7502 · PE6&7-Engineering	1,274.00
Bill	09/30/2016	2016340		2016340	7602 · PE8&9-Engineering	5,374.22
Bill	09/30/2016	2016341		2016341	6910.14 · Truing-Up 2013 RMPU Estimates	17,017.25
Bill	09/30/2016	2016342		2016342		
TOTAL						231,114.78

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For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	10/27/2016	ACH 102716	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	10/22/2016	10/22/2016	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 10/09/16-10/22/16	2000 · Accounts Payable	5,924.14
TOTAL						5,924.14
Total Disbursements:						876,968.82

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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 20, 2016 @ 9:30 a.m.

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

Topics:

1. Introductions
2. New/Old Projects consideration
 - a) Open forum for potential new projects
3. IEUA/CBWM joint projects
 - a) 2013 RMPU Projects Q & A
 - b) Status updates
 - c) Budget updates
4. RMPU Implementation updates
 - a) Sustainability projects
 - b) Contact with sand and gravel companies – (No updates)
 - c) AP New Yield and cost allocation agreement - (No Updates)
 - d) Flood Control and water conservation agreement – (No Updates)
 - e) Agreement with property owners – (No updates)
 - f) MS4

Next Meeting Date: Thursday, November 17, 2016 @ 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	Anticipated (Or Actual) Project 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) ³	Construction	2/14/2017	\$ 268,225	\$ 892,000	\$ -	\$ 892,000	50%	50%	\$ 139,650	\$ 376,175	\$ 421,875	\$ 113,116	\$ 263,059	\$ 113,116	\$ 103,857	\$ 318,018
COMMUNICATION Upgrades (Task No. 3)	Completed	2/12/2016	\$ 1,227,096	\$ 1,245,000	\$ 1,227,096	\$ 1,227,096	50%	50%	\$ 192,850	\$ 517,123	\$ 517,123	\$ 517,123	\$ -	\$ 517,123	\$ 526,075	\$ (8,952)
Upper Santa Ana River Habitat Conservation Plan (Task No. 7)	Investigation	6/30/2017	\$ 84,326	\$ 160,000	\$ -	\$ 160,000	50%	50%	\$ -	\$ 80,000	\$ 80,000	\$ 42,163	\$ 37,837	\$ 42,163	\$ 42,163	\$ 37,837
East Declerz Basin (1st Amendment - Task No. 1)	Canceled	4/7/2016	\$ 111,353	\$ -	\$ -	\$ 3,665,000 *	-	100%	\$ -	\$ -	\$ 114,000	\$ -	\$ -	\$ 111,353	\$ 109,982	\$ 4,018
SUBTOTAL PRE-RMPU PROJECTS	---	---	\$ 1,691,000	\$ 2,297,000	\$ 1,227,096	\$ 5,944,096	---	---	\$ 332,500	\$ 973,298	\$ 1,132,998	\$ 672,402	\$ 300,896	\$ 783,755	\$ 782,077	\$ 350,921
RMPU Projects																
San Sevaine Improvements (Task No. 8)	Design	4/20/2018	\$ 570,430	\$ 2,500,000	\$ -	\$ 6,460,000	50%	50%	\$ 1,125,000	\$ 2,667,500	\$ 2,667,500	\$ 235,545	\$ 2,431,955	\$ 235,545	\$ 241,317	\$ 2,426,183
2013 RMPU Amendment Yield Enhancement Projects (Task No. 1)	Pre-Design	12/15/2017	\$ 629,490	\$ 8,122,500	\$ -	\$ 3,825,500 **	7%	93%	\$ -	\$ 250,250	\$ 3,575,250	\$ 41,179	\$ 209,071	\$ 588,311	\$ 102,480	\$ 3,472,770
Lower Day Basin RMPU Improvement Project (Task No. 2)	Pre-Design	9/27/2018	\$ 218,413	\$ 2,480,000	\$ -	\$ 2,480,000	0%	100%	\$ 1,125,000	\$ -	\$ 1,355,000	\$ -	\$ -	\$ 119,335	\$ 186,301	\$ 1,168,699
2013 RMPU Amendment Yield Enhancement Projects Construction	Pending - Note ¹	6/30/2020	\$ -	\$ -	\$ 38,622,500	\$ -	0%	100%	\$ -	\$ -	\$ 38,622,500	\$ -	\$ -	\$ -	\$ -	\$ 38,622,500
2013 RMPU Amendment - Victoria Basin Construction	Pending - Note ²	6/30/2019	\$ -	\$ -	\$ 130,000	\$ -	50%	50%	\$ -	\$ 65,000	\$ 65,000	\$ -	\$ 65,000	\$ -	\$ -	\$ 65,000
2013 RMPU Amendment - RP-3 Construction	Pending - Note ²	6/30/2020	\$ -	\$ -	\$ 3,300,000	\$ -	50%	50%	\$ -	\$ 1,650,000	\$ 1,650,000	\$ -	\$ 1,650,000	\$ -	\$ -	\$ 1,650,000
SUBTOTAL RMPU PROJECTS	---	---	\$ 1,418,333	\$ 13,102,500	\$ 42,052,500	\$ 12,765,500	---	---	\$ 2,250,000	\$ 4,632,750	\$ 47,935,250	\$ 276,724	\$ 4,356,026	\$ 943,191	\$ 530,098	\$ 47,405,152
GRAND TOTALS	---	---	\$ 3,109,333	\$ 15,399,500	\$ 43,279,596	\$ 18,709,596	---	---	\$ 2,582,500	\$ 5,606,048	\$ 49,068,248	\$ 949,126	\$ 4,656,922	\$ 1,726,946	\$ 1,312,175	\$ 47,756,073

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. Second Amendment to Task Order No. 1 eliminated the East Declerz Project of \$3,665,000 and adds \$114,000 due from CBWM for feasibility study.

** 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. Second Amendment to Task Order No. 1 (\$3,825,500 + \$114,000 = \$3,939,500).

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.

³ Watermaster Board approved an additional amount of \$45,700 (50% of the anticipated additional costs of \$91,400) on November 25, 2014 for the Programmable Logic Controller (PLC) replacements at the five Rubber Dam/Basin systems.

Updated: 10/14/2016

Recharge Investigation and Projects Committee, PAGE 2 OF 2

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Project Name	CBWM Fiscal Year 2016/17										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 2017/18	Fiscal Year 2017/18	Fiscal Year 2018/19	Fiscal Year 2019/20	Fiscal Year 2020/21	
Pre RMPU Ongoing Projects															
GWR SCADA Upgrades (7690.61) (Task No. 4)	\$ 318,018	\$ -	\$ -	\$ 318,018	\$ -	\$ 318,018	\$ -	\$ 318,018	No	\$ -	\$ -	\$ -	\$ -	\$ -	
COMMUNICATION Upgrades (7690.62) (Task No. 3)	\$ (8,952)	\$ -	\$ -	\$ (8,952)	\$ -	\$ (8,952)	\$ -	\$ (8,952)	No	\$ -	\$ -	\$ -	\$ -	\$ -	
CB20 Noise Mitigation (7690.5) COMPLETED	\$ 860	\$ -	\$ -	\$ 860	\$ -	\$ -	\$ 860	\$ -	No	\$ -	\$ -	\$ -	\$ -	\$ -	
Upper Santa Ana River Habitat Conservation Plan (7690.7) (Task No. 7)	\$ 37,837	\$ -	\$ -	\$ 37,837	\$ -	\$ 37,837	\$ -	\$ 37,837	No	\$ -	\$ -	\$ -	\$ -	\$ -	
East Declez Basin (1st Amendment - Task No. 1)	\$ -	\$ 114,000	\$ -	\$ 114,000	\$ 109,982	\$ 4,018	\$ -	\$ 4,018	No	\$ -	\$ -	\$ -	\$ -	\$ -	
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	\$ 425,019	\$ 114,000	\$ -	\$ 539,019	\$ 109,982	\$ 350,921	\$ 78,116	\$ 350,921	No	\$ -	\$ -	\$ -	\$ -	\$ -	
RMPU Projects															
San Sevaine Improvements (7690.4) (Task No. 8)	\$ 1,360,583	\$ 1,065,600	\$ -	\$ 2,426,183	\$ -	\$ 2,426,183	\$ -	\$ 2,426,183	No	\$ -	\$ -	\$ -	\$ -	\$ -	
2013 RMPU Amendment Yield Enhancement Projects (7690.15) (Task No. 1)	\$ 467,270	\$ 1,550,000	\$ -	\$ 2,017,270	\$ -	\$ 2,017,270	\$ -	\$ 3,472,770	Yes	\$ -	\$ 1,455,500	\$ -	\$ -	\$ -	
Lower Day Basin RMPU Improvement Project (7690.8) (Task No. 2)	\$ 2,699	\$ 140,000	\$ -	\$ 142,699	\$ -	\$ 142,699	\$ -	\$ 1,168,699	Yes	\$ -	\$ 1,026,000	\$ -	\$ -	\$ -	
2013 RMPU Amendment Yield Enhancement Projects Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,622,500	Yes	\$ -	\$ 8,300,000	\$ 22,022,500	\$ 8,300,000	\$ -	
Victoria Basin Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000	Yes	\$ -	\$ 32,500	\$ 32,500	\$ -	\$ -	
RP-3 Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650,000	Yes	\$ -	\$ 325,000	\$ 825,000	\$ 500,000	\$ -	
SUBTOTAL RMPU PROJECTS	\$ 1,830,552	\$ 2,755,600	\$ -	\$ 4,586,152	\$ -	\$ 4,586,152	\$ -	\$ 47,405,152	---	\$ -	\$ 11,139,000	\$ 22,880,000	\$ 8,800,000	\$ -	
GRAND TOTALS	\$ 2,255,571	\$ 2,869,600	\$ -	\$ 5,125,171	\$ 109,982	\$ 4,937,073	\$ 78,116	\$ 47,756,073	---	\$ -	\$ 11,139,000	\$ 22,880,000	\$ 8,800,000	\$ -	

NOTES:

¹ \$78,116 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. CB20 Noise Mitigation Project of \$860; Wineville Project of \$35,398; Jurupa Pump Station of \$37,981; and Hickory Basin of \$3,877 = \$78,116.

Updated: 10/14/2016

Non-RMPU Ongoing Projects



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**GWR AND RW SCADA UPGRADES
PROJECT NO. EN14047
STATUS UPDATE: OCTOBER 3, 2016**

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 (RW) and groundwater recharge (GWR) 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		\$268,225		
<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	\$450	\$422
Design	02/26/14	01/15/16	Completed	\$192,312	\$186,512
Permits	09/12/14	01/15/16	Completed	\$50	\$42
Bid and Award	01/18/16	04/20/16	Completed	\$4,000	\$3,461
Construction	04/21/16	02/14/17	In Progress	\$413,678*	\$77,788
				<u>\$610,490</u>	<u>\$268,225</u>

*Received bids reduced projected construction cost.

Grant/Loan Update:

Awarded 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:

Since the contract award to Trimax Systems, Inc. Trimax has been delinquent in meeting the following contract requirements:

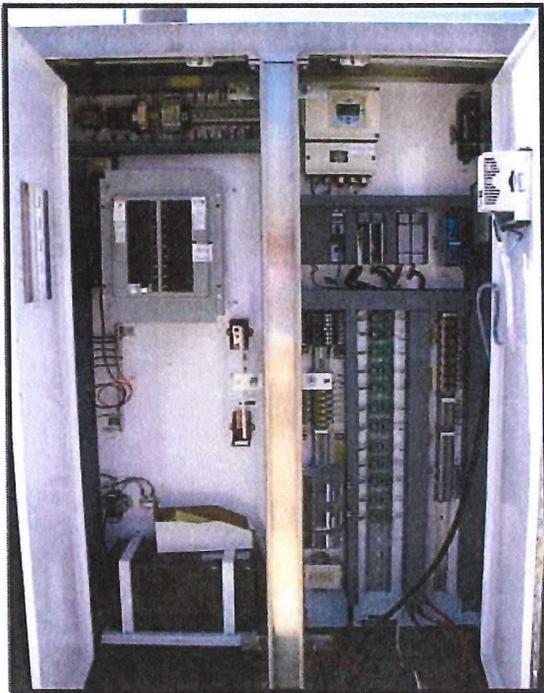
- Providing a satisfactory project plan as required in Section 17010 (amended by Addendum No.1) of contract bid documents. Failure to complete this critical submittal will place Trimax non-compliant with contractual requirements.

- Sending shop drawing submittals on major documents: programming plan, hardware and software components, PLC panel layout drawings, and equipment submittals on the new HMI. Further delays in these submittals will only extend Trimax's work schedule beyond the contract terms and result in assessment of liquidated damages.

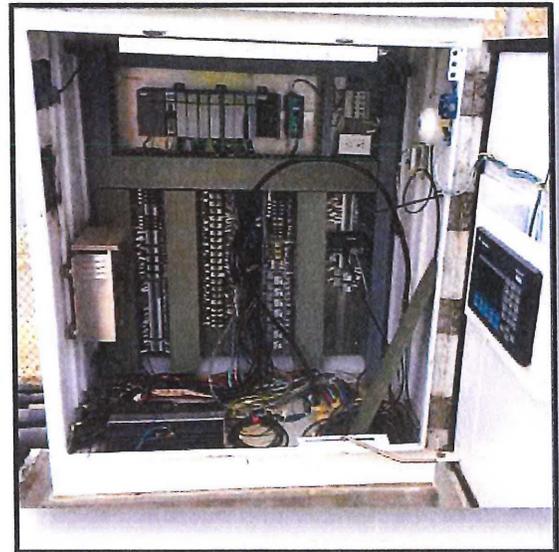
On September 29, 2016 the IEUA's project manager and construction manager met with Trimax's management group to address and resolve these concerns. The meeting resulted with Trimax committing to additional resources so that the project completes as scheduled. Staff will continue to monitor the situation and immediately address any further delays.

On June 2, 2016, Trimax held their initial workshop to present and discuss the approach on implementing the SCADA upgrades. Additional planning workshops are scheduled for October 13 and 28.

Project Photos:



San Sevaine Turnout control panel



Turner Basin control panel



**UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN
PROJECT NO. RW15002
STATUS UPDATE: OCTOBER 3, 2016**

The purpose of the Habitat Conservation Plan (HCP) 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	\$84,326

<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	\$84,326
				\$160,000	\$84,326

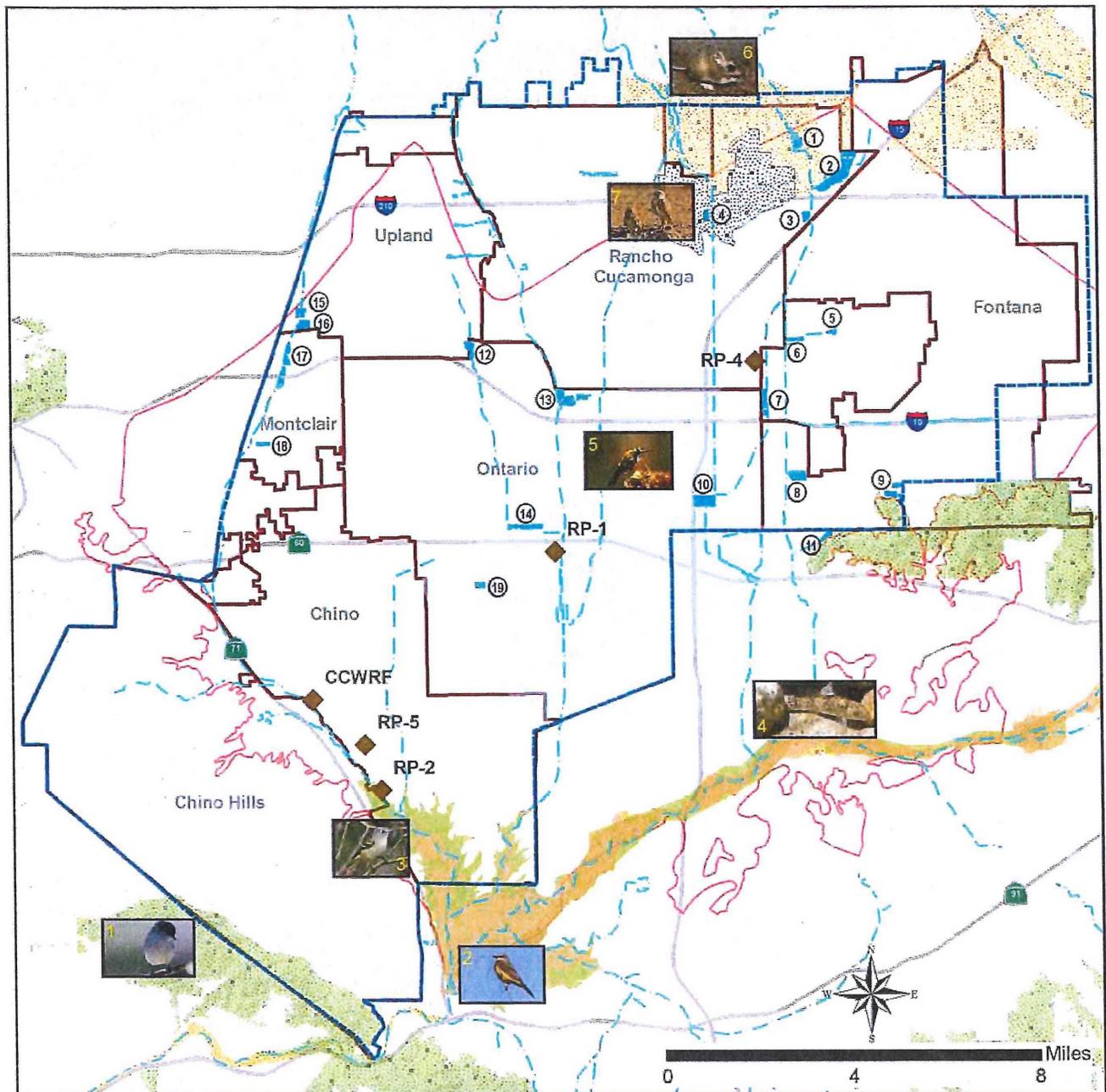
Cost Sharing Document: Task Order No. 7 of the Master Agreement of 2014

Project Update:

The HCP team has completed mapping and GIS data gathering. The hydraulic impact modeling, is in progress. The following table is a part of the list of RMPU projects that will be a part of the study, however, IEUA recently confirmed that all existing recharge basins and RMPU projects will be evaluated under this study as well. This additional work is not expected to impact the total budget.

<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	① Etiwanda Debris Basin - (SBCFCD)
Rivers/Channels	2. Southwestern Willow Flycatcher	② San Sevaine Basins - (SBCFCD)
CBWM Service Area	3. Least Bell's Vireo	③ Victoria Basin - (SBCFCD)
IEUA Service Area	4. Santa Ana Sucker	④ Lower Day Basin - (SBCFCD)
Cities Boundary	5. Delhi Sands Flower-Loving Fly	⑤ Banana Basin - (SBCFCD)
Freeways	6. Merriam's San Bernardino Kangaroo Rat	⑥ Hickory Basin - (SBCFCD)
	7. Borrowing Owl	⑦ Etiwanda Conservation Basins - (SCE)
		⑧ Jurupa Basin - (SBCFCD)
		⑨ RP-3 Basin - (IEUA)
		⑩ Wineville Basin - (SBCFCD)
		⑪ Declez Basin - (SBCFCD)
		⑫ 8th Street Basin - (SBCFCD)
		⑬ Turner Basins - (SBCFCD/CBWCD)
		⑭ Ely Basins 1, 2 and 3 - (SBCFCD/CBWCD)
		⑮ College Heights Basins - (CBWCD)
		⑯ Upland Basin - (Upland)
		⑰ Montclair Basins - (CBWCD)
		⑱ Brooks Street Basins - (CBWCD)
		⑲ Grove Basin - (SBCFCD)



**EAST DECLEZ BASIN IMPROVEMENTS
PROJECT NO. RW15003.01
STATUS UPDATE: OCTOBER 3, 2016**

In 2014 Watermaster members proposed the utilization of the available land east of the existing Declez Basins. This project proposed 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 was 913 acre-feet per year. Project improvements included 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 100cfs 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	\$111,353			
<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	-
Pre-Environmental	07/22/15	02/01/16	Completed	\$11,000	2,932
Feasibility Study (PDR)	07/22/15	02/19/16	Completed	\$103,000	\$99,574
Preliminary Design	02/20/16	08/29/16	Canceled	\$511,000	-
Land Acquisition	11/18/15	05/17/16	Canceled	-	\$8,847*
Environmental	02/02/16	08/29/16	Canceled	\$197,000	-
Design	08/30/16	12/29/17	Canceled	\$2,542,000	-
Permits	08/30/16	12/29/17	Canceled	\$275,000	-
				\$3,665,000	\$111,353

*The refundable deposit on the property hold, minus processing fees, has been refunded.

Cost Sharing Documents:

- Task Order No. 1 of the Master Agreement of 2014 (Aug, 2014)
- 1st Amendment Task Order No. 1 of the Master Agreement of 2014 (April, 2015)
- 2nd Amendment Task Order No. 1 of the Master Agreement of 2014 (June, 2016)

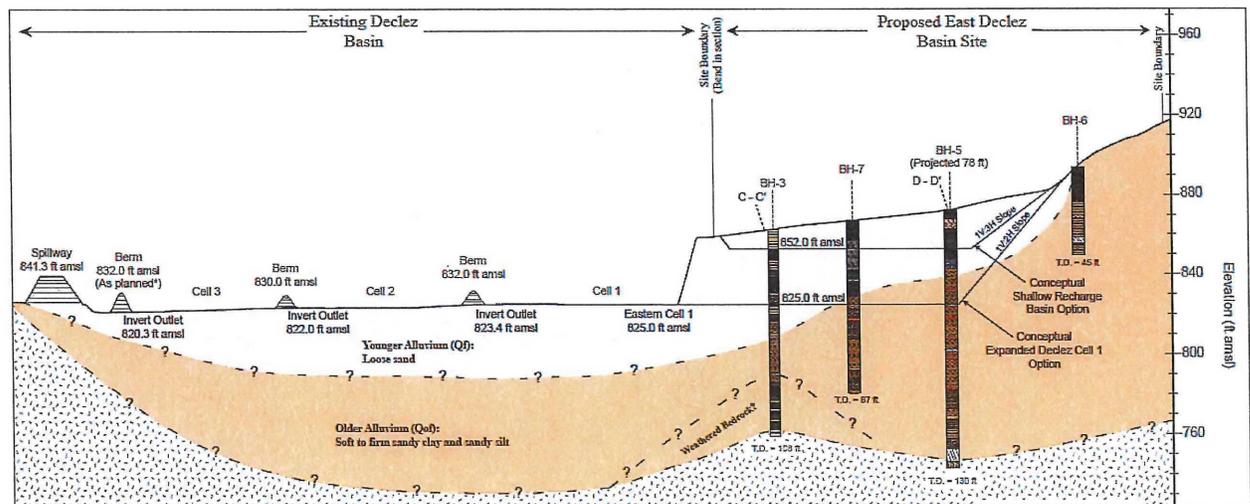
Project Update:

On April 7th, 2016 CBWM's Appropriative Pool decided not pursue with the proposed project and terminate further actions to purchase the East Declez property. All future project tasks were cancelled.

All project expenses related to feasibility and preliminary environmental efforts which include labor, consulting contracts, and escrow service fees are finalized at \$112,507. Watermaster is was sent a reimbursement invoice in the amount of \$109,982.49. The final reimbursement for the remaining balance will follow after accounting confirms the expense.

Recently Task Order No.1 of the Master Cost Sharing Agreement was amended and executed in June. The amendment removes the remaining East Declez scope and budget from the agreement while retaining the: East Declez efforts on the feasibility study and preliminary environmental review.

Project Photo:



Profile of the proposed East Declez with bore hole testing locations

RMPU PROJECTS



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**SAN SEVAINE IMPROVEMENTS PROJECT
PROJECT NO. EN13001
STATUS UPDATE: OCTOBER 3, 2016**

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 tying it 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	\$570,430

<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	\$159,833
Environmental Impact	06/26/13	01/20/16	Completed	\$30,000	\$24,218
Design	05/15/15	09/29/16	In Progress	\$400,000	\$361,379
Permits	05/15/13	12/12/16	In Progress	\$25,000	\$25,000
Bid and Award	12/13/16	03/15/17	Not Started	\$5,000	-
Construction	03/16/17	04/20/18	Not Started	\$5,840,000	-
				\$6,460,000	\$570,430

Grant/Loan Update:

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation.

Cost Sharing Document:

- Task Order No. 8 of the Master Agreement of 2014 (August, 2014)
- 1st Amendment Task Order No. 8 of the Master Agreement of 2014 (April, 2015)

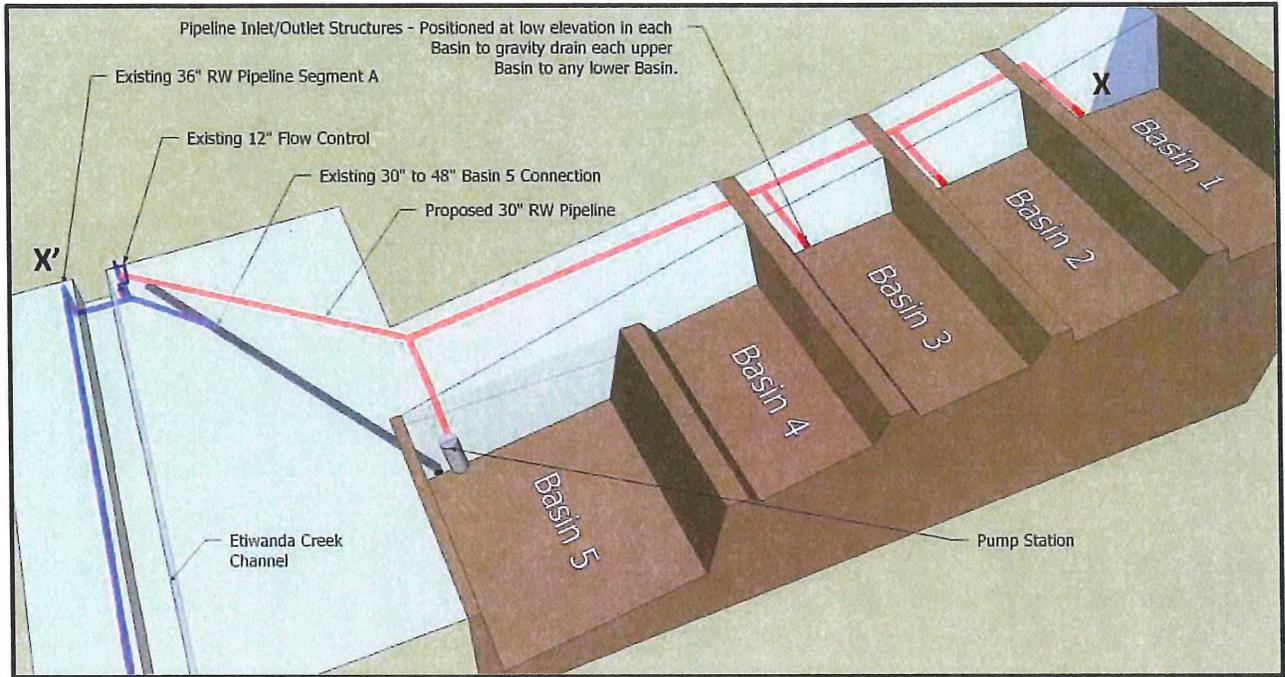
Project Update:

The permitting phase is extended by 90-100 days to allow for additional efforts to request new certifications/agreements with the Fish and Wildlife, Army Corps, and State Water Quality Control Board to permit the new improvements at San Sevaire. The above regulators recently confirmed that existing certifications/agreements are not consistent with the new

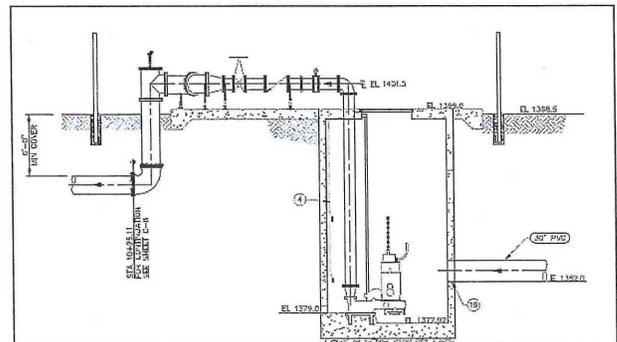
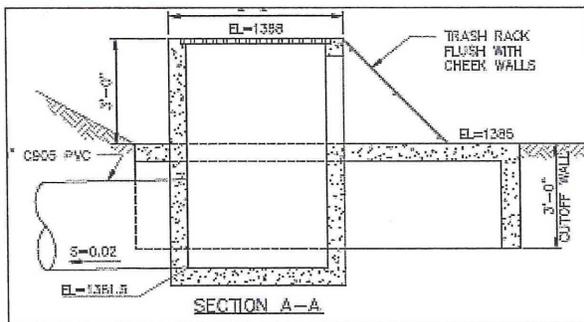
improvement. Therefore, IEUA is working with Tom Dodson, its environmental consultant, to expedite the application and review process for these needed documents. This extended schedule will delay construction award to March 2017. Staff is reviewing the schedule to see if other project approach can be considered to mitigate the delay.

Currently, Dudek has submitted their 85% design phase and staff are reviewing the final design plans.

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



Design Profile of proposed Pump Station in Basin 5



2013 RMPU AMENDMENT YIELD ENHANCEMENT PROJECTS
PROJECT NO. RW15003.00
STATUS UPDATE: OCTOBER 3, 2016

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	Declaz 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:

Soft Cost Phases	Amended Soft Cost*			Actual Cost to Date	
	Start	Finish	Status	Projected Cost	Actual Cost
Project Development	07/01/14	06/17/15	Completed	\$27,000	\$3,476
Preliminary Design	06/25/15	11/16/16	In Progress	\$735,000	\$586,726
Environmental	02/19/15	03/15/17	In Progress	\$325,000	\$39,288
Design	11/17/16	12/15/17	Not Started	\$2,638,500	-
Permits	11/17/16	12/15/17	Not Started	\$100,000	-
				\$3,825,500	\$629,490

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

Grant/Loan Update:

IEUA is preparing to apply for state grants and loans through the SWRCB Prop. 1 Stormwater Grant and the Clean Water SRF Loans. The potential grant and loan amount is near \$14M and \$45M respectively. In addition, RP-3 Basin Improvements is expected to receive an additional \$300K grant from the US Bureau of Reclamation.

Cost Sharing Document:

- Task Order No. 1 of the Master Agreement of 2014 (August, 2014)
- 1st Amendment Task Order No. 1 of the Master Agreement of 2014 (April, 2015)
- 2nd Amendment Task Order No. 1 of the Master Agreement of 2014 (June, 2016)

Project Update:

The PDR Draft was presented at the last RIPCom. This October, staff will be presenting the latest PDR draft to all pool members for their review and comment. The current schedule is to present the final PDR for approval in November, 2016.

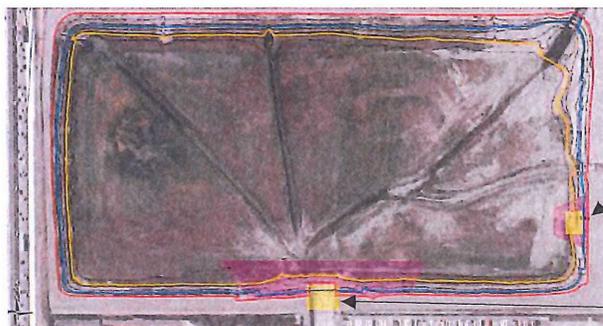
Additional efforts are currently being done by Dodson & Associates in developing a Program Environmental Impact Report (PEIR) for the proposed RMPU projects. The scheduled completion date for a draft environmental study is November 2016. The PEIR will be completed in March 2017.

Project Photos:



Heighten existing basin outlet structure

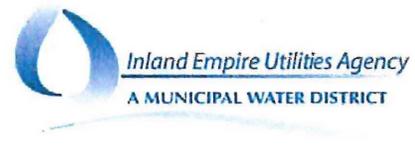
Aerial of Victoria Basin



Place a new Pump Station

Heighten existing basin spillway structure

Aerial of Wineville Basin



**LOWER DAY RMPU IMPROVEMENTS
PROJECT NO. RW15004
STATUS UPDATE: OCTOBER 3, 2016**

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. Per the 2013 RMPU, this project proposes to increase the recharge capacity of the basin by 789 acre-feet per year.

Schedule:

	<u>Project Budget</u>		<u>Actual Cost to Date</u>		
	\$2,480,000		\$218,413		
<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	11/16/16	In Progress	\$159,000	\$130,310
Environmental Impact	12/18/14	04/20/16	Completed	\$45,000	\$43,313
Permits	12/18/14	06/29/17	In Progress	\$20,000	\$20,000
Design	11/17/16	07/24/17	Not Started	\$183,000	-
Bid and Award	07/25/17	10/18/17	Not Started	8,000	-
Construction	10/19/17	10/25/18	Not Started	\$2,040,000	-
				\$2,480,000	\$218,413

Grant/Loan Update:

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation.

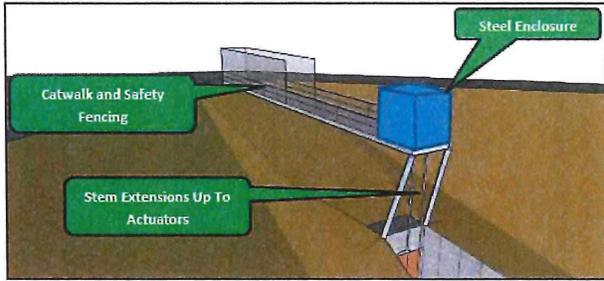
Cost Sharing Document: Task Order No. 2 of the Master Agreement of 2014

Project Update:

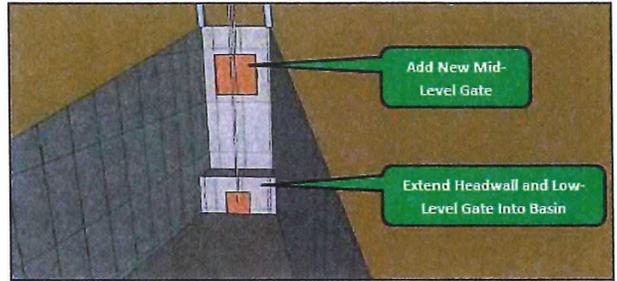
On April 20, 2016 IEUA's Board adopted the environmental findings as prepared by Tom Dodson and Associates. This completed all CEQA requirements for the project.

The final PDR will be presented at the October 20th RIPCom Meeting for comments and questions. The proposed schedule is to seek final acceptance of the design in November from Watermaster stakeholders.

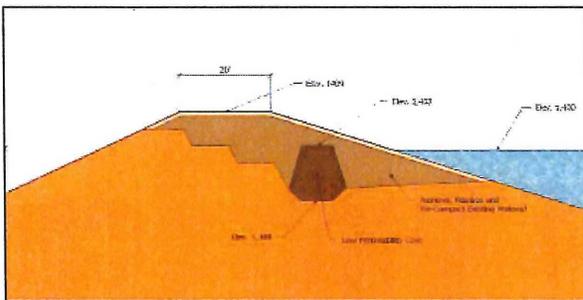
Conceptual Design of the Proposed Improvements:



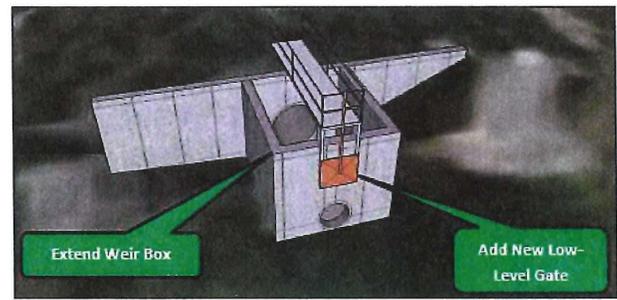
Mid-level Outlet Modifications – Increase Storage to the Lower Basin



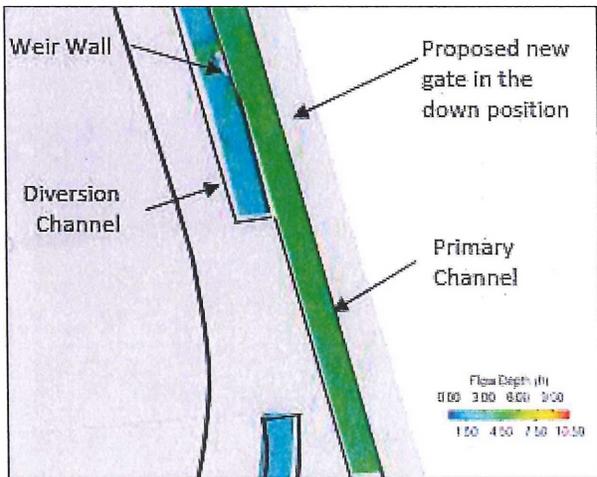
Coating Existing 36" & 72" Outlet Pipes – Maintain Flood Control requirements of immediate dewatering



Reconstruction of Southern Berm – Prevent Seepage



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



Water Flow Simulation of Channel with Proposed New Gate

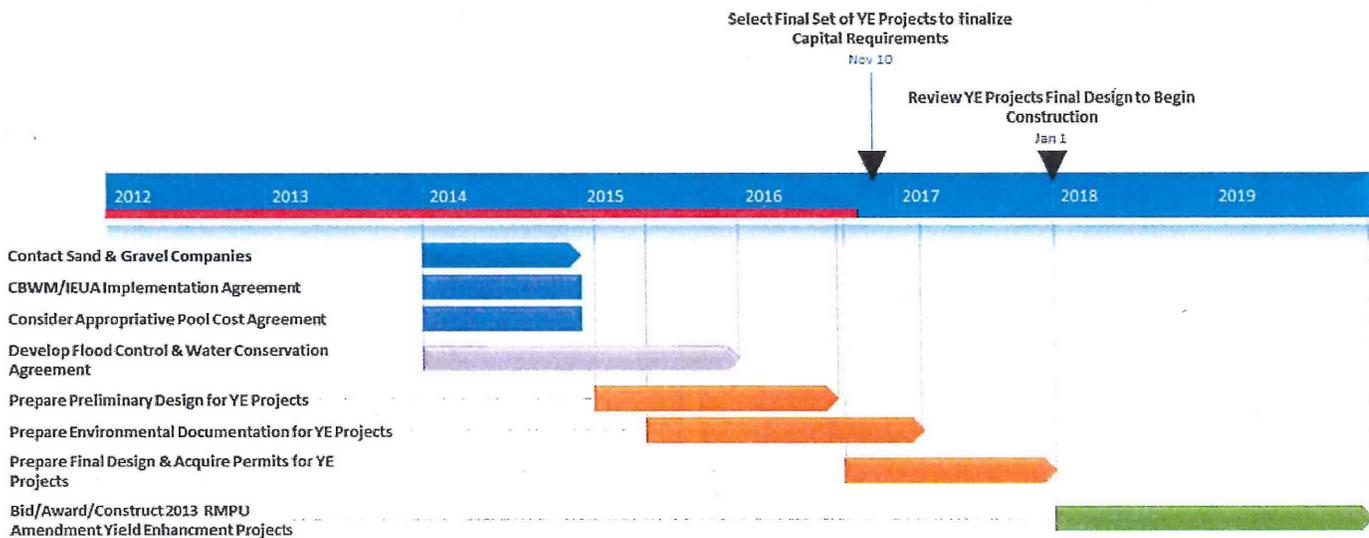


An Obermeyer Weir Wall example in Mendocino, California

2013 Amendment to 2010 RMPU Implementation

Status Report – October 2016

Schedule:



STATUS

In April 2015, the 2013 Amendment to 2010 Recharge Master Plan update Steering Committee was merged with the IEUA/Watermaster Joint Projects Committee meeting and renamed the Recharge Investigations and Projects Committee (RIPCom), and meets monthly. This was done so that progress on all recharge projects, including prior projects, RMPU Sustainability and Yield Enhancement projects, and potential new projects could be reviewed by all Pool representatives before making a recommendation to their respective Pools. Progress on all projects are reported as a separate report.

Year 1-2014

Yield Enhancement Projects: Contact Sand and Gravel Companies

IEUA, with the help of Watermaster stakeholders has developed a list of haulers who may be interested in the dirt removal. Following the approval of a projects PDR, contact with the Sand and Gravel companies will be made. There are a few concerns to be addressed. Most companies prefer not to be tied to an IEUA/Watermaster schedule, rather they would prefer to be driven by the needs of development-related construction projects. IEUA estimates having 12 potential companies interested in dirt hauling, however, the number may fluctuate as demands and future schedules change.

Yield Enhancement Projects: Develop Watermaster and IEUA Yield Enhancement Project Implementation Agreement

This was completed, and the Master Agreement and Task Orders have been signed by both IEUA and Watermaster Boards.

Yield Enhancement Projects: Consider AP New Yield Cost Allocation Agreement

Within the Safe Yield Reset effort, it was determined that the stormwater yield from the RMPU projects will initially be part of the New Yield allocation. The cost sharing will be based on the Operating Safe Yield percentage, with an opt-out provision that would allow Fontana Water Company the first chance at that water. Section 5.1 of the 2015 Safe Yield Reset Agreement further describes the mechanisms for accounting and allocation among the Appropriate Pool Parties. As of October 2016, the Safe Yield Reset has not been approved.

Yield Enhancement Projects: Develop Flood Control and Water Conservation Agreement

IEUA and Watermaster have met and exchanged correspondence with the San Bernardino County Flood Control District (SBCFCD) to expand the Four Party Agreement to include all facilities necessary for RMPU Implementation. IEUA, Watermaster, and SBCFCD have also met to discuss SBCFCD's anticipated permit conditions for the RMPU projects so that there would be minimal or no impact to the RMPU projects scope budget or schedule. IEUA and Watermaster have also met with Chino Basin Water Conservation District (CBWCD) to discuss the CBWCD facilities that are involved in the RMPU Implementation. As of October, negotiations are ongoing.

Yield Enhancement Projects: Agreement with Property Owners

Contact with SBCFCD and CBWCD has been made through above-mentioned process. The Sierra Basin is no longer considered a potential project due to the City of Fontana stating that the basin is to be repurposed in the future. The Lower San Sevaine (PID 17) property was sold at auction; status is "ongoing due diligence by potential buyer" until May 2017. IEUA is working with California Steel Industries (CSI) on a wastewater issue and is discussing the terms of using that recharge basin for the project contemplated in the RMPU. CSI has expressed interest in recharging the basin with stormwater, recycled water, and other sources of

supplemental water which the preliminary design found in the RMPU PDR will meet. As of October 2016, discussions are ongoing.

Years 2 and 3 -2015 and 2016

Yield Enhancement Projects: Prepare Preliminary Design of Recommended Yield Enhancement Projects

The Preliminary Design effort has begun and is reported for each individual project as a separate report which will be posted on Watermaster's FTP site and also accessible at this link:

[http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20\(RIPCom\)/Project%20PDRs/](http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20(RIPCom)/Project%20PDRs/)

As of October 2016, the most recent report posted is for the RMPU projects.

Yield Enhancement Projects: Prepare Environmental Documentation for Yield Enhancement Projects

The required environmental documents for the San Sevaine Basin RMPU Project was completed on January 2016, through an IEUA Board adoption of a mitigated negative declaration on the proposed project. The required environmental documents for Lower Day Basin RMPU Project will have a similar find and action. The IEUA Board adopted the findings on April 20, 2016. The remaining RMPU projects will be addressed separately through a programmatic environmental impact report on the proposed planning level projects within the Recharge Master Plan Update document. A report is scheduled to be completed by March 2017.

Financing Plan

The 2013 RMPU Master Plan Update Financing Plan was approved on May 26, 2016 by the Watermaster Board. The plan is posted on Watermaster's FTP site and also accessible at this link:

[http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20\(RIPCom\)/RMPU%20Agreements/20160512%20Financing%20Plan%20for%20the%202013%20RMPU.pdf](http://www.cbwm.org/FTP/Recharge%20Investigations%20and%20Projects%20Committee%20(RIPCom)/RMPU%20Agreements/20160512%20Financing%20Plan%20for%20the%202013%20RMPU.pdf)

Years 3 and 4-2016 and 2017

Prepare Final Designs and Acquire Necessary Permits for Yield Enhancement

As of July 2016, the Final Designs for the RMPU projects will be completed by the end of 2017. San Sevaine and Lower Day, projects on an accelerated schedule, will complete Final Design by August 2016 and April 2017 respectively.

Years 5 and 6- 2018 and 2019

Construct 2013 RMPU Amendment Yield Enhancement Projects

Construction of the selected RMPU projects after Final Design are anticipated to be complete by the end of 2019.

Monitoring, Reporting, and Accounting Long-Term Average Net New Stormwater Recharge

The due date for the third round of requests for Water Quality Management Plan (WQMPs), Design Reports, and As-Built drawings for new projects and projects built between Fiscal Years 2011 and 2016 is November 1, 2016. As of October 2016, Watermaster is working with WEI to analyze the data received.

Sustainability Projects:

Effort is underway. JCSD is the lead on this and is working with IEUA, Ontario, MVWD, and FWC to refine sustainability project opportunities. JCSD began receiving water from the City of Ontario in April 2015 per the Ontario-Jurupa In lieu Sustainability Project Agreement. With this agreement, JCSD will receive 2,000 acre-feet of Ontario's CDA allotment of water in exchange for the purchase of an equal quantity of imported water from the WFA plant for use by the City of Ontario. JCSD is also exploring other sources of imported water beyond Metropolitan Water District to diversify its water source portfolio.

The joint Vulcan/ FWC project at the Vulcan Recharge Basin anticipated recharge in the Basin in early September 2015, however, due to some logistical issues it was delayed until December 21, 2015. In February 2016, Vulcan/FWC completed its 100 acre-foot recharge project. The exact amount recharged was 100.006 acre feet. Further recharge is not anticipated until the winter of 2017.