

# CHINO BASIN WATERMASTER



## NOTICE OF MEETINGS

### Thursday, June 14, 2018

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

### Friday, June 15, 2018

- 11:00 a.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, June 14, 2018**

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

## **Friday, June 15, 2018**

11:00 a.m. – Agricultural Pool Meeting

***POOL AGENDAS***

**CHINO BASIN WATERMASTER  
APPROPRIATIVE POOL MEETING**

9:00 a.m. – June 14, 2018

**WITH**

*Ms. Teri Layton, Chair*

*Mr. Van Jew, Vice-Chair*

**At The Offices Of**

**Chino Basin Watermaster**

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

**AGENDA**

**CALL TO ORDER**

**AGENDA - ADDITIONS/REORDER**

**I. CONSENT CALENDAR**

**Note: All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.**

**A. MINUTES**

Approve as presented:

1. Minutes of the Appropriative Pool Meeting held May 10, 2018 *(Page 1)*

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of April 2018 *(Page 13)*
2. Watermaster VISA Check Detail for the month of April 2018 *(Page 25)*
3. Combining Schedule for the Period July 1, 2017 through April 30, 2018 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018 *(Page 37)*

**C. APPLICATION FOR RECHARGE *(Page 63)***

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

**D. WATER TRANSACTIONS**

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

1. The transfer of 80.000 acre-feet of water from West End Consolidated Water Company to Golden State Water Company. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares. *(Page 75)*

2. The transfer of 853.677 acre-feet of water from West End Consolidated Water Company to City of Upland. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares. *(Page 83)*

**II. BUSINESS ITEMS**

**A. TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS TECHNICAL SUPPORT FOR ANALYSIS OF THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL *(Page 91)***

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

**B. 2017 ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE *(Page 97)***

Offer advice and assistance.

**C. EXHIBIT "G" TRANSFER RATE AMENDMENT *(Page 105)***

Offer advice and assistance on amending Section 9(d) of Exhibit "G" regarding the transfer rate.

**D. PEACE AGREEMENT PARAGRAPH 5.3(e) INTERPRETATION *(Page 109)***

Offer advice and assistance on the interpretation of the language.

**E. AMENDMENTS TO JUDGMENT AND CAMA TO IMPLEMENT SETTLEMENT AGREEMENT REGARDING APPEAL FROM APRIL 28, 2017 ORDER *(Page 125)***

Discuss and offer advice.

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. Appeal of April 28, 2017 Order
2. July 24, 2018 Court Hearing

**B. ENGINEER REPORT**

1. Storage Framework
2. 2018 Recharge Master Plan Update
3. Salinity Management

**C. CFO REPORT**

1. FY 2017/18 Budget Transfers

**D. GM REPORT**

1. Future Assessment Packages
2. July 2018 Meeting Schedule
3. Other

**IV. INFORMATION**

1. Cash Disbursements for May 2018 *(Page 143)*

**V. POOL MEMBER COMMENTS**

**VI. OTHER BUSINESS**



**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Appropriative Pool Strategic Planning Discussion
2. Exhibit "G" Transfer Rate Amendment
3. Peace Agreement Paragraph 5.3(e) Interpretation
4. Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding Appeal From April 28, 2017 Order

**VIII. FUTURE MEETINGS AT WATERMASTER**

- |         |     |            |                                                                                                                |
|---------|-----|------------|----------------------------------------------------------------------------------------------------------------|
| 6/14/18 | Thu | 9:00 a.m.  | Appropriative Pool                                                                                             |
| 6/14/18 | Thu | 11:00 a.m. | Non-Agricultural Pool                                                                                          |
| 6/15/18 | Fri | 11:00 a.m. | Agricultural Pool*                                                                                             |
| 6/21/18 | Thu | 8:00 a.m.  | Appropriative Pool Strategic Planning (Confidential Session Only)                                              |
| 6/21/18 | Thu | 9:00 a.m.  | Advisory Committee                                                                                             |
| 6/21/18 | Thu | 9:30 a.m.  | 2018 RMPU Steering Committee #5 and Recharge Investigations and Projects Committee (meetings will be combined) |
| 6/28/18 | Thu | 11:00 a.m. | Watermaster Board                                                                                              |

\*Rescheduled from 6/14/18 at 1:30 p.m.

**ADJOURNMENT**

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

11:00 a.m. – June 14, 2018

**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**

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held May 10, 2018 *(Page 5)*

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of April 2018 *(Page 13)*
2. Watermaster VISA Check Detail for the month of April 2018 *(Page 25)*
3. Combining Schedule for the Period July 1, 2017 through April 30, 2018 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018 *(Page 37)*

**C. APPLICATION FOR RECHARGE *(Page 63)***

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

**D. WATER TRANSACTIONS**

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

1. The transfer of 80.000 acre-feet of water from West End Consolidated Water Company to Golden State Water Company. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares. *(Page 75)*
2. The transfer of 853.677 acre-feet of water from West End Consolidated Water Company to City of Upland. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares. *(Page 83)*

**II. BUSINESS ITEMS**

**A. TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS TECHNICAL SUPPORT FOR ANALYSIS OF THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL** *(Page 91)*

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

**B. 2017 ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE** *(Page 97)*

Offer advice and assistance.

**C. EXHIBIT “G” TRANSFER RATE AMENDMENT** *Page 105)*

Offer advice and assistance on amending Section 9(d) of Exhibit “G” regarding the transfer rate.

**D. PEACE AGREEMENT PARAGRAPH 5.3(e) INTERPRETATION** *(Page 109)*

Offer advice and assistance on the interpretation of the language.

**E. AMENDMENTS TO JUDGMENT AND CAMA TO IMPLEMENT SETTLEMENT AGREEMENT REGARDING APPEAL FROM APRIL 28, 2017 ORDER** *(Page 125)*

Discuss and offer advice.

**F. 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. Appeal of April 28, 2017 Order
2. July 24, 2018 Court Hearing

**B. ENGINEER REPORT**

1. Storage Framework
2. 2018 Recharge Master Plan Update
3. Salinity Management

**C. CFO REPORT**

1. FY 2017/18 Budget Transfers

**D. GM REPORT**

1. Future Assessment Packages
2. July 2018 Meeting Schedule
3. Other

**IV. INFORMATION**

1. Cash Disbursements for May 2018 *(Page 143)*

**V. POOL MEMBER COMMENTS**

**VI. OTHER BUSINESS**

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Exhibit "G" Transfer Rate Amendment
2. Peace Agreement Paragraph 5.3(e) Interpretation
3. Safe Yield Reset and Accounting Compromise Term Sheet
4. Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding Appeal From April 28, 2017 Order

**VIII. FUTURE MEETINGS AT WATERMASTER**

- |         |     |            |                                                                                                                |
|---------|-----|------------|----------------------------------------------------------------------------------------------------------------|
| 6/14/18 | Thu | 9:00 a.m.  | Appropriative Pool                                                                                             |
| 6/14/18 | Thu | 11:00 a.m. | Non-Agricultural Pool                                                                                          |
| 6/15/18 | Fri | 11:00 a.m. | Agricultural Pool*                                                                                             |
| 6/21/18 | Thu | 8:00 a.m.  | Appropriative Pool Strategic Planning (Confidential Session Only)                                              |
| 6/21/18 | Thu | 9:00 a.m.  | Advisory Committee                                                                                             |
| 6/21/18 | Thu | 9:30 a.m.  | 2018 RMPU Steering Committee #5 and Recharge Investigations and Projects Committee (meetings will be combined) |
| 6/28/18 | Thu | 11:00 a.m. | Watermaster Board                                                                                              |

\*Rescheduled from 6/14/18 at 1:30 p.m.

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**CHINO BASIN WATERMASTER  
AGRICULTURAL POOL MEETING**

11:00 a.m. – June 15, 2018

**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**

Approve as presented:

1. Minutes of the Agricultural Pool Meeting held on May 11, 2018 *(Page 9)*

**B. FINANCIAL REPORTS**

Receive and file as presented:

1. Cash Disbursements for the month of April 2018 *(Page 13)*
2. Watermaster VISA Check Detail for the month of April 2018 *(Page 25)*
3. Combining Schedule for the Period July 1, 2017 through April 30, 2018 *(Page 29)*
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**C. APPLICATION FOR RECHARGE *(Page 63)***

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

**D. WATER TRANSACTIONS**

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

1. The transfer of 80.000 acre-feet of water from West End Consolidated Water Company to Golden State Water Company. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares. *(Page 75)*
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**E. AMENDMENTS TO JUDGMENT AND CAMA TO IMPLEMENT SETTLEMENT AGREEMENT REGARDING APPEAL FROM APRIL 28, 2017 ORDER** *(Page 125)*

Discuss and offer advice.

**F. OLD BUSINESS**

- Chino Basin Groundwater Quality Information

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. Appeal of April 28, 2017 Order
2. July 24, 2018 Court Hearing

**B. ENGINEER REPORT**

1. Storage Framework
2. 2018 Recharge Master Plan Update
3. Salinity Management

**C. CFO REPORT**

1. FY 2017/18 Budget Transfers

**D. GM REPORT**

1. Future Assessment Packages
2. July 2018 Meeting Schedule
3. Other

**IV. INFORMATION**

1. Cash Disbursements for May 2018 *(Page 143)*

**V. POOL DISCUSSION**

1. Chairman's Update
  - Pool representation at July Advisory Committee and Board Meeting
2. Pool Member Comments

**VI. OTHER BUSINESS**



**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

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

1. Appeal of April 28, 2017 Order
2. July 24, 2018 Court Hearing
3. Storage Contest
4. Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding Appeal From April 28, 2017 Order

**VIII. FUTURE MEETINGS AT WATERMASTER**

- |         |     |            |                                                                                                                |
|---------|-----|------------|----------------------------------------------------------------------------------------------------------------|
| 6/14/18 | Thu | 9:00 a.m.  | Appropriative Pool                                                                                             |
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| 6/21/18 | Thu | 9:00 a.m.  | Advisory Committee                                                                                             |
| 6/21/18 | Thu | 9:30 a.m.  | 2018 RMPU Steering Committee #5 and Recharge Investigations and Projects Committee (meetings will be combined) |
| 6/28/18 | Thu | 11:00 a.m. | Watermaster Board                                                                                              |

\*Rescheduled from 6/14/18 at 1:30 p.m.

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# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

### **A. MINUTES**

1. Appropriative Pool Meeting held on May 10, 2018

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**APPROPRIATIVE POOL MEETING**  
May 10, 2018

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on May 10, 2018.

**APPROPRIATIVE POOL MEMBERS PRESENT**

Teri Layton, Chair  
Van Jew, Vice-Chair  
Dave Crosley  
Todd Corbin  
Cris Fealy  
Eric Tarango  
Ben Lewis  
Raul Garibay for Darron Poulsen  
Rosemary Hoerning  
Eduardo Espinoza for John Bosler  
Katie Gienger for Scott Burton

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

**WATERMASTER BOARD MEMBER PRESENT**

Eunice Ulloa

City of Chino

**WATERMASTER STAFF PRESENT**

Peter Kavounas  
Joseph Joswiak  
Edgar Tellez Foster  
Anna Nelson  
Justin Nakano

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

**WATERMASTER CONSULTANTS PRESENT**

Brad Herrema  
Mark Wildermuth  
Andy Malone

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

**OTHERS PRESENT**

Amanda Coker  
Sylvie Lee  
John Schatz

City of Chino  
Inland Empire Utilities Agency  
John J. Schatz, Attorney at Law

**CALL TO ORDER**

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

**AGENDA – ADDITIONS/REORDER**

None

**I. CONSENT CALENDAR**

**A. MINUTES**

1. Minutes of the Appropriative Pool Meeting held April 12, 2018

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of March 2018
2. Watermaster VISA Check Detail for the month of March 2018
3. Combining Schedule for the Period July 1, 2017 through March 31, 2018
4. Treasurer's Report of Financial Affairs for the Period March 1, 2018 through March 31, 2018

5. Budget vs. Actual Report for the Period July 1, 2017 through March 31, 2018

**C. WATER TRANSACTIONS**

Provide advice and assistance to the Watermaster Board on the proposed transaction:  
The transfer of 10,000.00 acre-feet of water from Cucamonga Valley Water District to Fontana Water Company. This transfer is made from Cucamonga Valley Water District's Annual Production Right first, with any additional from Excess Carryover.

(0:00:23)

*Motion by Ms. Rosemary Hoerning, seconded by Mr. Cris Fealy, and by unanimous vote*

***Moved to approve the Consent Calendar as presented.***

**II. BUSINESS ITEMS**

**A. WATERMASTER FISCAL YEAR 2018/19 PROPOSED BUDGET**

Recommend Advisory Committee approval of the proposed FY 2018/19 budget as presented.

(0:00:46) Mr. Joswiak gave a report. A discussion ensued.

Vice-Chair Jew joined the meeting at 9:18 a.m.

(0:30:11)

*Motion by Ms. Katie Gienger, seconded by Mr. Raul Garibay, and by unanimous vote*

***Moved to approve Business Item II.A. as presented.***

**B. PREEMPTIVE REPLENISHMENT AGREEMENT**

Recommend Advisory Committee recommend Board approval.

(0:30:34) Mr. Kavounas gave a report. A discussion ensued.

(0:37:54)

*Motion by Mr. Todd Corbin, seconded by Mr. Dave Crosley, and by unanimous vote*

***Moved to approve Business Item II.B. as presented.***

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

1. Appeal of April 28, 2017 Order
2. June 22, 2018 Court Hearing

(0:38:25) Mr. Herrema gave a report. A discussion ensued.

**B. ENGINEER REPORT**

1. Storage Framework
2. Recharge Master Plan Update
3. Prado Basin Habitat Sustainability Committee
4. Reporting

(0:41:17) Mr. Malone gave a report and indicated that the Max Benefit Annual Report was submitted to the Regional Board prior to the April 15, 2018 deadline. A discussion ensued.

**C. CFO REPORT**

None

(0:49:26) Mr. Kavounas asked Mr. Joswiak to report on items that may be over budget for the current fiscal year.

(0:49:49) Mr. Joswiak reported that the Agricultural Pool Legal budget is over. There may be a need for a budget transfer at the conclusion of the fiscal year.

**D. GM REPORT**

1. Other

(0:51:13) Mr. Kavounas introduced Mr. Tellez Foster to give updates on the Pomona Extensometer and the Sustainable Groundwater Management Act.

(0:51:36) Mr. Tellez Foster gave a report.

(0:54:49) Mr. Kavounas gave an update on the Climb for Heroes fundraiser at Mt. Baldy on June 3, 2018 that staff is participating in.

**IV. INFORMATION**

1. Cash Disbursements for April 2018

**V. POOL MEMBER COMMENTS**

(0:55:21) Ms. Hoerning thanked Mr. Kavounas and the Watermaster staff for the thorough budget process.

**VI. OTHER BUSINESS**

None

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Chair Layton called for a confidential session at 9:55 a.m. to hold the Appropriative Pool Strategic Planning discussion. Confidential session concluded at 11:50 a.m. with no reportable action.

**ADJOURNMENT**

Chair Layton adjourned the Appropriative Pool meeting at 11:50 a.m.

Secretary: \_\_\_\_\_

Approved: \_\_\_\_\_

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# **CHINO BASIN WATERMASTER**

## **I. BUSINESS ITEM – ROUTINE**

### **A. MINUTES**

1. Non-Agricultural Pool Meeting held on May 10, 2018



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

May 10, 2018

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 May 10, 2018.

**NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER**

Brian Geye, Chair	California Speedway Corporation
Bob Page	County of San Bernardino (Non-Ag)

**NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL**

Ramsey Haddad	California Steel Industries, Inc.
Kevin Sage for Bob Bowcock	Calmat Co.
Michael Adler for Natalie Costaglio	Hamner Park Associates, a California Limited Partnership
Michael Sigsbee for Tom O'Neill	City of Ontario (Non-Ag)

**WATERMASTER STAFF PRESENT AT WATERMASTER**

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Edgar Tellez Foster	Senior Environmental Engineer
Anna Nelson	Executive Services Director/Board Clerk
Justin Nakano	Water Resources Senior Associate

**WATERMASTER CONSULTANTS PRESENT AT WATERMASTER**

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

**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 11:00 a.m.

**ROLL CALL**

Ms. Nelson conducted the roll call.

**AGENDA – ADDITIONS/REORDER**

None

**I. BUSINESS ITEMS - ROUTINE**

**A. MINUTES**

1. Minutes of the Non-Agricultural Pool Meeting held April 12, 2018

(0:02:20)

*Motion by Mr. Bob Page, seconded by Mr. Ramsey Haddad. 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. as presented.***

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of March 2018
2. Watermaster VISA Check Detail for the month of March 2018
3. Combining Schedule for the Period July 1, 2017 through March 31, 2018
4. Treasurer's Report of Financial Affairs for the Period March 1, 2018 through March 31, 2018

## 5. Budget vs. Actual Report for the Period July 1, 2017 through March 31, 2018

*(0:02:44)**Motion by Mr. Bob Page, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and none being noted, the motion was deemed passed by unanimous vote of those present.****Moved to receive and file Business Item I.B. without approval as presented.*****C. WATER TRANSACTIONS**

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

The transfer of 10,000.00 acre-feet of water from Cucamonga Valley Water District to Fontana Water Company. This transfer is made from Cucamonga Valley Water District's Annual Production Right first, with any additional from Excess Carryover.

*(0:03:18)**Motion by Mr. Bob Page, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and none being noted, the motion was deemed passed by unanimous vote of those present.****Moved to approve staff recommendation of Business Item I.C. and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.*****II. BUSINESS ITEMS****A. WATERMASTER FISCAL YEAR 2018/19 PROPOSED BUDGET**

Recommend Advisory Committee approval of the proposed FY 2018/19 budget as presented.

*(0:03:43)* Mr. Joswiak gave a report. A discussion ensued.*(0:17:53)**Motion by Mr. Bob Page, seconded by Mr. Ramsey Haddad. The Chair called for dissent, and none being noted, the motion was deemed passed by unanimous vote of those present.****Moved to approve staff recommendation of Business Item II.A., Watermaster Fiscal Year 2018/19 Proposed Budget and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.*****B. PREEMPTIVE REPLENISHMENT AGREEMENT**

Recommend Advisory Committee recommend Board approval.

*(0:18:15)* Mr. Kavounas gave a report.*(0:19:47)**Motion by Mr. Bob Page, seconded by Mr. Ramsey Haddad. The Chair called for dissent and none being noted, the motion was deemed passed by unanimous vote of those present.****Moved to approve staff recommendation of Business Item II.B., Preemptive Replenishment Agreement and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.*****C. 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.

*(0:20:05)* Ms. Nelson stated that staff had no changes to report.

**III. REPORTS/UPDATES**

**A. LEGAL COUNSEL REPORT**

- 1. Appeal of April 28, 2017 Order
- 2. June 22, 2018 Court Hearing

(0:20:13) Mr. Herrema gave a report.

**B. ENGINEER REPORT**

- 1. Storage Framework
- 2. Recharge Master Plan Update
- 3. Prado Basin Habitat Sustainability Committee
- 4. Reporting

(0:22:10) Mr. Malone gave a report and indicated that the Max Benefit Annual Reporting was submitted to the Regional Board before the April 15, 2018 deadline. A discussion ensued.

**C. CFO REPORT**

None

**D. GM REPORT**

- 1. Other

(0:31:34) Mr. Kavounas introduced Mr. Tellez Foster to give updates on the Pomona Extensometer and the Sustainable Groundwater Management Act.

(0:31:42) Mr. Tellez Foster gave a report. A discussion ensued.

(0:33:43) Mr. Kavounas gave an update on the Climb for Heroes fundraiser.

**IV. INFORMATION**

- 1. Cash Disbursements for April 2018

**V. POOL MEMBER COMMENTS**

None

**VII. OTHER BUSINESS**

None

**VIII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Chair Geye called for a confidential session at 11:36 a.m. to discuss Safe Yield Reset and Accounting Compromise Term Sheet. The confidential session concluded at 11:47 a.m. with no reportable action.

Mr. Page did not participate in the confidential session.

**ADJOURNMENT**

Chair Geye adjourned the Non-Agricultural Pool meeting at 11:48 a.m.

Secretary: \_\_\_\_\_

Approved: \_\_\_\_\_

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# **CHINO BASIN WATERMASTER**

## **I. CONSENT CALENDAR**

### **A. MINUTES**

1. Agricultural Pool Meeting held on May 11, 2018

**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**AGRICULTURAL POOL MEETING**

May 11, 2018

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on May 11, 2018.

**AGRICULTURAL POOL MEMBERS PRESENT**

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

**WATERMASTER STAFF PRESENT**

Peter Kavounas	General Manager
Joseph Joswiak	Chief Financial Officer
Anna Nelson	Executive Services Director/Board Clerk

**WATERMASTER CONSULTANTS PRESENT**

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

**OTHERS PRESENT**

Tracy Egoscue	Egoscue Law Group, Inc.
Richard Rees	Wood plc

**CALL TO ORDER**

Chair Feenstra called the Agricultural Pool meeting to order at 11:24 a.m.

**AGENDA – ADDITIONS/REORDER**

(0:01:18) Chair Feenstra reordered the agenda to take Confidential Session after Business Item II.A., Watermaster Fiscal Year 2018/19 Proposed Budget, and then proceed to the remainder of the agenda.

**I. CONSENT CALENDAR**

**A. MINUTES**

1. Minutes of the Agricultural Pool Meeting held on April 12, 2018

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of March 2018
2. Watermaster VISA Check Detail for the month of March 2018
3. Combining Schedule for the Period July 1, 2017 through March 31, 2018
4. Treasurer's Report of Financial Affairs for the Period March 1, 2018 through March 31, 2018
5. Budget vs. Actual Report for the Period July 1, 2017 through March 31, 2018

**C. WATER TRANSACTIONS**

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

The transfer of 10,000.00 acre-feet of water from Cucamonga Valley Water District to Fontana Water Company. This transfer is made from Cucamonga Valley Water District's Annual Production Right first, with any additional from Excess Carryover.

(0:02:07)

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

## II. **BUSINESS ITEMS**

### A. **WATERMASTER FISCAL YEAR 2018/19 PROPOSED BUDGET**

Recommend Advisory Committee approval of the proposed FY 2018/19 budget as presented.

(0:02:53) Mr. Joswiak gave a report. A discussion ensued.

(0:40:22)

*Motion by Mr. Ron LaBrucherie, Jr., seconded by Mr. Henry De Haan, and by unanimous vote*  
**Moved to approve Business Item II.A. as presented.**

(0:41:00) The Pool went into Confidential Session.

### B. **PREEMPTIVE REPLENISHMENT AGREEMENT**

Recommend Advisory Committee recommend Board approval.

(0:41:38) Mr. Kavounas gave a report. A discussion ensued.

(0:45:42)

*Motion by Vice-Chair Jeff Pierson, seconded by Mr. John Huitsing, and by unanimous vote*  
**Moved to approve Business Item II.B. as presented.**

### C. **OLD BUSINESS**

(0:47:12) Chair Feenstra raised concern that the City of Ontario requests to cap a well that supplies water to a Christian school in Ontario, and requires the school to begin purchasing the water from the City. Chair Feenstra requested to meet with Mr. Kavounas to discuss his concerns prior to Watermaster taking any action regarding the matter.

## III. **REPORTS/UPDATES**

### A. **LEGAL COUNSEL REPORT**

1. Appeal of April 28, 2017 Order
2. June 22, 2018 Court Hearing

(0:51:53) Mr. Herrema gave a report. A discussion ensued.

### B. **ENGINEER REPORT**

1. Storage Framework
2. Recharge Master Plan Update
3. Prado Basin Habitat Sustainability Committee
4. Reporting

(0:54:34) Mr. Malone gave a report. A discussion ensued. Staff plans to bring a presentation from the State of the Basin report related to groundwater quality at the next meeting.

### C. **CFO REPORT**

None

**D. GM REPORT**

- 1. Other

(1:07:09) Mr. Kavounas reported on the progress of the Pomona extensometer, his meeting with the Department of Water Resources and the State Water Resources Control Board about the Sustainable Groundwater Management Act. He also thanked the Pool for their generous donation to the Climb for Heroes fundraiser, and gave an update on the fundraiser to date.

**IV. INFORMATION**

- 1. Cash Disbursements for April 2018

**V. POOL DISCUSSION**

- 1. Chairman's Update
- 2. Pool Member Comments

None

**VI. OTHER BUSINESS**

None

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Chair Feenstra called for a confidential session at 12:05 p.m. to discuss Preemptive Replenishment, Appeal of April 28, 2017 Order, June 22, 2018 Court Hearing, and Storage. Ms. Egoscue announced that the confidential session concluded at 1:07 p.m. with no reportable action.

**ADJOURNMENT**

Chair Feenstra adjourned the Agricultural Pool meeting at 1:37 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 April 2018
2. Watermaster VISA Check Detail for the month of April 2018
3. Combining Schedule for the Period July 1, 2017 through April 30, 2018
4. Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018
5. Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018

## **I. BUSINESS ITEMS – ROUTINE (Non-Ag Pool)**

### **B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of April 2018
2. Watermaster VISA Check Detail for the month of April 2018
3. Combining Schedule for the Period July 1, 2017 through April 30, 2018
4. Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018
5. Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Cash Disbursement Report - Financial Report B1 (April 30, 2018)

### SUMMARY

Issue: Record of Cash Disbursements for the month of April 2018.

Recommendation: Receive and file Cash Disbursements for April 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2017/18 "Amended" Watermaster Budget.

### Future Consideration

Appropriative Pool – June 14, 2018: Receive and File  
Non-Agricultural Pool – June 14, 2018: Receive and File  
Agricultural Pool – June 15, 2018: Receive and File  
Advisory Committee – June 21, 2018: Receive and File  
Watermaster Board – June 28, 2018: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

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

## DISCUSSION

Total cash disbursements during the month of April 2018 were \$664,879.09.

The most significant expenditures during the month were to Wildermuth Environmental, Inc. in the amount of \$277,731.02 (check number 20761 dated April 24, 2018); Brownstein Hyatt Farber Schreck in the amounts of \$71,859.98 and \$105,694.37 (check number 20727 dated April 2, 2018 and check number 20762 dated April 30, 2018); and Egoscue Law Group, Inc. in the amount of \$41,987.50 (check number 20751 dated April 19, 2018).

## ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/02/2018	20727	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	02/28/2018	713584		713584	6907.44 · SGMA Compliance	4,242.60
Bill	02/28/2018	713585		713585	6907.42 · Safe Yield Recalculation	5,443.20
				Delivery/Ground Transportation	6907.42 · Safe Yield Recalculation	150.00
				Lodging	6907.42 · Safe Yield Recalculation	450.00
Bill	02/28/2018	713586		713586	6907.41 · Prado Basin Habitat Sustain	1,903.50
Bill	02/28/2018	713587		713587	6907.40 · Storage Agreements	8,849.25
				Mileage/Parking Expense	6907.40 · Storage Agreements	36.78
Bill	02/28/2018	713588		713588	6907.39 · Recharge Master Plan	2,361.15
Bill	02/28/2018	713589		713589	6077 · BHFS Legal - Party Status Maint	5,580.90
Bill	02/28/2018	713590		713590	6071 · BHFS Legal - Court Coordination	4,313.70
Bill	02/28/2018	713591		713591	8575 · BHFS Legal - Non-Ag Pool	1,692.90
Bill	02/28/2018	713592		713592	8475 · BHFS Legal - Agricultural Pool	1,692.90
Bill	02/28/2018	713593		713593	8375 · BHFS Legal - Appropriative Pool	1,692.90
Bill	02/28/2018	713594		713594	6375 · BHFS Legal - Board Meeting	3,802.95
				Delivery/Ground Transportation	6375 · BHFS Legal - Board Meeting	150.00
Bill	02/28/2018	713595		713595	6275 · BHFS Legal - Advisory Committee	891.00
				Mileage/Parking Expense	6275 · BHFS Legal - Advisory Committee	36.78
Bill	02/28/2018	713596		713596	6907.36 · Santa Ana River Habitat	89.10
Bill	02/28/2018	713597		713597	6907.34 · Santa Ana River Water Rights	9,579.60
				Research	6907.34 · Santa Ana River Water Rights	28.46
Bill	02/28/2018	713598		713598	6078 · BHFS Legal - Miscellaneous	18,160.19
				Angelica BK	6078 · BHFS Legal - Miscellaneous	442.13
				NRG BK	6078 · BHFS Legal - Miscellaneous	196.43
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	36.78
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	12.26
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	12.26
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	12.26
TOTAL						71,859.98
Bill Pmt -Check	04/03/2018	ACH 040318	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	03/14/2018	1394905143		1394905143	60182.1 · Medical Insurance	8,440.38
TOTAL						8,440.38
Bill Pmt -Check	04/06/2018	20728	CLEAN TECH SERVICES	7821	1012 · Bank of America Gen'l Ckg	
Bill	03/28/2018	7821		7821	6024 · Building Repair & Maintenance	327.00
TOTAL						327.00
Bill Pmt -Check	04/06/2018	20729	DI PRIMIO, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	03/20/2018	3/20 Pre-Board Mtg		3/20/18 Pre-Board Meeting Conference Call	6311 · Board Member Compensation	125.00
Bill	03/22/2018	3/22 Board Mtg		3/22/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						250.00
Bill Pmt -Check	04/06/2018	20730	FEDAK & BROWN LLP	Audit Services	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018			March 2018	6062 · Audit Services	1,500.00
TOTAL						1,500.00
Bill Pmt -Check	04/06/2018	20731	IN-SITU, INC.	Equipment	1012 · Bank of America Gen'l Ckg	
Bill	03/26/2018	00117844			7104.7 · Grdwtr Level-WM Staff-Cap Equip	5,916.68
TOTAL						5,916.68
Bill Pmt -Check	04/06/2018	20732	KAVOUNAS, PETER	Travel Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018			Travel Expense Reimbursement	6191 · Conferences - General	234.77
TOTAL						234.77
Bill Pmt -Check	04/06/2018	20733	PREMIERE GLOBAL SERVICES	25542237	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2018	25542237		WM coordination call on 3/05	6909.1 · OBMP Meetings	6.27
				WM coordination call on 3/05	6909.1 · OBMP Meetings	6.29
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				Storge Framework call on 2/28	7604 · PE8&9-Supplies	18.61
				Pomona Extensometer call on 3/05	6909.1 · OBMP Meetings	18.13
				WM coordination call on 3/19	6909.1 · OBMP Meetings	6.28
				Pomona Extensometer call on 3/19	6909.1 · OBMP Meetings	14.23
				Board agenda preview call	6312 · Meeting Expenses	6.28
				HCP call on 3/23	6909.1 · OBMP Meetings	6.90
				WM coordination call on 3/26	6909.1 · OBMP Meetings	14.77
				Service Fee	6022 · Telephone	7.56
TOTAL						203.32
Bill Pmt -Check	04/06/2018	20734	RR FRANCHISING, INC.	54051	1012 · Bank of America Gen'l Ckg	
Bill	04/02/2018	54051		Monthly service - April 2018	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	04/06/2018	20735	STATE COMPENSATION INSURANCE FUND	1970970-17	1012 · Bank of America Gen'l Ckg	
Bill	04/01/2018	1970970-17		Monthly premium 3/26/18-4/26/18	60183 · Worker's Comp Insurance	520.50
TOTAL						520.50
Bill Pmt -Check	04/06/2018	20736	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	04/02/2018	08-2 213849		April 2018	6024 · Building Repair & Maintenance	117.14
TOTAL						117.14
General Journal	04/07/2018	04/07/2018	Payroll and Taxes for 03/25/18-04/07/18	Payroll and Taxes for 03/25/18-04/07/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 03/25/18-04/07/18	1012 · Bank of America Gen'l Ckg	26,067.84
				Payroll Taxes for 03/25/18-04/07/18	1012 · Bank of America Gen'l Ckg	8,423.26
			ICMA-RC	457(b) Employee Deductions for 03/25/18-04/07/18	1012 · Bank of America Gen'l Ckg	4,654.53
			ICMA-RC	401(a) Employee Deductions for 03/25/18-04/07/18	1012 · Bank of America Gen'l Ckg	1,285.52
TOTAL						40,431.15
Bill Pmt -Check	04/10/2018	20737	ACCENT COMPUTER SOLUTIONS, INC.	120907	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2018	120907		GM's desktop - final payment	6055 · Computer Hardware	891.97
TOTAL						891.97
Bill Pmt -Check	04/10/2018	20738	APPLIED COMPUTER TECHNOLOGIES	2962	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018	2962		Database Consulting Services - March 2018	6052.2 · Applied Computer Technol	3,315.40
TOTAL						3,315.40
P17 Bill Pmt -Check	04/10/2018	20739	CHEF DAVE'S CAFE & CATERING	8156	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2018	8156		Lunch for 3/22/18 Watermaster Board meeting	6312 · Meeting Expenses	600.69
TOTAL						600.69
Bill Pmt -Check	04/10/2018	20740	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/22/2018	3/22 Board Mtg		3/22/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	04/10/2018	20741	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/06/2018	3/06 Admin Mtg		3/06/18 Administrative Meeting	6311 · Board Member Compensation	125.00
Bill	03/22/2018	3/22 Board Mtg		3/22/18 Board Meeting	6311 · Board Member Compensation	125.00
Bill	03/30/2018	3/20 Admin Mtg		3/30/18 Administrative Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	04/10/2018	20742	PAYCHEX	2018032900	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018	2018032900		March 2018	6012 · Payroll Services	310.67
TOTAL						310.67
Bill Pmt -Check	04/10/2018	20743	PIERSON, JEFFREY	Board and Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/08/2018	3/08 Ag Pool Mtg		3/08/18 Ag Pool Meeting	8411 · Compensation	125.00
Bill	03/15/2018	3/15 Advisory Comm		3/15/18 Advisory Committee meeting	8411 · Compensation	125.00
Bill	03/15/2018	3/15 RIPCom Mtg		3/15/18 RIPCom Meeting	8411 · Compensation	125.00

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	03/20/2018	3/20 Board Conf Call		3/20/18 Board Executive Committee conf. call	6311 · Board Member Compensation	125.00
Bill	03/22/2018	3/22 Board Mtg		3/22/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						625.00
Bill Pmt -Check	04/10/2018	20744	RAUCH COMMUNICATION CONSULTANTS, LLC Jan-1803		1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018	Jan-1803		AR40 - January - February 2018	6061.3 · Rauch	1,600.00
TOTAL						1,600.00
Bill Pmt -Check	04/10/2018	20745	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018	7076224530355049		Fuel - March 2018	6175 · Vehicle Fuel	72.01
TOTAL						72.01
Bill Pmt -Check	04/12/2018	ACH 041218	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	04/07/2018	04/07/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 03/28/18-04/07/18	2000 · Accounts Payable	6,668.35
TOTAL						6,668.35
General Journal	04/13/2018	04/13/2018		JWilson Take Care Wage Works Funds	1012 · Bank of America Gen'l Ckg	
				JWilson Take Care Wage Works Funds	60194 · Other Employee Insurance	-727.34
TOTAL						-727.34
Check	04/16/2018	04/16/2018	Service Charge	Service Charge	1012 · Bank of America Gen'l Ckg	
				Service Charge	6039.1 · Banking Service Charges	602.31
TOTAL						602.31
Bill Pmt -Check	04/19/2018	20746	ACWA JOINT POWERS INSURANCE AUTHORITY 05460058		1012 · Bank of America Gen'l Ckg	
Bill	04/13/2018	0546058		Prepayment - May 2018	1409 · Prepaid Life, BAD&D & LTD	217.89
				April 2018	60191 · Life & Disab.Ins Benefits	217.89
TOTAL						435.78
Bill Pmt -Check	04/19/2018	20747	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2018	XXXX-XXXX-XXXX-9341		Miscellaneous office supplies	6031.7 · Other Office Supplies	265.50
				50% deposit-wireless access points	6055 · Computer Hardware	1,680.90
				50% deposit-ETF laptop	6055 · Computer Hardware	1,217.94
				Jacket for ETF	6154 · Uniforms	72.97
				Replacement keyboard/mouse combo	6055 · Computer Hardware	26.93
				HR meeting JJ/PK/AT	6141.3 · Admin Meetings	46.41
				PK expense for GRA Symposium	6191 · Conferences - General	17.71
				PK hotel for GRA Symposium	6191 · Conferences - General	653.32
				PK expense for GRA Symposium	6191 · Conferences - General	10.23
				Lunch-budget discusson for Storage Framework	6909.1 · OBMP Meetings	9.39



CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
				PK meeting w/B. Kuhn	6312 · Meeting Expenses	24.24
				ETF-registration-3/22/18 Inland Empire Branch mtg	6192 · Seminars - General	15.00
				Lunch-3/13/18 RMPU Steering Committee	7204 · Comp Recharge-Supplies	60.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	11.48
				PK meeting w/B. DiPrimio	6312 · Meeting Expenses	23.03
				PK flight-6/06/18 GRA-First Annual GSA Summit	6191 · Conferences - General	181.95
				Early bird check in for above flight	6191 · Conferences - General	15.00
				Early bird check in for above flight	6191 · Conferences - General	15.00
				CG registration for 3/19/18 Proofreading seminar	6192 · Seminars - General	97.00
				Supplies for 3/22/18 staff meeting	6141.3 · Admin Meetings	14.54
				AT registration for 4/06/18 Shorthand webinar	6192 · Seminars - General	197.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	16.15
				PK meeting w/B. Lewis - Golden State Water Co	8312 · Meeting Expenses	15.88
				PK flight-5/03/18 Sacramento meeting-early bird	6173 · Airfare/Mileage	15.00
				PK flight for 5/03/18 Sacramento meeting	6173 · Airfare/Mileage	330.87
				RZ hotel-4/02/18 AWWA Operator Symposium	6191 · Conferences - General	358.36
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.77
				HR meeting JJ/PK/AT	6141.3 · Admin Meetings	35.96
				PK meeting w/T. Layton, V. Jew	8312 · Meeting Expenses	60.77
				Parking-PK-Anne Schneider Lecture-Sacramento	6191 · Conferences - General	18.00
				PK meal at airport	6191 · Conferences - General	17.87
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TOTAL						5,546.17
Bill Pmt -Check	04/19/2018	20748	CORELOGIC INFORMATION SOLUTIONS	81883243	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2018	81883243		81883243	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81883243	7101.4 · Prod Monitor-Computer	62.50
TOTAL						125.00
Bill Pmt -Check	04/19/2018	20749	CUCAMONGA VALLEY WATER DISTRICT	Office Rent	1012 · Bank of America Gen'l Ckg	
Bill	04/16/2018			Office lease due May 1, 2018	1422 · Prepaid Rent	6,608.80
TOTAL						6,608.80
Bill Pmt -Check	04/19/2018	20750	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	03/08/2018	3/08 Ag Pool Mtg		3/08/18 Ag Pool Meeting	8411 · Compensation	25.00
				3/08/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	04/19/2018	20751	EGOSCUE LAW GROUP, INC.	11911	1012 · Bank of America Gen'l Ckg	
Bill	03/30/2018	11911		Ag Pool Legal Services - March 2018	8467 · Ag Legal & Technical Services	41,987.50
TOTAL						41,987.50

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/19/2018	20752	GREAT AMERICA LEASING CORP.	22490394	1012 - Bank of America Gen'l Ckg	
Bill	04/17/2018	22490394		Invoice for April 2018	6043.1 - Ricoh Lease Fee	2,605.07
TOTAL						<u>2,605.07</u>
Bill Pmt -Check	04/19/2018	20753	HUITSING, JOHN	Ag Pool Member Compensation	1012 - Bank of America Gen'l Ckg	
Bill	03/08/2018	3/08 Ag Pool Mtg		3/08/18 Special Ag Pool Meeting	8411 - Compensation	25.00
				3/08/18 Special Ag Pool Meeting	8470 - Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	04/19/2018	20754	LEGAL SHIELD	0111802	1012 - Bank of America Gen'l Ckg	
Bill	04/17/2018	0111802		Employee deductions - April 2018	60194 - Other Employee Insurance	79.70
TOTAL						<u>79.70</u>
Bill Pmt -Check	04/19/2018	20755	LOEB & LOEB LLP	1765470	1012 - Bank of America Gen'l Ckg	
Bill	03/30/2018	1765470		Non-Ag Pool Legal Services - March 2018	8567 - Non-Ag Legal Service	2,588.37
TOTAL						<u>2,588.37</u>
P20 Bill Pmt -Check	04/19/2018	20756	PITNEY BOWES CREDIT CORPORATION	3102072996	1012 - Bank of America Gen'l Ckg	
Bill	04/13/2018	3102072996		Postage meter lease	6044 - Postage Meter Lease	401.91
TOTAL						<u>401.91</u>
Bill Pmt -Check	04/19/2018	20757	STAULA, MARY L	Retiree Medical	1012 - Bank of America Gen'l Ckg	
Bill	04/30/2018				60182.4 - Retiree Medical	25.17
TOTAL						<u>25.17</u>
Bill Pmt -Check	04/19/2018	20758	UNITED HEALTHCARE	0045202195	1012 - Bank of America Gen'l Ckg	
Bill	04/13/2018	0045202195		Dental Insurance Premium - May 2018	60182.2 - Dental & Vision Ins	749.75
TOTAL						<u>749.75</u>
Bill Pmt -Check	04/19/2018	20759	VERIZON WIRELESS	9804751207	1012 - Bank of America Gen'l Ckg	
Bill	04/13/2018	9804751207		Acct #470810953-00001	6022 - Telephone	297.55
TOTAL						<u>297.55</u>
Bill Pmt -Check	04/19/2018	20760	ZAPIEN, ENRIQUE	Travel Expense Reimbursement	1012 - Bank of America Gen'l Ckg	
Bill	04/16/2018			Reimburse-AWWA 2018 Operator Symposium	6192 - Seminars - General	168.95
TOTAL						<u>168.95</u>
General Journal	04/21/2018	04/21/2018	Payoll and Taxes for 04/08/18-04/21/18	Payoll and Taxes for 04/08/18-04/21/18	1012 - Bank of America Gen'l Ckg	
				Direct Deposits for 04/08/18-04/21/18	1012 - Bank of America Gen'l Ckg	26,903.48

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
				Payroll and Taxes for 04/08/18-04/21/18	1012 · Bank of America Gen'l Ckg	8,578.50
			ICMA-RC	457(b) Employee Deductions for 04/08/18-04/21/18	1012 · Bank of America Gen'l Ckg	4,738.05
			ICMA-RC	401(a) Employee Deductions for 04/08/18-04/21/18	1012 · Bank of America Gen'l Ckg	1,303.27
TOTAL						41,523.30
<b>Bill Pmt -Check</b>	<b>04/24/2018</b>	<b>20761</b>	<b>WILDERMUTH ENVIRONMENTAL INC</b>		<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	03/31/2018	2018082		2018082	6906.31 · OBMP-Pool, Adv. Board Mtgs	3,249.98
Bill	03/31/2018	2018083		2018083	6906.32 · OBMP-Other General Meetings	8,713.13
Bill	03/31/2018	2018084		2018084	6906.71 · OBMP-Data Req.-CBWM Staff	8,810.19
Bill	03/31/2018	2018085		2018085	6906.72 · OBMP-Data Req.-Non CBWM Staff	7,365.05
Bill	03/31/2018	2018086		2018086	6906.23 · SGMA Reporting Requirements	241.20
Bill	03/31/2018	2018087		2018087	6906 · OBMP Engineering Services	3,342.30
Bill	03/31/2018	2018088		2018088	6906.24 · Compliance-SB88 and SWRCB	2,061.90
Bill	03/31/2018	2018089		2018089	7103.3 · Grdwtr Qual-Engineering	22,047.88
Bill	03/31/2018	2018090		2018090	7104.3 · Grdwtr Level-Engineering	33,620.49
Bill	03/31/2018	2018091		Neva Ridge Technologies, Inc.	7107.6 · Grd Level-Contract Svcs	19,800.00
				2018091	7107.2 · Grd Level-Engineering	50.25
Bill	03/31/2018	2018092		2018092	7107.2 · Grd Level-Engineering	3,777.42
				WSP USA Inc.	7107.6 · Grd Level-Contract Svcs	62,405.94
Bill	03/31/2018	2018093		2018093	7108.31 · Hydraulic Control - PBHSP	30,643.59
Bill	03/31/2018	2018094		2018094	7202.2 · Engineering Svc	971.23
Bill	03/31/2018	2018095		2018095	7402 · PE4-Engineering	7,246.72
Bill	03/31/2018	2018096		2018096	7402.10 · PE4 - Northwest MZ1 Area Proj.	2,527.45
Bill	03/31/2018	2018097		2018097	7502 · PE6&7-Engineering	12,975.30
Bill	03/31/2018	2018098		2018098	7510 · PE6&7-IEUA Salinity Mgmt. Plan	16,109.85
Bill	03/31/2018	2018099		2018099	7602 · PE8&9-Engineering	31,771.15
TOTAL						277,731.02
<b>Bill Pmt -Check</b>	<b>04/24/2018</b>	<b>ACH 042418</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	04/01/2018	15248756		Annual Unfunded Accrued Liability	60180 · Employers PERS Expense	4,348.52
TOTAL						4,348.52
<b>Bill Pmt -Check</b>	<b>04/27/2018</b>	<b>ACH 042718</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3493</b>	<b>1012 · Bank of America Gen'l Ckg</b>	
General Journal	04/21/2018	04/21/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/08/18-04/21/18	2000 · Accounts Payable	6,725.08
TOTAL						6,725.08
<b>Bill Pmt -Check</b>	<b>04/30/2018</b>	<b>20762</b>	<b>BROWNSTEIN HYATT FARBER SCHRECK</b>		<b>1012 · Bank of America Gen'l Ckg</b>	
Bill	03/31/2018	718035		718035	6078 · BHFS Legal - Miscellaneous	17,208.45
				Angelica BK	6078 · BHFS Legal - Miscellaneous	142.20
				NRG BK	6078 · BHFS Legal - Miscellaneous	190.35

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount
				Watermaster 101	6078 · BHFS Legal - Miscellaneous	2,583.90
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	73.56
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	12.26
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	12.26
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	12.26
Bill	03/31/2018	718036		Employee Handbook	6073 · BHFS Legal - Personnel Matters	7,056.45
				Research - Westlaw	6073 · BHFS Legal - Personnel Matters	264.22
				Telephone	6073 · BHFS Legal - Personnel Matters	3.95
Bill	03/31/2018	718037		718037	6907.34 · Santa Ana River Water Rights	9,648.90
				Federal Express	6907.34 · Santa Ana River Water Rights	15.90
Bill	03/31/2018	718038		718038	6907.33 · Desalter/Hydraulic Control	400.95
Bill	03/31/2018	718039		718039	6275 · BHFS Legal - Advisory Committee	1,470.15
				Mileage/Parking Expense	6275 · BHFS Legal - Advisory Committee	36.78
Bill	03/31/2018	718040		718040	6375 · BHFS Legal - Board Meeting	4,876.20
				Delivery/Ground Transportation	6375 · BHFS Legal - Board Meeting	150.00
				718040	6275 · BHFS Legal - Advisory Committee	267.30
Bill	03/31/2018	718041		718041	6071 · BHFS Legal - Court Coordination	11,683.80
Bill	03/31/2018	718042		718042	6077 · BHFS Legal - Party Status Maint	2,811.60
Bill	03/31/2018	718043		718043	6907.38 · Reg. Water Quality Cntrl Board	1,202.85
				Mileage/Parking Expense	6907.38 · Reg. Water Quality Cntrl Board	57.21
Bill	03/31/2018	718044		718044	6907.39 · Recharge Master Plan	5,704.20
Bill	03/31/2018	718045		718045	6907.40 · Storage Agreements	15,944.85
				Delivery/Ground Transportation	6907.40 · Storage Agreements	150.00
Bill	03/31/2018	718046		718046	6907.41 · Prado Basin Habitat Sustain	3,164.40
				Mileage/Parking Expense	6907.41 · Prado Basin Habitat Sustain	44.72
Bill	03/31/2018	718047		718047	6907.42 · Safe Yield Recalculation	13,183.20
				Lodging for 3/14	6907.42 · Safe Yield Recalculation	225.00
				Lodging for 3/22	6907.42 · Safe Yield Recalculation	225.00
Bill	03/31/2018	718048		718048	6907.44 · SGMA Compliance	6,046.65
Bill	03/31/2018	718049		718049	6907.46 · Upper SAR Integrated Model	824.85
TOTAL						105,694.37
Bill Pmt -Check	04/30/2018	20763	ACCENT COMPUTER SOLUTIONS, INC.		1012 · Bank of America Gen'l Ckg	
Bill	04/24/2018	121136		Monthly billing for May 2018	6052.4 · IT Managed Services	4,128.00
				Office 365 monthly subscriptions	6054 · Computer Software	16.50
Bill	04/26/2018	121227		Monitor adapter exchange for ETF	6055 · Computer Hardware	82.07
TOTAL						4,226.57
Bill Pmt -Check	04/30/2018	20764	BUSINESS TELECOMMUNICATION SYSTEMS IN 13516		1012 · Bank of America Gen'l Ckg	
Bill	04/24/2018	13516		Receptionist desk cordless phone & installation	6022 · Telephone	1,070.42

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

	Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL							1,070.42
	Bill Pmt -Check	04/30/2018	20765	CENTURYLINK	70088243	1012 · Bank of America Gen'l Ckg	
	Bill	04/24/2018	70088243		4/17/18-5/16/18	6053 · Internet Expense	1,051.36
TOTAL							1,051.36
	Bill Pmt -Check	04/30/2018	20766	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg	
	Bill	03/15/2018	L0382002		L0382002	7108.41 · Hydraulic Control - PBHSP	992.00
	Bill	03/16/2018	L0382837		L0382837	7108.41 · Hydraulic Control - PBHSP	992.00
	Bill	03/19/2018	L0382168		L0382168	7108.41 · Hydraulic Control - PBHSP	1,240.00
	Bill	03/21/2018	L0382839		L0382839	7108.41 · Hydraulic Control - PBHSP	992.00
TOTAL							4,216.00
	Bill Pmt -Check	04/30/2018	20767	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
	Bill	04/24/2018	90948438900509145		Office fax	6022 · Telephone	143.99
TOTAL							143.99
	Bill Pmt -Check	04/30/2018	20768	JOHN J. SCHATZ	Appropriative Pool Lgeal Services	1012 · Bank of America Gen'l Ckg	
	Bill	03/31/2018			Approp. Pool Legal Services - Feb. & Mar. 2018	8367 · Legal Service	5,720.00
TOTAL							5,720.00
	Bill Pmt -Check	04/30/2018	20769	RBM LOCK & KEY	0000093283	1012 · Bank of America Gen'l Ckg	
	Bill	03/31/2018	0000093283		Install lock on IT/server room & extra keys	6024 · Building Repair & Maintenance	266.01
TOTAL							266.01
	Bill Pmt -Check	04/30/2018	20770	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
	Bill	04/24/2018	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	786.43
TOTAL							786.43
	Bill Pmt -Check	04/30/2018	20771	STAPLES BUSINESS ADVANTAGE	8049527505	1012 · Bank of America Gen'l Ckg	
	Bill	04/24/2018	8049527505		Miscellaneous office supplies	6031.7 · Other Office Supplies	191.53
TOTAL							191.53
	Bill Pmt -Check	04/30/2018	20772	ULLOA, EUNICE	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	03/31/2018	1/11 Appro Pool Mtg		1/11/18 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00
	Bill	03/31/2018	1/16 Admin Mtg		1/16/18 Administrative meeting w/PK, T. Haughey	6311 · Board Member Compensation	125.00
	Bill	03/31/2018	1/18 Advisory Comm		1/18/18 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
	Bill	03/31/2018	1/25 Board Mtg		1/25/18 Board Meeting	6311 · Board Member Compensation	125.00
	Bill	03/31/2018	1/31 Storage Wkshp		1/31/18 Storage Workshop	6311 · Board Member Compensation	125.00
	Bill	03/31/2018	2/08 Appro Pool Mtg		2/08/18 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
April 2018

Type	Date	Num	Name	Memo	Account	Paid Amount	
Bill	03/31/2018	2/15 Advisory Comm		2/15/18 Advisory Committee Meeting	6311 · Board Member Compensation	125.00	
Bill	03/31/2018	2/22 Board Mtg		2/22/18 Board Meeting	6311 · Board Member Compensation	125.00	
Bill	03/31/2018	3/15 Advisory Comm		3/15/18 Advisory Committee Meeting	6311 · Board Member Compensation	125.00	
Bill	03/31/2018	3/14 Storage Wkshp		3/14/18 Storage Workshop	6311 · Board Member Compensation	125.00	
Bill	03/31/2018	3/22 Board Mtg		3/22/18 Board Meeting	6311 · Board Member Compensation	125.00	
Bill	04/12/2018	4/12 Appro Pool Mtg		4/12/18 Appropriative Pool Meeting	6311 · Board Member Compensation	125.00	
Bill	04/19/2018	4/19 Advisory Comm		4/19/18 Advisory Committee Meeting	6311 · Board Member Compensation	125.00	
Bill	04/24/2018	4/24 Budget Wkshp		4/24/18 Budget Workshop #1	6311 · Board Member Compensation	125.00	
Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board Meeting	6311 · Board Member Compensation	125.00	
TOTAL						1,875.00	
Bill Pmt -Check	04/30/2018	20773	VERIZON WIRELESS	9805287812	1012 · Bank of America Gen'l Ckg		
Bill	04/24/2018	9805287812		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.14	
TOTAL						100.14	
Bill Pmt -Check	04/30/2018	20774	ZAPIEN, ENRIQUE	Reimbursement	1012 · Bank of America Gen'l Ckg		
Bill	04/24/2018			Reimbursement for safety shoes	6152 · Safety Shoes	169.70	
TOTAL						169.70	
<b>P 24</b>	General Journal	04/30/2018	04/30/2018	Wage Works FSA Direct Debits - April 2018	Wage Works FSA Direct Debits - April 2018	1012 · Bank of America Gen'l Ckg	
					Wage Works FSA Direct Debits - April 2018	1012 · Bank of America Gen'l Ckg	696.15
					Wage Works FSA Direct Debits - April 2018	1012 · Bank of America Gen'l Ckg	696.15
					Wage Works FSA Direct Debits - April 2018	1012 · Bank of America Gen'l Ckg	696.15
					Wage Works FSA Direct Debits - April 2018	1012 · Bank of America Gen'l Ckg	81.50
TOTAL						2,169.95	
					<b>Total Disbursements:</b>	<b>664,879.09</b>	



# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: VISA Check Detail Report - Financial Report B2 (April 30, 2018)

### SUMMARY

Issue: Record of VISA credit card payment disbursed for the month of April 2018.

Recommendation: Receive and file VISA Check Detail Report for April 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2017/18 "Amended" Watermaster Budget.

### Future Consideration

Appropriative Pool – June 14, 2018: Receive and File  
Non-Agricultural Pool – June 14, 2018: Receive and File  
Agricultural Pool – June 15, 2018: Receive and File  
Advisory Committee – June 21, 2018: Receive and File  
Watermaster Board – June 28, 2018: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

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

## DISCUSSION

The total cash disbursements during the month of April 2018 were \$5,546.17. The payment was processed in the amount of \$5,546.17 (by check number 20747 dated April 19, 2018). The monthly charges for April 2018 of \$5,546.17 were for routine and customary expenditures and properly documented with receipts.

## ATTACHMENTS

1. Financial Report - B2



CHINO BASIN WATERMASTER  
VISA Check Detail Report  
April 2018

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	04/19/2018	20747	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	03/31/2018	XXXX-XXXX-XXXX-9341		Miscellaneous office supplies	6031.7 · Other Office Supplies	265.50
				50% deposit-wireless access points	6055 · Computer Hardware	1,680.90
				50% deposit-ETF laptop	6055 · Computer Hardware	1,217.94
				Jacket for ETF	6154 · Uniforms	72.97
				Replacement keyboard/mouse combo	6055 · Computer Hardware	26.93
				HR meeting JJ/PK/AT	6141.3 · Admin Meetings	46.41
				PK expense for GRA Symposium	6191 · Conferences - General	17.71
				PK hotel for GRA Symposium	6191 · Conferences - General	653.32
				PK expense for GRA Symposium	6191 · Conferences - General	10.23
				Lunch-budget discusson for Storage Framework	6909.1 · OBMP Meetings	9.39
				PK meeting w/B. Kuhn	6312 · Meeting Expenses	24.24
				ETF-registration-3/22/18 Inland Empire Branch mtg	6192 · Seminars - General	15.00
				Lunch-3/13/18 RMPU Steering Committee	7204 · Comp Recharge-Supplies	60.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	11.48
				PK meeting w/B. DiPrimio	6312 · Meeting Expenses	23.03
				PK flight-6/06/18 GRA-First Annual GSA Summit	6191 · Conferences - General	181.95
				Early bird check in for above flight	6191 · Conferences - General	15.00
				Early bird check in for above flight	6191 · Conferences - General	15.00
				CG registration for 3/19/18 Proofreading seminar	6192 · Seminars - General	97.00
				Supplies for 3/22/18 staff meeting	6141.3 · Admin Meetings	14.54
				AT registration for 4/06/18 Shorthand webinar	6192 · Seminars - General	197.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	16.15
				PK meeting w/B. Lewis - Golden State Water Co	8312 · Meeting Expenses	15.88
				PK flight-5/03/18 Sacramento meeting-early bird	6173 · Airfare/Mileage	15.00
				PK flight for 5/03/18 Sacramento meeting	6173 · Airfare/Mileage	330.87
				RZ hotel-4/02/18 AWWA Operator Symposium	6191 · Conferences - General	358.36
				Miscellaneous office supplies	6031.7 · Other Office Supplies	21.77
				HR meeting JJ/PK/AT	6141.3 · Admin Meetings	35.96
				PK meeting w/T. Layton, V. Jew	8312 · Meeting Expenses	60.77
				Parking-PK-Anne Schneider Lecture-Sacramento	6191 · Conferences - General	18.00
				PK meal at airport	6191 · Conferences - General	17.87
					<b>Total Disbursements:</b>	<b>5,546.17</b>

TOTAL

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# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period  
July 1, 2017 through April 30, 2018 - Financial Report B3 (April 30, 2018)

### SUMMARY

Issue: Record of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2017 through April 30, 2018.

Recommendation: Receive and file Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2017 through April 30, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2017/18 "Amended" Watermaster Budget.

### Future Consideration

Appropriative Pool – June 14, 2018: Receive and File  
Non-Agricultural Pool – June 14, 2018: Receive and File  
Agricultural Pool – June 15, 2018: Receive and File  
Advisory Committee – June 21, 2018: Receive and File  
Watermaster Board – June 28, 2018: Receive and File (Normal Course of Business)

---

### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2017 through April 30, 2018 is provided to keep all members apprised of the FY 2017/18 cumulative Watermaster revenues, expenditures and changes in net assets for the period listed.

## DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Net Assets has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Combining Schedule provided balances to the supporting documentation in the Watermaster accounting system as presented.

## ATTACHMENTS:

1. Financial Report - B3

CHINO BASIN WATERMASTER  
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET ASSETS  
 FOR THE PERIOD JULY 1, 2017 THROUGH APRIL 30, 2018

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WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS			GROUNDWATER REPLENISHMENT	LAIF VALUE ADJ.	GASB 68 BEG. NET POSITION	GRAND TOTALS	AMENDED BUDGET 2017-2018
		APPROPRIATIVE POOL	AG POOL	NON-AG POOL					
Administrative Revenues:									
Administrative Assessments		8,407,584		360,243			8,767,827	11,607,166	
Interest Revenue		97,806	4,607	1,112			103,524	39,906	
Mutual Agency Project Revenue	193,622						193,622	191,626	
Miscellaneous Income	70						70	0	
<b>Total Revenues</b>	<b>193,692</b>	<b>8,505,390</b>	<b>4,607</b>	<b>361,355</b>	<b>-</b>	<b>-</b>	<b>9,065,043</b>	<b>11,838,698</b>	
Administrative & Project Expenditures:									
Watermaster Administration	1,469,987						1,469,987	1,339,393	
Watermaster Board-Advisory Committee	137,331						137,331	219,454	
Ag Pool Misc. Expense - Ag Fund			57				57	400	
Pool Administration		90,505	311,657	72,356			474,518	619,252	
Optimum Basin Mgmt Administration	967,117						967,117	1,374,142	
OBMP Project Costs	2,803,668						2,803,668	5,590,384	
Debt Service	457,644						457,644	515,375	
Basin Recharge Improvements	398,469						398,469	6,692,293	
<b>Total Administrative/OBMP Expenses</b>	<b>1,607,318</b>	<b>4,626,897</b>	<b>90,505</b>	<b>311,657</b>	<b>72,356</b>	<b>-</b>	<b>6,708,790</b>	<b>16,350,693</b>	
Net Administrative/OBMP Expenses	(1,413,626)	(4,626,897)							
Allocate Net Admin Expenses To Pools	1,413,626		1,026,248	335,091	52,287				
Allocate Net OBMP Expenses To Pools		3,770,785	2,737,472	893,840	139,473				
Allocate Debt Service to App Pool		457,644	457,644						
Allocate Basin Recharge to App Pool		398,469	398,469						
Agricultural Expense Transfer*		1,540,588	(1,540,588)						
<b>Total Expenses</b>		<b>6,250,925</b>	<b>57</b>	<b>264,116</b>	<b>-</b>	<b>-</b>	<b>6,708,790</b>	<b>16,350,693</b>	
<b>Net Administrative Income</b>		<b>2,254,464</b>	<b>4,550</b>	<b>97,239</b>	<b>-</b>	<b>-</b>	<b>2,356,253</b>	<b>(4,511,995)</b>	
Other Income/(Expense)									
Replenishment Water Assessments					858,518		858,518	0	
Desalter Replenishment Obligation					-		-	0	
Non-Ag Stored Water Purchases							-	0	
Exhibit "G" Non-Ag Pool Water							-	0	
Interest Revenue					2,259		2,259	0	
MWD Water Purchases							-	0	
Non-Ag Stored Water Purchases							-	0	
Exhibit "G" Non-Ag Pool Water							-	0	
MWD Water Purchases							-	0	
Groundwater Replenishment					(763,169)		(763,169)	0	
LAIF - Fair Market Value Adjustment							-	0	
Gain on Sale of Assets		1,637		63			1,700	0	
Other Post-Employment Benefits (OPEB)		-		-			-	0	
Refund-Excess Reserves		-		-			-	0	
Refund-Recharge Debt		(78,397)					(78,397)	0	
Funding To/(From) Reserves							-	(392,216)	
<b>Net Other Income/(Expense)</b>		<b>(76,760)</b>	<b>-</b>	<b>63</b>	<b>97,607</b>	<b>-</b>	<b>20,910</b>	<b>(392,216)</b>	
Net Transfers To/(From) Reserves	2,377,163	2,177,704	4,550	97,302	97,607	-	2,377,163	(4,119,779)	
Net Assets, July 1, 2017	0	9,038,790	486,234	45,146	(102,141)	(11,905)	(740,195)	8,715,929	
Net Assets, End of Period		11,216,495	490,784	142,448	(4,534)	(11,905)	(740,195)	11,093,093	
<b>16/17 Assessable Production</b>		<b>82,269.159</b>	<b>26,862.554</b>	<b>4,191.579</b>				<b>113,323.292</b>	
<b>16/17 Production Percentages</b>		<b>72.597%</b>	<b>23.704%</b>	<b>3.699%</b>				<b>100.000%</b>	

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

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# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018  
- Financial Report B4 (April 30, 2018)

### SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of April 1, 2018 through April 30, 2018.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2017/18 "Amended" Watermaster Budget.

### Future Consideration

Appropriative Pool – June 14, 2018: Receive and File  
Non-Agricultural Pool – June 14, 2018: Receive and File  
Agricultural Pool – June 15, 2018: Receive and File  
Advisory Committee – June 21, 2018: Receive and File  
Watermaster Board – June 28, 2018: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

A Treasurer's Report of Financial Affairs for the Period April 1, 2018 through April 30, 2018 is provided to keep all members apprised of the total cash in banks (Bank of America, LAIF, and CalTRUST); cash on deposit in trust with the County of San Bernardino as a result of the Cooperation and Reimbursement Agreement between Chino Basin Watermaster and County of San Bernardino dated May 25, 2017; and cash on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF) and/or CalTRUST, the most current effective yield as of the last quarter, and the ending balance in LAIF as of the reporting date.

## DISCUSSION

The Treasurer's Report of Financial Affairs has been created from various financial reports and statements created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Treasurer's Report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

## ATTACHMENTS

1. Financial Report - B4



**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
APRIL 1, 2018 THROUGH APRIL 30, 2018**

Financial Report - B4

**DEPOSITORIES:**

Cash on Hand - Petty Cash			\$	500
Bank of America				
Governmental Checking-Demand Deposits	\$	457,473		
Zero Balance Account - Payroll		-		457,473
Trust Account - County of San Bernardino				845
Local Agency Investment Fund - Sacramento				12,361,569
<b>TOTAL CASH IN BANKS AND ON HAND</b>				<b>\$ 12,820,387</b>
TOTAL CASH IN BANKS AND ON HAND	4/30/2018			13,406,661
	3/31/2018			13,406,661
<b>PERIOD INCREASE (DECREASE)</b>				<b>\$ (586,274)</b>

**CHANGE IN CASH POSITION DUE TO:**

Decrease/(Increase) in Assets: Accounts Receivable			\$	68,437
Assessments Receivable				-
Prepaid Expenses, Deposits & Other Current Assets				1,374
(Decrease)/Increase in Liabilities: Accounts Payable				72,989
Accrued Payroll, Payroll Taxes & Other Current Liabilities				4,860
Long Term Liabilities				2,198
Transfer to/(from) Reserves				(736,132)
<b>PERIOD INCREASE (DECREASE)</b>				<b>\$ (586,274)</b>

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**SUMMARY OF FINANCIAL TRANSACTIONS:**

	Petty Cash	Gov't'l Checking Demand	Zero Balance Account Payroll	Trust Account County of San Bernardino	Local Agency Investment Funds	Totals
Balances as of 3/31/2018	\$ 500	\$ 8,145	\$ -	\$ 15,000	\$ 13,383,016	\$ 13,406,661
Deposits	-	1,114,935	-	-	53,553	1,168,487
Transfers	-	(110,909)	(69,973)	-	(1,075,000)	(1,255,882)
Withdrawals/Checks	-	(554,697)	69,973	(14,155)	-	(498,879)
Balances as of 4/30/2018	\$ 500	\$ 457,473	\$ -	\$ 845	\$ 12,361,569	\$ 12,820,387
<b>PERIOD INCREASE OR (DECREASE)</b>	<b>\$ -</b>	<b>\$ 449,328</b>	<b>\$ -</b>	<b>\$ (14,155)</b>	<b>\$ (1,021,447)</b>	<b>\$ (586,274)</b>

CHINO BASIN WATERMASTER  
 TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
 APRIL 1, 2018 THROUGH APRIL 30, 2018

**INVESTMENT TRANSACTIONS**

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
4/2/2018	Withdrawal		(525,000)				
4/13/2018	Interest		53,553				
4/27/2018	Withdrawal		(550,000)				
<b>TOTAL INVESTMENT TRANSACTIONS</b>			<b>\$ (1,021,447)</b>	<b>\$0</b>			

\* The earnings rate for L.A.I.F. is a daily variable rate; 1.51% was the effective yield rate at the Quarter ended March 31, 2018.

**INVESTMENT STATUS**  
 April 30, 2018

<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	\$ 12,361,569			
<b>TOTAL INVESTMENTS</b>	<b>\$ 12,361,569</b>			

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: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018 -  
Financial Report B5 (April 30, 2018)

### SUMMARY

Issue: Record of revenues and expenses of Watermaster for the Period of July 1, 2017 through April 30, 2018.

Recommendation: Receive and file Budget vs. Actual Report for the Period July 1, 2017 through April 30, 2018 as presented.

Financial Impact: Funds disbursed were included in the FY 2017/18 "Amended" Watermaster Budget.

### Future Consideration

Appropriative Pool – June 14, 2018: Receive and File  
Non-Agricultural Pool – June 14, 2018: Receive and File  
Agricultural Pool – June 15, 2018: Receive and File  
Advisory Committee – June 21, 2018: Receive and File  
Watermaster Board – June 28, 2018: Receive and File (Normal Course of Business)

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

A Budget vs. Actual Report for the period July 1, 2017 through April 30, 2018 is provided to keep all members apprised of the total revenues and expenses for the current fiscal year. The expense section is categorized into four distinct sections. Those sections are: General and Administrative Expenses; Optimum Basin Management Program Expenses; Project Expenses; and Other Income/Expenses. The Budget vs. Actual report has been created from Intuit QuickBooks Enterprise Solutions 18.0, the Watermaster accounting system. The Budget vs. Actual report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

## DISCUSSION

### CURRENT MONTH – APRIL 2018

The Chino Basin Watermaster "Original" FY 2017/18 budget of \$11,838,698 was approved by the Board on May 25, 2017. With the closing of the financial records for the fiscal year ended June 30, 2017, the "Carry Over" funding from FY 2016/17 and previous years was calculated at \$4,119,779.24 which brought the "Amended" Budget for FY 2017/18 to \$15,958,477.24 ( $\$11,838,698 + \$4,119,779.24 = \$15,958,477.24$ ). With the approval of Budget Amendment Form A-18-03-01 by the Board on April 26, 2018, the "Amended" FY 2017/18 budget is now \$16,350,693.24 ( $\$15,958,477.24 + \$392,216 = \$16,350,693.24$ ).

Year-To-Date (YTD) for the ten months ending April 30, 2018, all but five categories were at or below the projected budget. The categories over budget were (1) Administration Salary/Benefits expenses (6010's) which were over budget by \$39,068 or 4.6% as a result of increased staff time and activities in the administrative functions. Please note that the overage is only in the administrative section, not with the entire consolidated staffing budget; (2) Watermaster Legal Services expenses (6070's) over budget by \$178,051 or 116.1% as a result of miscellaneous legal matters as detailed in the BHFS section; (3) Agricultural Pool Legal Services (8467's) over budget by \$87,211 or 51.1% as a result of increased legal services performed during the months of July 2017 through April 2018; (4) Production Monitoring expenses (7101's) over budget by \$10,011 or 22.0% as a result of increased staff time and activities in this area; and (5) Hydraulic Control Monitoring expenses (7108's) over budget by \$5,447 or 5.5% as a result of increased staff time and activities in this area.

For the majority of the expense categories within the Watermaster budget for FY 2017/18, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, these categories listed above might level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$8,497,948 or 55.9% below the (YTD) Budgeted Expenses of \$15,206,738.

### PREVIOUSLY REPORTED ACTIONS (Descending Order)

#### March 2018:

For the accounting month of March 2018, Budget Amendment Form A-18-03-01 was recorded in the amount of \$392,216 under the PE 8&9 Storage Management/Conjunctive Use budget (account 7602) in the amount of \$320,201; and under the Ground Level MVWD SCADA Reimbursement budget (account 7107.63) in the amount of \$72,015. The additional funding of \$392,216 came from the OBMP Reserve Fund which had an available balance of \$945,874. The Budget Amendment Form A-18-03-01 was approved by the Board on April 26, 2018, and the new available balance of the OBMP Reserve Fund is now \$553,658 ( $\$945,874 - \$392,216 = \$553,658$ ).

#### February 2018:

Budget Amendment Form A-18-03-01 in the amount of \$392,216 is being presented for approval during the April 2018 Pools, Advisory and Board meetings regarding two specific budget amounts. The first budget amount of \$320,201 is proposed to increase the PE 8&9 Storage Management/Conjunctive Use

budget (account 7602) from \$182,207 to \$502,408 as a result of a two-year Engineering project which was originally budgeted and approved for \$182,207 for FY 2017/18 during the budgeting process. Due to specific deadlines, Watermaster has requested the timeline be pushed forward and it's now understood that the total two-year expenses of \$502,408 could be spent within the FY 2017/18 period. The budget shortfall of \$320,201 ( $\$502,408 - \$182,207 = \$320,201$ ) was presented and discussed as part of the FY 2017/18 Mid-Year Review at the March 15, 2018 Advisory meeting and March 22, 2018 Board meeting. There were no Pool meetings held in March 2018.

The second budget amount of \$72,015 is for the SCADA Installation, Monitoring and Reimbursement Letter Agreement between Watermaster, Monte Vista Water District, and Wildermuth Environmental, Inc., effective September 28, 2017 Pursuant to the recommendation of the Groundwater Level Monitoring Committee, the Chino Basin Watermaster, through its contract with consultant Wildermuth Environmental Inc., wishes to develop a more extensive supervisory control and data acquisition (SCADA) groundwater level monitoring system in the Monte Vista Water District (MVWD) service area. In order to do so, MVWD will permit the installation of SCADA equipment to several of its wells and integration of the equipment into its existing SCADA system. This project was not included or funded through the FY 2017/18 budget which was approved on May 25, 2017. The SCADA Installation, Monitoring and Reimbursement Letter Agreement, signed by Chino Basin Watermaster, Monte Vista Water District, and Wildermuth Environmental, Inc., is effective September 28, 2017 through June 30, 2020. General Ledger account (7107.63) will be created in FY 2017/18 to capture the expenses associated with this activity.

The additional funding of \$392,216 would come from the OBMP Reserve Fund which currently has an available balance of \$945,874. For more information on Budget Amendment Form A-18-03-01, please see Business Item II.A.

December 2017:

There were no Pool, Advisory or Board meetings scheduled for the month of December 2017.

August 2017:

There were no Pool, Advisory or Board meetings scheduled for the month of August 2017.

July 2017:

During the month of July 2017, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$4,119,779.24 has been posted to the general ledger accounts. The total amount of \$4,119,779.24 consisted of \$3,926,672.24 from Capital Improvement Projects and \$193,107 from Engineering Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2017/18 is \$15,958,477.24 which includes \$4,119,779.24 for the prior years "Carry Over" funding. The Original Approved budget for FY 2017/18 of \$11,838,698 was approved by the Watermaster Board on May 25, 2017 ( $\$11,838,698 + \$4,119,779.24 = \$15,958,477.24$ ).

## SALARIES EXPENSE

### CURRENT MONTH – APRIL 2018

As of April 30, 2018, the total (YTD) Watermaster salary expenses were \$68,361 or 4.6% below the (YTD) budgeted amount of \$1,476,404. The overall staffing budget was developed with a staffing level of ten Full-Time Equivalents (FTE's), and staffing is currently at nine Full-Time Equivalents (FTE's). The position of Water Resources Associate remains vacant and could be recruited in the future as the work demands increase.

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 2017/18 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which of the projects or activities. The staffing dollars were then allocated into those specific areas and budgeted on a 1/12 monthly budget. When actual staffing activities vary from the budgeted assumptions, a positive or negative variance can be created. Currently, the allocations are tracking within budget.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of April 30, 2018. 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 '17 - Apr '18</u> <u>Actual</u>	<u>Jul '17 - Apr '18</u> <u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>FY 2017/18</u> <u>Annual Budget</u>
<b>WM Salary Expense</b>					
6011 · WM Staff Salaries	893,468.21	802,817.00	90,651.21	111.29%	966,354.00
6011.1 · WM Staff Salaries - Overtime	7,796.66	0.00	7,796.66	100.0%	0.00
6011.4 · 457(f) NQDC Plan	27,661.78	19,758.00	7,903.78	140.0%	23,710.00
6015 · Miscellaneous Payments	0.00	0.00	0.00	0.0%	0.00
6017 · Temporary Services	0.00	17,500.00	-17,500.00	0.0%	21,000.00
6201 · Advisory Committee - WM Staff Salaries	17,252.73	20,526.00	-3,273.27	84.05%	24,708.00
6301 · Watermaster Board - WM Staff Salaries	27,826.44	31,456.00	-3,629.56	88.46%	37,863.00
8301 · Appropriative Pool - WM Staff Salaries	33,001.00	28,115.00	4,886.00	117.38%	33,842.00
8401 · Agricultural Pool - WM Staff Salaries	16,490.71	24,801.00	-8,310.29	66.49%	29,853.00
8501 · Non-Agricultural Pool - WM Staff Salaries	12,367.78	16,247.00	-3,879.22	76.12%	19,557.00
6901 · OBMP - WM Staff Salaries	51,978.51	76,291.00	-24,312.49	68.13%	91,832.00
7101.1 · Production Monitor - WM Staff Salaries	54,865.73	44,855.00	10,010.73	122.32%	53,992.00
7102.1 · In-line Meter - WM Staff Salaries	1,220.13	8,471.00	-7,250.87	14.4%	10,197.00
7103.1 · Grdwater Quality - WM Staff Salaries	18,380.21	46,169.00	-27,788.79	39.81%	55,574.00
7104.1 · Grdwater Level - WM Staff Salaries	43,370.59	33,249.00	10,121.59	130.44%	40,022.00
7106.1 · Wtr Level Sensor - WM Staff Salaries	0.00	0.00	0.00	0.0%	0.00
7107.1 · GrdLevel Monitoring - WM Staff Salaries	3,799.77	0.00	3,799.77	100.0%	0.00
7108.1 · Hydraulic Control - WM Staff Salaries	430.12	2,788.00	-2,357.88	15.43%	3,356.00
7108.11 · Prado Basin - WM Staff Salaries	2,796.11	5,166.00	-2,369.89	54.13%	6,219.00
7201 · Comp Recharge - WM Staff Salaries	48,066.67	78,905.00	-30,848.33	60.9%	94,978.00
7301 · PE3&5 - WM Staff Salaries	0.00	13,306.00	-13,306.00	0.0%	16,017.00
7401 · PE4 - WM Staff Salaries	0.00	8,098.00	-8,098.00	0.0%	9,747.00
7501 · PE6&7 - WM Staff Salaries	5,722.88	3,954.00	1,768.88	144.74%	4,759.00
7501.1 · PE 6&7 - WM Staff Salaries (Plume)	0.00	4,435.00	-4,435.00	0.0%	5,338.00
7601 · PE8&9 - WM Staff Salaries	9,497.82	39,591.00	-30,093.18	23.99%	47,656.00
<b>Subtotal WM Staff Costs</b>	<b>1,275,983.85</b>	<b>1,326,498.00</b>	<b>-50,514.15</b>	<b>96.19%</b>	<b>1,596,574.00</b>
60185 · Vacation	59,293.27	60,414.00	-1,120.73	98.15%	72,497.00
60186 · Sick Leave	22,263.49	42,615.00	-20,351.51	52.24%	51,138.00
60187 · Holidays	50,502.72	46,877.00	3,625.72	107.74%	51,138.00
<b>Subtotal WM Paid Leaves</b>	<b>132,059.48</b>	<b>149,906.00</b>	<b>-17,846.52</b>	<b>88.1%</b>	<b>174,773.00</b>
<b>Total WM Salary Costs</b>	<b>1,408,043.33</b>	<b>1,476,404.00</b>	<b>-68,360.67</b>	<b>95.37%</b>	<b>1,771,347.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)  
None

LEGAL SERVICES  
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – APRIL 2018

As of April 30, 2018, 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 \$30,927 or 3.8% below the (YTD) budgeted amount of \$809,811.

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 2017/18. The total legal services budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. The "Approved" budget was adopted for the original amount of \$964,783.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of April 30, 2018, was \$178,051 or 116.1% above the budgeted amount of \$153,425. The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Rules and Regulations (6072) under budget by \$13,727 or 90.5%; Personnel Matter (6073) under budget by \$5,592 or 22.4%; and Interagency Issues (6074) under budget by \$25,500 or 100.0%. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were the Court Coordination expenses (6071) over budget by \$7,476 or 21.7%; Party Status Maintenance (6077) over budget by \$4,407 or 18.4%; and the Miscellaneous Category expenses (6078) over budget by \$210,987 or 716.2%. Please see Note 1 on the following page for a more detailed explanation of the miscellaneous types of expenses.

WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of April 30, 2018 was \$56,311 or 35.5% below the budgeted amount of \$158,493. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2017. The Watermaster parties agreed that during the months of August 2017 and December 2017, the three Pools, the Advisory Committee and the Watermaster Board meetings would not be held. For the month of March 2018, the three Pool meetings were cancelled at the request of each Pool, adding additional cost savings to this category.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of April 30, 2018 the category of OBMP legal expenses were \$152,667 or 30.7% below the budgeted amount of \$497,893. 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 \$19,748 or 90.4%; the Safe Yield Redetermination and Reset legal expenses (6907.42) were over budget by \$94,473 or 163.8%; and the Upper Santa Ana River Integrated Model expenses (6907.46) were over budget by \$825 or 100.0%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of April 30, 2018 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 '17 - Apr '18 Actual	Jul '17 - Apr '18 Budget	\$ Over Budget	% of Budget	FY 2017/18 Annual Budget
<b>6070 · Watermaster Legal Services</b>					
6071 · BHFS Legal - Court Coordination	41,852.45	34,376.00	7,476.45	121.75%	41,250.00
6072 · BHFS Legal - Rules & Regulations	1,447.65	15,175.00	-13,727.35	9.54%	15,175.00
6073 · BHFS Legal - Personnel Matters	19,407.57	25,000.00	-5,592.43	77.63%	25,000.00
6074 · BHFS Legal - Interagency Issues	0.00	25,500.00	-25,500.00	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	28,322.95	23,916.00	4,406.95	118.43%	28,700.00
6078 · BHFS Legal - Miscellaneous (Note 1)	240,445.20	29,458.00	210,987.20	816.23%	35,350.00
<b>Total 6070 · Watermaster Legal Services</b>	<b>331,475.82</b>	<b>153,425.00</b>	<b>178,050.82</b>	<b>216.05%</b>	<b>176,075.00</b>
6275 · BHFS Legal - Advisory Committee	8,968.89	15,300.00	-6,331.11	58.62%	18,700.00
6375 · BHFS Legal - Board Meeting	55,532.20	63,180.00	-7,647.80	87.9%	77,220.00
6375.1 · BHFS Legal - Board Workshop(s)	0.00	11,163.00	-11,163.00	0.0%	11,163.00
8375 · BHFS Legal - Appropriative Pool	12,430.95	22,950.00	-10,519.05	54.17%	28,050.00
8475 · BHFS Legal - Agricultural Pool	12,930.52	22,950.00	-10,019.48	56.34%	28,050.00
8575 · BHFS Legal - Non-Ag Pool	12,319.21	22,950.00	-10,630.79	53.68%	28,050.00
<b>Total BHFS Legal Services</b>	<b>102,181.77</b>	<b>158,493.00</b>	<b>-56,311.23</b>	<b>64.47%</b>	<b>191,233.00</b>
<b>6907.3 · WM Legal Counsel</b>					
6907.31 · Archibald South Plume	0.00	20,416.00	-20,416.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	20,416.00	-20,416.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	1,954.80	17,937.00	-15,982.20	10.9%	21,525.00
6907.34 · Santa Ana River Water Rights	41,581.87	21,834.00	19,747.87	190.45%	26,200.00
6907.36 · Santa Ana River Habitat	10,313.55	57,750.00	-47,436.45	17.86%	69,300.00
6907.38 · Reg. Water Quality Cntrl Board	5,865.50	11,958.00	-6,092.50	49.05%	14,350.00
6907.39 · Recharge Master Plan	20,070.07	72,000.00	-51,929.93	27.88%	86,400.00
6907.40 · Storage Agreements	70,375.74	144,666.00	-74,290.26	48.65%	173,600.00
6907.41 · Prado Basin Habitat Sustainability	10,354.42	12,666.00	-2,311.58	81.75%	15,200.00
6907.42 · Safe Yield Recalculation	152,138.52	57,666.00	94,472.52	263.83%	69,200.00
6907.44 · SGMA Compliance	31,747.11	36,000.00	-4,252.89	88.19%	43,200.00
6907.46 · Upper SAR Integrated Model	824.85	0.00	824.85	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	24,584.00	-24,584.00	0.0%	29,500.00
<b>Total 6907 · WM Legal Counsel</b>	<b>345,226.43</b>	<b>497,893.00</b>	<b>-152,666.57</b>	<b>69.34%</b>	<b>597,475.00</b>
<b>Total Brownstein, Hyatt, Farber, Schreck Costs</b>	<b>778,884.02</b>	<b>809,811.00</b>	<b>-30,926.98</b>	<b>96.18%</b>	<b>964,783.00</b>

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows:  
 (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, replenishment obligations, annual report, audit report, business plan, etc.); (3) Brownstein's status review of ongoing Watermaster projects and issues; (4) Brownstein's update of the outstanding issues list; (5) Coordination of ongoing Watermaster projects; (6) Review of draft documents and contracts; (7) Review transfer documents; (8) Ground-Level Monitoring Committee reports/meetings; (9) Review process and criteria for SGMA reporting; (10) MVWD SCADA Agreement and installation; (11) Angelica Corporation Bankruptcy matter; (12) NRG/GENON Bankruptcy matter; (13) Pomona extensometer project, CEQA review and compliance; (14) Desalter Replenishment obligations, assessment methodologies, and ongoing issues; (15) Master Cost Sharing Agreement with IEUA; (16) Estimation and adoption of an evaporative loss policy for Recharge; (17) CalMat intervention; (18) Angelica's water rights transfer; (19) Blomquist outline review; and (20) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – APRIL 2018

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 ten months ending April 30, 2018, the actual expenses of \$935,002 were below the budgeted amount of \$1,076,178 by \$141,176 or 13.1%. For a detailed discussion, the following is provided.



For April 30, 2018, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$30,145 or 34.0%. Watermaster utilizes an in-house database time and attendance system to record and document staff's actual hours worked and also allocates those hours to a specific project or activity. Watermaster staff time could be charged to Administrative, OBMP, or Implementation Project categories. Recently, Watermaster staff spent less time on specific OBMP related areas as budgeted. As a result, Watermaster staff allocated less actual time to the OBMP project as budgeted, which resulted in an under budget variance of \$24,312 or 31.9%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2017/18 Basin Monitoring Program Task Force Contribution which was budgeted at \$12,254 and actual expenses were \$5,833 or 47.6% below budget as of April 30, 2018.

For April 30, 2018, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was above the Year-To-Date (YTD) budget by \$46,085 or 9.6%. For FY 2017/18, the OBMP-Safe Yield Redetermination and Reset expenses (6906.73) did not have a budget amount authorized and for the month of March 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 OBMP Engineering Services-Other expenses (6906) which were over budget by \$855 or 3.5%; the SGMA Reporting Requirements expenses (6906.23) which were over budget by \$4,632 or 22.8%; the HCP Meetings/Technical Review-IEUA Cost expenses (6906.27) which were over budget by \$4,070 or 100.0%; the OBMP-Other General Meetings Engineering Services expenses (6906.32) which were over budget by \$48,578 or 160.2%; the OBMP-Data Requests-CBWM Staff Engineering Services expenses (6906.71) which were over budget by \$39,983 or 43.8%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$32,992 or 60.9%.

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 \$115,046 while some other line item activities were below the budget by \$267,713. Above the budget line items were the Santa Ana River Water Rights expenses of \$19,748; the Safe Yield Redetermination and Reset expenses of \$94,473; and the Upper SAR Integrated Model expenses of \$825. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$20,416; the Chino Airport Plume of \$20,416; the Desalter/Hydraulic Control of \$15,982; the Santa Ana River Habitat expenses of \$47,437; the Regional Water Quality Control Board of \$6,093; the Recharge Master Plan of \$51,930; Storage Agreements of \$74,290; the Prado Basin Habitat Sustainability of \$2,312; the SGMA Compliance of \$4,253; and the WM Unanticipated legal expenses of \$24,584. For the ten months ended April 30, 2018, the overall cumulative (YTD) budget was \$497,893 and the actual (BHFS) legal expenses totaled \$345,226 which resulted in an under budget variance of \$152,667 or 30.7%.

The OBMP Other Expenses (6909's) were below the budget for the month. These expenses are typically conference calls, meeting expenses, supplies, annual inspection fees, and other miscellaneous type expenses. As of April 30, 2018 this category of expenses was \$4,448 or 60.0% below the budgeted amount of \$7,417.

The WEI Support for IEUA expenses are categorized within the category (6910's). The individual general ledger accounts are as follows: IRP Groundwater Modeling-WEI expenses (6910.10); As Needed Support for Obtaining Grant Funding of RMPU Projects expenses (6910.11); Preparation of a Compliance Demonstration for Stormwater Recharge expenses (6910.12); Ground Water Velocity Field for the San Sevaime Improvement Project expenses (6910.13); Truing-Up the 2013 RMPU Estimates expenses (6910.14); WEI Support-HCP Modeling expenses (6910.15); and RMPU-MPI Analysis expenses (6910.20). These expenses are billed directly to IEUA on the following month once the payment has been issued to Wildermuth Environmental, Inc. per the agreement. As of April 30, 2018 this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$935,002 compared to a (YTD) budget of \$1,076,178 for an under budget of \$141,176 or 13.1% as of April 30, 2018.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of April 30, 2018 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 '17 - Apr '18 Actual	Jul '17 - Apr '18 Budget	\$ Over Budget	% of Budget	FY 2017/18 Annual Budget
6900 · Optimum Basin Mgmt Plan					
6901 · WM Staff Salaries	51,978.51	76,291.00	-24,312.49	68.13%	91,832.00
6903 · OBMP SAWPA Group	6,421.00	12,254.00	-5,833.00	52.4%	12,254.00
Total 6901-6903 · OBMP WM Staff/SAWPA	58,399.51	88,545.00	-30,145.49	65.96%	104,086.00
6906 · OBMP Engineering Services					
6906.1 · OBMP - Watermaster Model Update	43,356.60	49,304.00	-5,947.40	87.94%	59,164.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	10,489.15	21,274.00	-10,784.85	49.31%	25,528.00
6906.23 · SGMA Reporting Requirements	24,959.35	20,327.00	4,632.35	122.79%	24,392.00
6906.24 · Compliance - SB88 and SWRCB	2,061.90	5,844.00	-3,782.10	35.28%	7,012.00
6906.27 · HCP Meetings/Tech. Review-IEUA Cost	4,069.50	0.00	4,069.50	100.0%	0.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	64,692.72	80,792.00	-16,099.28	80.07%	96,950.00
6906.32 · OBMP - Other General Meetings	78,895.26	30,317.00	48,578.26	260.23%	36,381.00
6906.71 · OBMP - Data Requests - CBWM Staff	131,183.40	91,200.00	39,983.40	143.84%	109,440.00
6906.72 · OBMP - Data Requests - Non CBWM	24,338.75	26,460.00	-2,121.25	91.98%	31,752.00
6906.73 · OBMP - Safe Yield Recalculation	0.00	0.00	0.00	0.0%	0.00
6906.74 · OBMP - Mat'l Phy. Injury Requests	16,273.00	58,334.00	-42,061.00	27.9%	70,000.00
6906.75 · OBMP - Recharge Master Plan	0.00	0.00	0.00	0.0%	0.00
6906.81 · Prepare Annual Reports	15,770.15	20,000.00	-4,229.85	78.85%	20,000.00
6906.90 · OBMP - 2018 RMPU Master Update	87,158.54	54,167.00	32,991.54	160.91%	65,000.00
6906 · OBMP Engineering Services - Other	25,159.20	24,304.00	855.20	103.52%	29,164.00
Total 6906 · OBMP Engineering Services	528,407.52	482,323.00	46,084.52	109.56%	574,783.00
6907 · OBMP Legal Fees					
6907.3 · WM Legal Counsel					
6907.31 · Archibald South Plume	0.00	20,416.00	-20,416.00	0.0%	24,500.00
6907.32 · Chino Airport Plume	0.00	20,416.00	-20,416.00	0.0%	24,500.00
6907.33 · Desalter/Hydraulic Control	1,954.80	17,937.00	-15,982.20	10.9%	21,525.00
6907.34 · Santa Ana River Water Rights	41,581.87	21,834.00	19,747.87	190.45%	26,200.00
6907.36 · Santa Ana River Habitat	10,313.55	57,750.00	-47,436.45	17.86%	69,300.00
6907.38 · Reg. Water Quality Cntrl Board	5,865.50	11,958.00	-6,092.50	49.05%	14,350.00
6907.39 · Recharge Master Plan	20,070.07	72,000.00	-51,929.93	27.88%	86,400.00
6907.40 · Storage Agreements	70,375.74	144,666.00	-74,290.26	48.65%	173,600.00
6907.41 · Prado Basin Habitat Sustainability	10,354.42	12,666.00	-2,311.58	81.75%	15,200.00
6907.42 · Safe Yield Recalculation	152,138.52	57,666.00	94,472.52	263.83%	69,200.00
6907.44 · SGMA Compliance	31,747.11	36,000.00	-4,252.89	88.19%	43,200.00
6907.46 · Upper SAR Integrated Model	824.85	0.00	824.85	100.0%	0.00
6907.90 · WM Legal Counsel - Unanticipated	0.00	24,584.00	-24,584.00	0.0%	29,500.00
Total 6907 · WM Legal Counsel	345,226.43	497,893.00	-152,666.57	69.34%	597,475.00
Total 6907 · OBMP Legal Fees	345,226.43	497,893.00	-152,666.57	69.34%	597,475.00
6909 · OBMP Other Expenses					
6909.1 · OBMP Meetings	1,577.57	1,250.00	327.57	126.21%	1,500.00
6909.3 · Other OBMP Expenses	1,391.00	2,000.00	-609.00	69.55%	2,000.00
6909.6 · OBMP Expenses - Miscellaneous	0.00	4,166.66	-4,166.66	0.0%	10,000.00
Total 6909 · OBMP Other Expenses	2,968.57	7,416.66	-4,448.09	40.03%	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	0.00	0.00	0.00	0.0%	0.00
6910.12 · WEI Support-Stormwater Recharge	0.00	0.00	0.00	0.0%	0.00
6910.13 · IEUA-San Sevaine Improvement Project	0.00	0.00	0.00	0.0%	0.00
6910.14 · Truing-Up 2013 RMPU Estimates	0.00	0.00	0.00	0.0%	0.00
6910.15 · WEI Support-HCP Modeling	0.00	0.00	0.00	0.0%	0.00
6910.20 · RMPU-MPI Analysis	0.00	0.00	0.00	0.0%	0.00
6910.50 · WEI Support for IEUA-Billings	0.00	0.00	0.00	0.0%	0.00
Total 6910 · WEI Support for IEUA	0.00	0.00	0.00	0.0%	0.00
Total 6900 · Optimum Basin Mgmt Plan	935,002.03	1,076,177.66	-141,175.63	86.88%	1,289,844.00

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None

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

CURRENT MONTH – APRIL 2018

As of April 30, 2018, the total (YTD) Engineering Services expenses were \$1,509,393 or 41.5% below the (YTD) budget amount of \$3,639,846. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of April 30, 2018, with the exception of the Groundwater Quality-Engineering Services expenses (7103.3) which were over budget by \$3,634 or 2.3%; Ground Level-Contract Services expenses (7107.6) which were over budget by \$4,502 or 3.1%; Hydraulic Control-PBHSP expenses (7108.31 and 7108.41) which were over budget by \$11,250 or 16.5% and \$2,896 or 28.9% respectively; and PE6&7-Cooperative Efforts/Salt Management expenses (7502) which were over budget by \$27,102 or 39.3%.

The Groundwater Quality-Engineering expenses (7103.3) were over budget by \$3,634 or 2.3% as a result of continued measurement activities from about 150 wells along with their related subtasks. This category is projected to level out over the next few months.

The Ground Level-Contracted Services expenses (7107.6) were over budget by \$4,502 or 3.1% as a result of continued activities along with their related subtasks. This category is projected to level out over the next few months.

Hydraulic Control-PBHSP expenses (7108.31 and 7108.41) were over budget by \$11,250 or 16.5% and \$2,896 or 28.9% respectively as a result of continued Prado Basin activities. These two categories are expected to level out over the next few months.

PE 6&7-Cooperative Efforts/Salt Management account (7502) was over budget by \$27,102 or 39.3% as a result of continuing efforts by the engineering staff to attend water-quality meetings, provide technical support on the Chino Airport, South Archibald, and other plumes, and prepare the draft Maximum Benefit Annual Report for 2017 which was due to the Regional Board on April 15, 2018. This category is projected to be over budget by approximately \$17,308 according to the 3<sup>rd</sup> quarter ECAC report issued as of April 30, 2018.

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding.

The third ECAC report for the current fiscal year has been provided for the period ending March 31, 2018 and shows a projected under budget at fiscal year-end June 30, 2018 of \$44,623.

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of March 31, 2018**

Acct #	Description	Billed Feb-18	Billed Mar-18	Projected Apr-18	Projected May-18	Projected Jun-18	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over)	YTD % Billed	Projected %
6906	OBMP Engineering	\$ 31,724	\$ 33,784	\$ 28,230	\$ 31,843	\$ 35,197	\$ 463,944	\$ 463,944	\$ (13,325)	82%	103%
6906.1	OBMP - Watermaster Model Applications	-	-	-	-	-	43,357	43,357	15,807	73%	73%
6906.9	2018 RMPU Recharge Master Update	30,121	-	-	-	-	87,159	87,159	(22,159)	134%	134%
7103.3	GW and SW Quality - Engineering Services	8,382	22,048	11,000	23,200	21,800	206,234	206,234	(12,520)	78%	106%
7103.5	GW and SW Quality - Laboratory Services	-	4,216	2,132	-	4,500	64,400	64,400	16,253	72%	80%
7104.3	GW Level - Engineering Services	11,708	26,090	14,040	23,742	28,500	237,337	237,337	211	72%	100%
7104.8	GW Level - Contract Services	-	-	-	-	-	-	-	10,000	0%	0%
7104.9	GW Level - Capital Services	-	7,540	-	1,000	7,000	17,492	17,492	(9,492)	119%	219%
7107.2	Ground Level - Engineering Services	3,581	3,828	7,507	5,897	27,592	66,597	66,597	2,900	37%	95%
7107.3	Ground Level - SAR Imagery	-	19,800	65,300	-	-	97,100	97,100	(10,492)	37%	112%
7107.6	Ground Level - Contract Services	-	62,406	20,308	18,869	30,208	166,552	166,552	2,000	58%	99%
7107.8	Ground Level - Capital Equipment	-	-	1,200	500	1,200	3,019	3,019	2,340	2%	56%
7108.31	IEUA - Prado Basin Habitat Monitoring	33,800	30,844	23,450	5,250	1,600	159,645	79,322	2,607	157%	97%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	8,858	4,429	571	177%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	2,294	-	6,000	3,000	3,000	23,163	23,163	214	48%	99%
7202.2	Comp Recharge - Engineering Services	4,118	971	3,000	5,000	3,000	86,878	86,878	75,099	47%	54%
7303	OBMP - Engineering Services - Desalters	-	-	-	-	-	-	-	9,640	0%	0%
7402	OBMP - Engineering Services - MZ1	10,592	7,247	8,600	16,000	16,000	116,807	116,807	(13,517)	74%	113%
7402.1	OBMP - Engineering Services - Northwest MZ1	3,911	2,527	6,000	14,713	1,541,481	1,663,991	1,663,991	(14,206)	8%	101%
7403	OBMP - Contract Services - MZ1	-	-	-	-	-	-	-	20,000	0%	0%
7502	OBMP - Engineering Services - WQC	9,747	12,975	7,000	1,150	-	96,421	96,421	(17,303)	112%	122%
7510	IEUA - Update Recycled Water Permit - Salinity	33,295	16,110	47,000	56,000	60,714	381,231	125,806	(0)	173%	100%
7602	Storage Management/Conjunctive Use	27,235	31,771	32,000	32,000	26,283	502,408	502,408	(0)	82%	100%
<b>Totals</b>		<b>\$ 210,497</b>	<b>\$ 281,947</b>	<b>\$ 282,767</b>	<b>\$ 236,164</b>	<b>\$ 1,888,076</b>	<b>\$ 4,491,591</b>	<b>\$ 4,152,415</b>	<b>\$ 44,623</b>	<b>62%</b>	<b>95%</b>

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

5/22/2018--11:36 AM  
2017-18CBWWM\_Invoice\_Summary\_ISBM\_20180411--Prjction Summary



**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of March 31, 2018**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-17	Billed Aug-17	Billed Sep-17	Billed Oct-17	Billed Nov-17	Billed Dec-17	Billed Jan-18
6906	OBMP Engineering	\$ 450,619	\$ 450,619	\$ 35,585	\$ 39,218	\$ 41,580	\$ 53,951	\$ 40,854	\$ 39,367	\$ 52,612
6906.1	OBMP - Watermaster Model Applications	59,164	59,164	-	12,905	-	30,262	-	-	490
6906.9	2018 RMPU Recharge Master Update	65,000	65,000	18,560	21,059	-	9,545	-	2,657	5,217
7103.3	GW and SW Quality - Engineering Services	193,714	193,714	10,926	22,150	19,365	24,479	10,467	9,207	23,210
7103.5	GW and SW Quality - Laboratory Services	80,853	80,853	2,032	14,256	9,850	5,785	8,786	10,411	2,432
7104.3	GW Level - Engineering Services	237,548	237,548	12,010	14,070	10,271	18,191	24,964	42,169	11,592
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.9	GW Level - Capital Services	8,000	8,000	599	579	-	-	268	504	-
7107.2	Ground Level - Engineering Services	48,735	69,497	3,383	4,032	1,401	2,482	1,767	630	4,497
7107.3	Ground Level - SAR Imagery	66,608	66,608	-	-	12,000	-	-	-	-
7107.6	Ground Level - Contract Services	144,356	168,552	14,296	-	-	-	-	16,458	4,007
7107.8	Ground Level - Capital Equipment	5,359	5,359	-	-	119	-	-	-	-
7108.31	IEUA - Prado Basin Habitat Monitoring	75,929	81,929	7,635	857	-	16,039	7,693	6,354	25,324
7108.6	IEUA - PBHSP - Outside Pro	5,000	5,000	-	-	-	8,858	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	23,377	23,377	-	902	-	1,526	6,440	-	-
7202.2	Comp Recharge - Engineering Services	161,976	161,976	14,432	17,759	17,227	6,391	9,938	2,364	2,679
7303	OBMP - Engineering Services - Desalters	9,640	9,640	-	-	-	-	-	-	-
7402	OBMP - Engineering Services - MZ1	103,290	103,290	28,638	6,145	13,179	3,387	653	1,106	5,271
7402.1	OBMP - Engineering Services - Northwest MZ1	1,507,576	1,649,785	3,149	27,000	16,690	14,693	19,327	12,119	2,381
7403	OBMP - Contract Services - MZ1	20,000	20,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	79,113	79,113	11,419	12,542	4,886	2,909	4,307	24,006	5,480
7510	IEUA - Update Recycled Water Permit - Salinity	125,806	125,806	10,850	2,187	51,346	54,156	5,260	12,753	31,562
7602	Storage Management/Conjunctive Use	182,207	502,408	24,216	46,296	54,690	65,131	64,981	49,697	48,107
<b>Totals</b>		<b>\$ 3,683,730</b>	<b>\$ 4,197,038</b>	<b>\$ 197,730</b>	<b>\$ 241,657</b>	<b>\$ 252,604</b>	<b>\$ 317,785</b>	<b>\$ 205,706</b>	<b>\$ 229,799</b>	<b>\$ 224,861</b>

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2017-18CBWWM\_Invoice\_Summary\_ISBM\_20180411--Prjction Summary



The Fiscal Year 2017/18 Progress and Estimated Cost at Completion for the Period July 1, 2017 through March 31, 2018 report from Wildermuth Environmental, Inc. is provided. Please access this link:

[http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%203rd%20Quarter%20Narrative%20Review\\_July%2017,%202017%20to%20March%2031,%202018.PDF](http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%203rd%20Quarter%20Narrative%20Review_July%2017,%202017%20to%20March%2031,%202018.PDF)

The fourth and final ECAC report is scheduled to be issued in mid-August 2018 for the period July 1, 2017 through June 30, 2018. This report will provide the detail for the funding of ongoing projects and

activities which will be Carried-Over into FY 2018/19. At the current time, it is anticipated that the following projected amounts could be Carried-Over from FY 2017/18 to FY 2018/19:

Ground Level Monitoring-Engineering (Account 7107.2): \$20,702  
 Ground Level Monitoring-Contract Services (Account 7107.6): \$9,900  
 PE4 Northwest MZ-1 Area Project (Account 7402.10): \$1,536,481

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

The table listed below summarized the Year-To-Date (YTD) Actual Wildermuth Environmental, Inc., (WEI) and other Engineering costs compared to the Year-To-Date (YTD) Budget as of April 30, 2018. 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 '17 - Apr '18	Jul '17 - Apr '18			FY 2017/18
	Actual	Budget	\$ Over Budget	% of Budget	Annual Budget
6906 · OBMP Engineering Services - Other	25,159.20	24,304.00	855.20	103.52%	29,164.00
6906.1 · OBMP - Watermaster Model Update	43,356.60	49,304.00	-5,947.40	87.94%	59,164.00
6906.21 · State of the Basin Report	0.00	0.00	0.00	0.0%	0.00
6906.22 · Water Rights Compliance Reporting	10,489.15	21,274.00	-10,784.85	49.31%	25,528.00
6906.23 · SGMA Reporting Requirements	24,959.35	20,327.00	4,632.35	122.79%	24,392.00
6906.24 · Compliance - SB88 and SWRCB	2,061.90	5,844.00	-3,782.10	35.28%	7,012.00
6906.25 · Initial Assessment - Section 4.5-SYRA	0.00	0.00	0.00	0.0%	0.00
6906.27 · HCP Meetings/Technical Review-IEUA Cost	4,069.50	0.00	4,069.50	100.0%	0.00
6906.31 · OBMP - Pool, Advisory, Board Mtgs.	64,692.72	80,792.00	-16,099.28	80.07%	96,950.00
6906.32 · OBMP - Other General Meetings	78,895.26	30,317.00	48,578.26	260.23%	36,381.00
6906.71 · OBMP - Data Requests - CBWM Staff	131,183.40	91,200.00	39,983.40	143.84%	109,440.00
6906.72 · OBMP - Data Requests - Non CBWM	24,338.75	26,460.00	-2,121.25	91.98%	31,752.00
6906.74 · OBMP - Mat'l Physical Injury Requests	16,273.00	58,334.00	-42,061.00	27.9%	70,000.00
6906.81 · Prepare Annual Reports	15,770.11	20,000.00	-4,229.90	78.85%	20,000.00
6906.90 · OBMP - 2018 RMPU Master Update	87,158.54	54,167.00	32,991.54	160.91%	65,000.00
7103.3 · Grdwtr Qual-Engineering	165,061.55	161,428.00	3,633.55	102.25%	193,714.00
7103.5 · Grdwtr Qual-Lab Svcs	38,825.00	58,653.00	-19,828.00	66.19%	58,653.00
7104.3 · Grdwtr Level-Engineering	196,210.11	197,956.00	-1,745.89	99.12%	237,548.00
7104.8 · Grdwtr Level-Contracted Services	0.00	8,334.00	-8,334.00	0.0%	10,000.00
7104.9 · Grdwtr Level-Capital Equipment	843.20	6,666.00	-5,822.80	12.65%	8,000.00
7107.2 · Grd Level-Engineering	28,403.21	57,915.00	-29,511.79	49.04%	69,497.00
7107.3 · Grd Level-SAR Imagery	12,000.00	86,608.00	-74,608.00	13.86%	86,608.00
7107.6 · Grd Level-Contract Svcs	148,994.20	144,492.00	4,502.20	103.12%	168,552.00
7107.8 · Grd Level-Capital Equipment	0.00	4,466.00	-4,466.00	0.0%	5,359.00
7108.3 · Hydraulic Control-Engineering	0.00	0.00	0.00	0.0%	0.00
7108.31 · Hydraulic Control-PBHSP	79,523.80	68,274.00	11,249.80	116.48%	81,929.00
7108.32 · Hydraulic Control-Adaptive Mgmt Plan	0.00	0.00	0.00	0.0%	0.00
7108.4 · Hydraulic Control-Lab Svcs	8,528.00	8,334.00	194.00	102.33%	10,000.00
7108.41 · Hydraulic Control-PBHSP	12,896.00	10,000.00	2,896.00	128.96%	12,000.00
7108.6 · Hydraulic Control-Outside Professionals	0.00	4,166.00	-4,166.00	0.0%	5,000.00
7109.3 · Recharge & Well - Engineering	16,319.10	19,481.00	-3,161.90	0.0%	23,377.00
7202.2 · Comp Recharge-Engineering Services	77,441.10	134,980.00	-57,538.90	57.37%	161,976.00
7303 · PE3&5-Engineering - Other	0.00	8,034.00	-8,034.00	0.0%	9,640.00
7402 · PE4-Engineering	83,971.72	86,075.00	-2,103.28	97.56%	103,290.00
7402.10 · PE4-MZ1 Pomona Project	112,607.35	1,398,822.00	-1,286,214.65	8.05%	1,649,785.00
7403 · PE4-Contract Svcs	0.00	16,666.00	-16,666.00	0.0%	20,000.00
7502 · PE6&7-Engineering	96,028.87	68,927.00	27,101.87	139.32%	79,113.00
7510 · PE6&7-IEUA Salinity Mgmt. Plan	78,415.22	104,838.00	-26,422.78	74.8%	125,806.00
7602 · PE8&9-Engineering	445,977.27	502,408.00	-56,430.73	88.77%	502,408.00
<b>Total Engineering Services Costs</b>	<b>2,130,453.18</b>	<b>3,639,846.00</b>	<b>-1,509,392.83</b>	<b>58.53%</b>	<b>4,197,038.00</b> *

\* Wildermuth and Subcontractor Engineering Budget of \$3,683,730 plus Carryover Funds from FY 2016/17 of \$193,107 plus Budget Amendment Form A-18-03-01 of \$320,201 = \$4,197,038  
 Carryover Funds from FY 2016/17 of \$193,107 = \$20,702 (7107.2); \$24,196 (7107.6); \$6,000 (7108.31); and \$142,209 (7402.10)  
 Budget Amendment Form A-18-03-01 of \$320,201 (7602)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

March 2018:

Budget Amendment Form A-18-03-01, which was approved by the Watermaster Board on April 26, 2018, increased the Engineering Services budget by the amount of \$320,201 within the PE 8&9 Storage Management/Conjunctive Use budget (account 7602). The previous Amended Budget was \$3,876,837 and with the addition of \$320,201 the new Amended Budget for Engineering Services is \$4,197,038 ( $\$3,876,837 + \$320,201 = \$4,197,038$ ).

The increase of \$182,207 to \$502,408 was a result of a two-year Engineering project which was originally budgeted and approved for \$182,207 for FY 2017/18 during the budgeting process. The consultant costs increased due to unexpected difficulties in acquiring planning information from some parties and from the inclusion of additional baseline scenarios that were requested by the parties during workshops. Further, the engineering work was accelerated to ensure that certain information be made available to the Appropriative and Overlying Agricultural Pools to comply with the requirements of the tolling agreement among them, and to provide decision-support information to the various parties involved in the development of groundwater Storage and Recovery projects for the so-called Chino Basin Water Bank, IEUA's Proposition 1 Grant Proposal to develop a storage and recovery program in the Chino Basin, and the proposed Chino Basin storage element in the Santa Ana River Conservation and Conjunctive-Use Program (SARCCUP). The table below illustrates the change in the total effort cost and the changes in each fiscal year.

	FY 2017/18	FY 2018/19	Effort Total
Original Concept	\$182,207	\$161,004	\$343,211
Revised Concept	\$502,408	\$105,348	\$607,756
Change for FY	\$320,201	(\$55,656)	\$264,545

December 2017:

The second ECAC report for the current fiscal year has been provided for the period ending December 31, 2017 and shows a projected over budget at fiscal year-end June 30, 2018 of \$407,335. The majority of the projected budget overage is in the Storage Management/Conjunctive Use expenses (7602). This activity was originally developed and designed as a two year-project and budgeted accordingly during the FY 2017/18 budgeting process. Due to specific deadlines, Watermaster has requested the timeline be pushed forward and the total budget for this fiscal year is projected at \$344,081 (or more depending upon the scope of work). If the activities are being completed earlier than projected, a Budget Amendment during FY 2017/18 would need to be presented for approval to continue the funding.



**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of December 31, 2017**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-17	Billed Aug-17	Billed Sep-17	Billed Oct-17	Billed Nov-17	Billed Dec-17	Projected Jan-18
6906	OBMP Engineering	\$ 450,619	\$ 450,619	\$ 35,565	\$ 39,218	\$ 41,580	\$ 53,951	\$ 40,854	\$ 39,357	\$ 34,242
6906.1	OBMP - Watermaster Model Applications	59,164	59,164	-	12,605	-	30,262	-	-	-
6906.9	2018 RMPU Recharge Master Update	65,000	65,000	18,560	21,059	-	9,545	-	2,657	5,000
7103.3	GW and SW Quality - Engineering Services	193,714	193,714	10,926	22,150	19,365	24,479	10,467	9,207	26,925
7103.5	GW and SW Quality - Laboratory Services	80,853	80,853	2,032	14,256	9,850	5,785	8,786	10,411	2,132
7104.3	GW Level - Engineering Services	237,548	237,548	12,010	14,070	10,271	18,191	24,964	42,189	15,800
7104.8	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.90	GW Level - Capital Services	8,000	8,000	599	579	-	-	268	504	-
7107.2	Ground Level - Engineering Services	48,795	69,497	3,383	4,032	1,401	2,482	1,767	630	4,359
7107.3	Ground Level - SAR Imagery	86,608	86,608	-	-	12,000	-	-	-	-
7107.6	Ground Level - Contract Services	144,356	168,552	14,296	-	-	-	-	16,488	-
7107.8	Ground Level - Capital Equipment	5,359	5,359	-	-	119	-	-	-	500
7108.31	IEUA - Prado Basin Habitat Monitoring	75,929	81,929	7,635	657	-	16,039	7,693	6,354	34,480
7108.6	IEUA - PBHSP - Outside Pro	5,000	5,000	-	-	-	8,858	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	23,377	23,377	-	902	-	1,526	6,440	-	-
7202.2	Comp Recharge - Engineering Services	161,976	161,976	14,432	17,759	17,227	6,391	9,938	2,364	10,054
7303	OBMP - Engineering Services - Desalters	9,640	9,640	-	-	-	-	-	-	1,071
7402	OBMP - Engineering Services - MZ1	103,290	103,290	26,838	6,145	13,179	3,367	653	1,106	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	1,507,576	1,649,785	3,149	27,000	16,690	14,693	19,327	12,119	228,879
7403	OBMP - Contract Services - MZ1	20,000	20,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WGC	79,113	79,113	11,419	12,542	4,886	2,909	4,307	24,006	19,000
7510	IEUA - Update Recycled Water Permit - Salinity	125,806	125,806	10,850	2,187	51,346	54,156	5,260	12,753	28,253
7602	Storage Management/Conjunctive Use	182,207	182,207	24,218	46,296	54,690	65,131	64,981	49,697	60,549
<b>Totals</b>		<b>\$ 3,683,730</b>	<b>\$ 3,876,837</b>	<b>\$ 197,730</b>	<b>\$ 241,657</b>	<b>\$ 252,604</b>	<b>\$ 317,785</b>	<b>\$ 205,706</b>	<b>\$ 229,799</b>	<b>\$ 473,044</b>

1/24/2018--10:17 AM  
2017-18CBWM\_Invoice\_Summary\_ISBM\_20180108--P projection Summary



**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of December 31, 2017**

Acct #	Description	Projected Feb-18	Projected Mar-18	Projected Apr-18	Projected May-18	Projected Jun-18	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under / (Over)	YTD % Billed Rev. Budget	Projected % Rev. Budget
6906	OBMP Engineering	\$ 39,504	\$ 40,208	\$ 35,300	\$ 32,504	\$ 32,504	\$ 464,818	\$ 464,818	\$ (14,189)	56%	103%
6906.1	OBMP - Watermaster Model Applications	-	-	-	-	-	42,867	42,867	16,298	72%	72%
6906.9	2018 RMPU Recharge Master Update	10,000	10,000	10,000	10,000	10,000	106,821	106,821	(41,821)	80%	164%
7103.3	GW and SW Quality - Engineering Services	26,000	20,200	9,400	3,000	19,800	201,919	201,919	(8,205)	50%	104%
7103.5	GW and SW Quality - Laboratory Services	2,500	4,688	2,132	-	4,888	67,260	67,260	13,983	63%	83%
7104.3	GW Level - Engineering Services	19,800	20,050	15,740	26,882	21,654	241,401	241,401	(3,853)	51%	102%
7104.8	GW Level - Contract Services	-	-	-	-	-	-	-	10,000	0%	0%
7104.9	GW Level - Capital Services	-	-	-	-	6,000	7,951	7,951	49	24%	99%
7107.2	Ground Level - Engineering Services	6,162	3,046	4,144	4,887	1,355	37,650	37,650	31,847	20%	54%
7107.3	Ground Level - SAR Imagery	18,608	-	56,000	10,492	-	97,100	97,100	(10,492)	14%	112%
7107.6	Ground Level - Contract Services	32,325	32,325	38,853	22,395	-	156,652	156,652	11,900	18%	93%
7107.8	Ground Level - Capital Equipment	1,000	500	1,000	500	1,000	4,619	4,619	740	2%	86%
7108.31	IEUA - Prado Basin Habitat Monitoring	43,400	20,448	13,746	4,480	2,078	157,210	78,605	3,324	47%	96%
7108.6	IEUA - PBHSP - Outside Pro	-	-	-	-	-	8,858	4,429	571	177%	89%
7109.3	Recharge & Well Monitoring - Engineering Serv.	1,700	-	4,000	2,000	2,000	18,569	18,569	4,608	38%	79%
7202.2	Comp Recharge - Engineering Services	12,569	15,054	15,054	17,554	15,057	153,452	153,452	8,524	42%	95%
7303	OBMP - Engineering Services - Desalters	1,071	1,071	1,071	1,071	1,071	6,427	6,427	3,213	0%	67%
7402	OBMP - Engineering Services - MZ1	11,032	10,600	15,000	14,000	10,640	116,379	116,379	(13,089)	51%	113%
7402.1	OBMP - Engineering Services - Northwest MZ1	237,122	234,649	154,766	232,354	461,315	1,642,060	1,642,060	7,725	6%	100%
7403	OBMP - Contract Services - MZ1	-	-	5,000	5,000	-	10,000	10,000	10,000	0%	50%
7502	OBMP - Engineering Services - WGC	10,395	13,680	6,930	-	-	110,254	110,254	(31,141)	76%	139%
7510	IEUA - Update Recycled Water Permit - Salinity	35,000	30,000	35,000	30,000	30,000	324,804	107,185	18,621	109%	85%
7602	Storage Management/Conjunctive Use	60,549	60,549	60,549	60,549	-	607,756	607,756	(425,549)	167%	334%
<b>Totals</b>		<b>\$ 668,737</b>	<b>\$ 617,248</b>	<b>\$ 483,684</b>	<b>\$ 477,668</b>	<b>\$ 619,162</b>	<b>\$ 4,684,824</b>	<b>\$ 4,284,172</b>	<b>\$ (407,335)</b>	<b>37%</b>	<b>118%</b>

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

1/24/2018--10:17 AM  
2017-18CBWM\_Invoice\_Summary\_ISBM\_20180108--P projection Summary



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

The Fiscal Year 2017/18 Progress and Estimated Cost at Completion for the Period July 1, 2017 through December 31, 2017 report from Wildermuth Environmental, Inc. is provided. Please access this link:

[http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%202nd%20Quarter%20Narrative%20Review July%201,%202017%20to%20December%2031,%202017.PDF](http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%202nd%20Quarter%20Narrative%20Review%20July%201,%202017%20to%20December%2031,%202017.PDF)

The third ECAC report is scheduled to be issued in mid-May 2018 for the period July 1, 2017 through March 31, 2018.

November 2017:

The first ECAC report for the current fiscal year has been provided for the period ending September 30, 2017 and shows a projected over budget at fiscal year-end June 30, 2018 of \$117,029. The majority of the projected budget overage in the amount of \$161,874 is in the Storage Management/Conjunctive Use expenses (7602). This activity was originally developed and designed as a two year-project and budgeted accordingly during the FY 2017/18 budgeting process. Due to specific deadlines, Watermaster has requested the timeline be pushed forward and the total budget for this fiscal year is projected at \$344,081. If the activities are being completed earlier than projected, a Budget Amendment during FY 2017/18 would need to be presented for approval to continue the funding.

The other category projected to be over budget by the amount of \$36,631 at June 30, 2018 is the expenses related to Update IEUA's Recycled Water Permits/Maximum Benefit Salinity Management Plan for the Chino Basin expenses (7510). This category could be funded through a Budget Amendment, as described above, or through a Budget Transfer. As an offset to the accounts projected to be over budget, there are also some activities that are projected to be under budget at fiscal year-end June 30, 2018.

**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of September 30, 2017**

Acct #	Description	Original Budget	Revised Budget	Billed Jul-17	Billed Aug-17	Billed Sep-17	Projected Oct-17	Projected Nov-17	Projected Dec-17	Projected Jan-18
6609	OBMP Engineering	\$ 450,819	\$ 450,819	\$ 35,595	\$ 39,218	\$ 41,690	\$ 52,895	\$ 42,004	\$ 28,809	\$ 26,582
6609.1	OBMP - Watermaster Model Applications	59,164	59,164	-	12,605	-	30,000	2,070	2,070	2,370
6609.9	2018 RMPU Recharge Master Update	65,000	65,000	18,580	21,059	-	10,000	1,923	1,923	1,923
7103.3	GW and SW Quality - Engineering Services	193,714	193,714	10,926	22,150	19,355	23,910	13,044	21,326	11,567
7103.5	GW and SW Quality - Laboratory Services	80,653	80,653	2,032	14,258	9,890	12,942	10,000	14,657	2,132
7104.3	GW Level - Engineering Services	237,549	237,549	12,010	14,070	10,271	18,349	28,760	22,156	16,159
7104.9	GW Level - Contract Services	10,000	10,000	-	-	-	-	-	-	-
7104.90	GW Level - Capital Services	9,000	9,000	599	579	-	-	-	-	1,700
7107.2	Ground Level - Engineering Services	49,765	69,497	3,393	4,032	1,491	3,050	9,461	7,193	8,359
7107.3	Ground Level - SAR Imagery	88,608	88,608	-	-	12,000	-	12,167	-	-
7107.9	Ground Level - Contract Services	144,359	189,652	14,298	-	-	-	-	11,600	-
7107.9	Ground Level - Capital Equipment	5,359	5,359	-	-	119	-	500	500	500
7109.31	IEUA - Prado Basin Habitat Monitoring	75,929	81,929	7,635	857	-	16,465	16,919	24,490	27,489
7108.6	IEUA - PBHSP - Outside Pro	5,000	5,000	-	-	-	6,358	-	-	-
7109.3	Recharge & Well Monitoring - Engineering Serv.	23,377	23,377	-	902	-	3,000	2,700	1,200	1,200
7202.2	Comp Recharge - Engineering Services	161,978	161,978	14,432	17,759	17,227	8,503	9,654	12,353	9,854
7303	OBMP - Engineering Services - Desalters	9,640	9,640	-	-	-	-	1,071	1,071	1,071
7402	OBMP - Engineering Services - MZ1	103,290	103,290	29,838	8,145	13,179	1,900	1,000	1,500	2,000
7402.1	OBMP - Engineering Services - Northwest MZ1	1,507,579	1,649,785	3,149	27,000	18,690	15,460	241,353	232,447	228,979
7403	OBMP - Contract Services - MZ1	20,000	20,000	-	-	-	-	-	-	-
7502	OBMP - Engineering Services - WQC	79,113	79,113	11,419	12,542	4,896	3,000	2,359	2,000	7,876
7510	IEUA - Update Recycled Water Permit - Salinity	125,808	125,808	10,850	2,187	51,348	55,000	40,644	40,644	18,000
7602	Storage Management/Conjunctive Use	182,207	182,207	24,218	48,298	54,920	65,000	21,993	21,993	21,993
<b>Totals</b>		<b>\$ 3,683,730</b>	<b>\$ 3,876,837</b>	<b>\$ 197,730</b>	<b>\$ 241,657</b>	<b>\$ 252,434</b>	<b>\$ 323,931</b>	<b>\$ 457,905</b>	<b>\$ 446,312</b>	<b>\$ 402,114</b>





**Attachment 1a**  
**Chino Basin Watermaster: Invoice Projections for Engineering Tasks for Fiscal Year 2017/18**  
**As of September 30, 2017**

Acct #	Description	Projected Feb-18	Projected Mar-18	Projected Apr-18	Projected May-18	Projected Jun-18	Total Projected	Less IEUA Portion of Cost Share			
								Total Projected	Under/ (Over) Rev. Budget	YTD % Billed Rev. Budget	Projected % Rev. Budget
6908	OBMP Engineering	\$ 37,204	\$ -44,094	\$ 32,504	\$ 32,504	\$ 32,504	\$ 458,075	\$ 458,075	\$ (5,458)	26%	101%
6908.1	OBMP - Watermaster Model Applications	2,070	2,070	2,070	2,070	2,068	58,164	58,164	-	21%	100%
6908.2	2018 RMPU Recharge Master Update	1,823	1,823	1,823	1,823	1,820	65,000	65,000	-	81%	100%
7103.3	GW and SW Quality - Engineering Services	14,725	18,500	7,494	4,725	22,848	180,679	180,679	3,038	27%	99%
7103.5	GW and SW Quality - Laboratory Services	-	4,688	2,192	-	4,688	78,937	78,937	3,718	32%	95%
7104.3	GW Level - Engineering Services	22,810	23,508	14,058	28,199	21,184	224,340	224,340	13,208	15%	84%
7104.9	GW Level - Contract Services	-	-	-	10,000	-	10,000	10,000	-	0%	100%
7104.9	GW Level - Capital Services	-	-	-	-	5,100	7,978	7,978	22	16%	100%
7107.2	Ground Level - Engineering Services	9,127	7,048	8,198	8,044	2,558	87,952	87,952	1,645	13%	99%
7107.3	Ground Level - SAR Imagery	18,609	-	58,890	-	-	98,775	98,775	(12,167)	14%	114%
7107.6	Ground Level - Contract Services	32,325	32,325	38,853	25,902	12,951	188,552	188,552	-	8%	100%
7107.9	Ground Level - Capital Equipment	500	469	830	1,000	800	5,278	5,278	91	2%	99%
7108.31	IEUA - Prado Basin Habitat Monitoring	24,628	19,448	19,748	4,430	2,678	158,371	78,185	2,744	10%	97%
7108.3	IEUA - PBHSP - Outside Pro	-	-	-	-	-	8,958	4,429	571	0%	88%
7109.3	Recharge & Well Monitoring - Engineering Serv.	2,700	1,200	4,800	2,700	1,477	21,079	21,079	2,238	4%	93%
7202.2	Comp Recharge - Engineering Services	12,169	14,854	14,854	17,154	15,783	181,878	181,878	-	31%	100%
7303	OBMP - Engineering Services - Desalters	1,071	1,071	1,071	1,071	1,071	8,569	8,569	1,071	0%	89%
7402	OBMP - Engineering Services - MZ1	11,832	10,600	15,830	14,000	10,500	115,663	115,663	(11,809)	46%	111%
7402.1	OBMP - Engineering Services - Northwest MZ1	229,829	234,649	163,788	223,354	8,800	1,827,274	1,827,274	22,511	3%	99%
7403	OBMP - Contract Services - MZ1	-	5,000	5,000	5,000	500	20,000	20,000	-	0%	100%
7502	OBMP - Engineering Services - WOC	10,365	13,880	8,830	1,850	1,100	78,113	78,113	-	38%	100%
7510	IEUA - Update Recycled Water Permit - Salinity	15,015	22,647	22,647	22,647	22,647	324,875	182,437	(88,631)	51%	128%
7602	Storage Management/Conjunctive Use	21,683	21,683	21,683	21,680	-	344,081	344,081	(181,874)	86%	182%
<b>Totals</b>		<b>\$ 468,313</b>	<b>\$ 476,634</b>	<b>\$ 431,729</b>	<b>\$ 435,084</b>	<b>\$ 488,075</b>	<b>\$ 4,299,917</b>	<b>\$ 4,053,868</b>	<b>\$ (177,029)</b>	<b>84%</b>	<b>111%</b>

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

11/15/2017--9:18 AM  
2017-18CBWM\_Invoice\_Summary\_ISBM\_20171011ECAC--Projection Summary



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

The Fiscal Year 2017/18 Progress and Estimated Cost at Completion for the Period July 1, 2017 through September 30, 2017 report from Wildermuth Environmental, Inc. is provided. Please access this link:

[http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%201st%20Quarter%20Narrative%20Review\\_July%201,%202017%20to%20September%2030,%202017.PDF](http://www.cbwm.org/FTP/ECAC%20Reports/2017-18%201st%20Quarter%20Narrative%20Review_July%201,%202017%20to%20September%2030,%202017.PDF)

The second ECAC report is scheduled to be issued in mid-February 2018 for the period July 1, 2017 through December 31, 2017.

July 2017:

The breakdown of the total Task Order amount of \$3,683,730 includes direct labor costs for Wildermuth Environmental, Inc. (55.9%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (44.1%).

The approved "Original" Engineering Services budget of \$3,683,730 was increased by "Carry Over" funding in the amount of \$193,107 to the "Amended" amount of \$3,876,837 for FY 2017/18 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 2017/18 timeframe or future years. The Carry-Over amount of \$193,107 from FY 2016/17 to the FY 2017/18 budget are provided in detail as follows:

- 7107.2 Ground-Level – Engineering Services of \$20,702. This budget was for work to identify and install a new horizontal extensometer in the Managed Area. This work was not performed in FY 2016/17 because the GLMC did not recommend the installation of a horizontal extensometer as of yet, and may not recommend the installation in FY 2017/18. The budget is recommended to be carried over because the GLMC may recommend the use of this budget in FY 2017/18 to install additional benchmark monuments across the historical fissure zone for monitoring of ground motion via traditional leveling surveys and electronic distance measurements.
- 7107.6 Ground-Level – Contract Services of \$24,196. This budget was for Outside Professional services to assist with identifying and installing a new horizontal extensometer in the Managed Area. This work was not performed in FY 2016/17 because the GLMC did not recommend the installation of

a horizontal extensometer as of yet, and may not recommend the installation in FY 2017/18. The budget is recommended to be carried over because the GLMC may recommend the use of this budget in FY 2017/18 to install additional benchmark monuments across the historical fissure zone for monitoring of ground motion via traditional leveling surveys and electronic distance measurements.

3. 7108.31 HCMP – Engineering Services for \$6,000. This carryover budget is for finalizing the 2016 Annual Report of the PBHSC, including responding to comments from the state and federal Fish and Wildlife departments.
4. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$142,209. This carryover budget is for work not performed in FY 2016/17 including: (i) finalizing the Categorical Exemption for the Pomona Extensometer to comply with CEQA; (ii) support for preparation of the bid package for selection of the drilling contractor; (iii) support for the bid and contractor selection; (iv) updating the SCADA systems for MVWD and City of Pomona to collect high-resolution production and water-level data; and (v) finalizing the reports on the hydrogeology of the Northwest MZ-1 Area and the modeling of subsidence management alternatives. All of this work will be completed in FY 2017/18.

#### PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

##### Ongoing Costs

Program costs that are ongoing (Ongoing Costs) will be cost-shared between Watermaster and IEUA, split on a 50/50 basis, subject to the following limitation: in each fiscal year, neither Watermaster nor IEUA shall be obligated to reimburse the other for Ongoing Costs that exceed the amount that the reimbursing party has budgeted for Ongoing Costs in that fiscal year, except as agreed upon by both parties in writing or as amended during the fiscal year. The first year expenses (FY 2016/17) to be cost shared is approximately \$300,000, with projected future years (FY 2017/18 and forward) estimated at approximately \$150,000. For the purposes of the agreement, Ongoing Costs are defined as the costs associated with the following Program activities:

1. A Riparian Habitat Monitoring Program, including, but not limited to, the following sub-tasks:
  - a. Design and implement a site-specific vegetation monitoring program with the United States Bureau of Reclamation (USBR) and Orange County Water District, pursuant to which USBR will perform site-specific vegetation surveys.
  - b. Manage and perform custom flight to collect a high resolution air photo of the Prado Basin Region.
  - c. Collect, check, and upload historical air photos and vegetation survey data in the Prado Basin region.
  - d. Collect, check, and upload historical Landsat data in the Prado Basin region.
2. A Climate Monitoring Program, including, but not limited to, the following sub-task:
  - a. Collect, check, and upload climatic data on an annual basis
3. Preparation of the AMP Annual Report (Annual Report), including, but not limited to, the following sub-tasks:
  - a. Water level monitoring, vegetation survey, photo monitoring, landsat data, climate data and analysis of the components.
  - b. Analyze data and prepare an administrative draft of the Annual Report for Watermaster/IEUA.
  - c. Incorporate the Watermaster and IEUA comments and prepare a draft Annual Report for review by the PBHSC.
  - d. Meet with PBHSC to review draft Annual Report.
  - e. Incorporate PBHSC comments and finalize the Annual Report.
4. Annual license fees for monitoring wells.
5. Project management and administration activities associated with the Program undertaken by a Party's consultant, including, but not limited to, the following sub-tasks:

- a. Ad-Hoc Meetings
- b. Preparation of scope and budget for the Program
- c. Project administration and financial reporting

6. Other costs required to fulfill the requirements of Peace II Subsequent EIR mitigation measure 4.4-3.

Watermaster shall be responsible for the costs associated with the Groundwater Level Monitoring Program, Groundwater Quality Monitoring Program, and Surface Water Monitoring Program.

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

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

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

	Wildermuth Environmental, Inc.	50% Billing "TO" IEUA	50% Billing "FROM" IEUA	Costs For Watermaster
Jul. 2017 - Apr. 2018	\$ 159,047.63	\$ (79,523.80)	\$ -	\$ 79,523.84
<b>Totals</b>	<b>\$ 159,047.63</b>	<b>\$ (79,523.80)</b>	<b>\$ -</b>	<b>\$ 79,523.84</b>
	7108.31	7108.31	7108.31	
<b>Maximum Costs</b>	<b>\$ 161,860.00</b>	<b>\$ 80,930.00</b>	<b>\$ 80,930.00</b>	<b>\$ 80,930.00</b>

PREVIOUSLY REPORTED ACTIONS (Descending Order)

July 2017:

**Start-up Costs**

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 was to ensure that the Prado Basin riparian habitat was not impacted by Hydraulic Control. The basic program tasks were to convene a committee that would 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 was 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.

The agreement was 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 was 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 had been applied for to offset the cost of this program; however, the Grants were not approved.

The information listed below is provided for the period of May 1, 2012 through June 30, 2017.

	<b>Actual (Program Costs)</b>
Adaptive Management Plan (AMP) - RBF	\$ 123,030.00
Monitoring Wells	\$ 166,326.66
WEI - Field Service	\$ 326,119.00
Tom Dodson - Initial Enviro	\$ 13,500.00
ESA - Enviro Reporting	\$ 39,328.79
Easements and Fees	\$ 65,465.06
IEUA - Contract CM labor	\$ 11,409.00
USBR Vegetation Survey	\$ 20,000.00
Annual Permit Fees	\$ 2,469.44
<b>Grand Total</b>	<b>\$ 767,647.95</b>
<b>50/50 Share</b>	<b>\$ 383,823.98</b>
<b>Amount Paid by IEUA</b>	<b>\$ 383,823.98</b>
<b>Amount Paid by CBWM</b>	<b>\$ 383,823.98</b>
<b>Grand Total Paid</b>	<b>\$ 767,647.95</b>

**OTHER INCOME AND EXPENSE**

There were no other significant items to report within the category of Other Income and Expenses for the month ending April 30, 2018.

**PREVIOUSLY REPORTED ACTIONS (Descending Order)**

**January 2018:**

During the month of January 2018, Chino Basin Watermaster received an invoice from IEUA in the amount of \$763,169.40 for the purchase of 1,145.900 AF of untreated water. The purchase consisted of Cumulative Unmet Replenishment Obligation (CURO) purchases of 967.691 AF and Desalter Replenishment Obligation (DRO) purchases of 178.209 AF. The total purchase of 1,145.900 AF at an AF cost of \$666 (1,145.900 AF X \$666 = \$763,169.40). The amount of \$763,169.40 has been recorded to Groundwater Replenishment expense (5010).

**August 2017:**

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 2017/18 annual administrative fee invoice was issued on July 6, 2017 in the amount of \$163,621.82 under invoice number DYY 17-01. Payment in the amount of \$163,621.82 was received and deposited on August 7, 2017.

The three contributions of \$10,000 each (totaling \$30,000) to update the Blomquist Report were invoiced in July 2017 and all three payments have been received from Three Valleys Municipal Water District, Western Municipal Water District, and Inland Empire Utilities Agency.

**"CARRY OVER" FUNDING**

#### BACKGROUND OF "CARRY OVER" FUNDING

Once the FY 2016/17 period as of June 30, 2017 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 2017/18 budget. The Total "Carry Over" funding amount of \$4,119,779.24 was posted to the accounts as of July 1, 2017. The total amount of \$4,119,779.24 consisted of \$3,926,672.24 from Capital Improvement Projects and \$193,107 from Engineering Services.

#### CURRENT MONTH – APRIL 2018

As of April 30, 2018, the total (YTD) amount remaining of the "Carried Over" funding is \$3,557,804.97 ( $\$4,119,779.24 - \$561,974.27 = \$3,557,804.97$ ).

The following details are provided:

"Carried Over" Expenses At June 30, 2017

			GL Account		
Ground Level - Engineering Services	\$ 20,702.00	A	7107.2 <sup>2</sup>	FY 2016/17	ENG
Ground Level - Contract Services	\$ 24,196.00	B	7107.6 <sup>3</sup>	FY 2016/17	ENG
Hydraulic Control Engineering - PBHSP	\$ 6,000.00	C	7108.31 <sup>4</sup>	FY 2016/17	ENG
PE4 - Northwest MZ-1 Area Project	\$ 142,209.00	D	7402.1 <sup>5</sup>	FY 2016/17	ENG
Jurupa Pumping Station (TO #5)	\$ 37,981.33	E	7209.1 <sup>1</sup>	FY 2013/14	PROJ
Wineville Basin Proof of Concept (TO #6)	\$ 35,397.53	F	7209.2 <sup>1</sup>	FY 2013/14	PROJ
RMPU Amendment (TO #1)	\$ 1,205,263.30	G	7690.15	FY 2016/17	PROJ
East Declaz Basin (TO #1)	\$ 1,171.33	H	7690.16 <sup>1</sup>	FY 2016/17	PROJ
Hickory Basin Recharge Improvement Project	\$ 3,877.00	I	7690.3 <sup>1</sup>	FY 2013/14	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 125,851.95	J	7690.4	FY 2014/15	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 1,126,900.00	J	7690.4	FY 2015/16	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ 1,065,600.00	J	7690.4	FY 2016/17	PROJ
CB20 Turnout Noise Abatement Project	\$ 859.80	K	7690.5 <sup>1</sup>	FY 2013/14	PROJ
GWR SCADA Upgrades (TO #4)	\$ 134,615.86	L	7690.61	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ 38,675.00	L	7690.61	FY 2015/16	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 32,836.88	M	7690.7	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ 5,000.00	M	7690.7	FY 2015/16	PROJ
Lower Day Basin RMPU (TO #2)	\$ 112,642.26	N	7690.8	FY 2016/17	PROJ
<b>Total Balance, June 30, 2017</b>	<b>\$ 4,119,779.24</b>				

"Carried Over" Balance, July 1, 2017 \$ 4,119,779.24

Less: (Invoices Received To Date FY 2017/18)

Ground Level - Engineering Services	\$ (20,702.00)	A	7107.2 <sup>2</sup>	FY 2016/17	ENG
Ground Level - Contract Services	\$ (24,196.00)	B	7107.6 <sup>3</sup>	FY 2016/17	ENG
Hydraulic Control Engineering - PBHSP	\$ (6,000.00)	C	7108.31 <sup>4</sup>	FY 2016/17	ENG
PE4 - Northwest MZ-1 Area Project	\$ (112,607.35)	D	7402.1 <sup>5</sup>	FY 2016/17	ENG
RMPU Amendment (TO #1)	\$ (156,077.62)	G	7690.15	FY 2016/17	PROJ
San Sevaine Recharge Improvement Project (TO #8)	\$ (19,261.77)	J	7690.4	FY 2014/15	PROJ
GWR SCADA Upgrades (TO #4)	\$ (98,000.81)	L	7690.61	FY 2014/15	PROJ
Upper Santa Ana River HCP (TO #7)	\$ (17,774.00)	M	7690.7	FY 2014/15	PROJ
Lower Day Basin RMPU (TO #2)	\$ (107,354.72)	N	7690.8	FY 2016/17	PROJ
<b>Updated Balance as of April 30, 2018</b>	<b>\$ 3,557,804.97</b>				

<sup>1</sup> Project completed and funds are available for reallocation to another project, distribution to Appropriative Pool, or maintain as extra funding

<sup>2</sup> Work to identify and install a new horizontal extensometer in the Managed Area

<sup>3</sup> Outside Professional services to assist with identifying and installing a new horizontal extensometer in the Managed Area

<sup>4</sup> Finalizing the 2016 Annual Report of the PBHSC, including responding to comments from the state/federal Fish and Wildlife departments

<sup>5</sup> For work not performed in FY 2016/17 related to the Northwest MZ-1 horizontal extensometer

**ENGINEERING SERVICES:**

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2016/17 in several accounts totaling \$193,107 were "Carried Over" into the current FY 2017/18 budget. These funds were from the Ground Level - Engineering Services [A] in the amount of \$20,702 in account (7107.2); Ground Level - Contract Services [B] in the amount of \$24,196 in account (7107.6); Hydraulic Control-Engineering - PBHSP [C] in the amount of \$6,000 in account (7108.31); and PE4-Northwest MZ-1 Area Project [D] in the amount of \$142,209 in account (7402.10).

**COMPLETED PROJECTS WITH FUNDING AVAILABLE:**

Several projects were completed during FY 2016/17 or in prior years 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 [E] in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept [F] in the amount of \$35,397.53 (account 7209.2); East Declaz Basin [H] in the amount of \$1,171.33 (account 7690.16); Hickory Basin Recharge Improvement Project [I] in the amount of \$3,877.00 (account 7690.3); and CB20 Turnout Noise Abatement Project [K] in the amount of \$859.80 (account 7690.5). The total amount available is \$79,286.99 ( $\$37,981.33 + \$35,397.53 + \$1,171.33 + \$3,877.00 + \$859.80 = \$79,286.99$ ).

#### ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [G] has a remaining budget from FY 2016/17 of \$1,205,263.30 in account (7690.15); the San Sevaine Recharge Improvement Project-Task Order #8 [J] has a remaining funded budget balance of \$2,318,351.95 in account (7690.4); the GWR SCADA Upgrades-Task Order #4 [L] has a remaining funded budget balance of \$173,290.86 in account (7690.61); the Upper Santa Ana River HCP-Task Order #7 [M] has a remaining funded balance of \$37,836.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [N] has a remaining funded budget balance of \$112,642.26 in account (7690.8). The total funded budget for these combined projects is \$3,847,385.25.

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, 2018, any remaining balances of the FY 2017/18 and prior years funding (if any), along with any new FY 2017/18 expenses, will then be "Carried Over" into the FY 2018/19 budget.

#### AUDIT FIELD WORK

##### FY 2017/18:

The auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on April 17, 2018. This was the start of the interim field work for the period of July 1, 2017 through February 28, 2018. The final field work for the period of March 1, 2018 through June 30, 2018 is planned for August 7, 2018 through August 8, 2018, with the Annual Financial and Audit Reports presented to the Watermaster Board by Fedak & Brown LLP at the November 15, 2018 Board meeting. The Annual Financial and Audit Reports for FY 2017/18 are anticipated to be posted to the Watermaster website no later than December 15, 2018.

##### FY 2016/17:

The auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on April 5, 2017 through April 6, 2017. This was the start of the interim field work for the period of July 1, 2016 through February 28, 2017. The final field work for the period of March 1, 2017 through June 30, 2017 was completed during August 14, 2017 through August 16, 2017. The Annual Financial and Audit Reports were presented to the Watermaster Board by Fedak & Brown LLP at the November 16, 2017 Board meeting. At the November 16, 2017 Board meeting, the Board unanimously approved to receive and file the audit reports. The Annual Financial and Audit Reports for FY 2016/17 were posted to the Watermaster website on November 17, 2017.

#### ASSESSMENT INVOICING

##### CURRENT MONTH – APRIL 2018

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

#### PREVIOUSLY REPORTED ACTIONS (Descending Order)

##### December 2017:

The Watermaster Board approved the FY 2017-2018 Assessment Package (Production Year 2016-2017) at the November 16, 2017 meeting. Watermaster staff created and emailed the Assessment invoices on

Thursday, November 16, 2017. The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business at 5:00pm on Monday, December 18, 2017. As in prior years, payments could be made by either check or wire transfer. As of December 18, 2017 at 5:00pm, all but two payments had been received. The two late payments were both received on December 21, 2017. On December 22, 2017 the late fees totaling \$47.34 (\$39.90 and \$7.44) were invoiced. Both late fee payments have been received as of January 26, 2018.

November 2017:

The Watermaster Board approved the FY 2017-2018 Assessment Package (Production Year 2016-2017) at the November 16, 2017 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 16, 2017. The Assessment invoices were due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business at 5:00pm on Monday, December 18, 2017. As in prior years, payments could be made by either check or wire transfer. As of December 18, 2017 at 5:00pm, all but two payments had been received. The two late payments were both received on December 21, 2017. On December 22, 2017 the late fees totaling \$47.34 (\$39.90 and \$7.44) were invoiced.

October 2017:

The Watermaster Board approved the FY 2017-2018 Assessment Package (Production Year 2016-2017) at the November 16, 2017 meeting. Watermaster staff created and emailed the Assessment invoices on Thursday, November 16, 2017. The Assessment invoices are due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of business Monday, December 18, 2017. As in prior years, payments can be made by either check or wire transfer.

This year's Assessment invoicing included the standard Assessment amounts per the Assessment Package, along with any Special Assessments and the "Excess Cash Reserve" refund credits. The Appropriative Pool had a Special Assessment of \$75,000 as approved during the budgeting process. The \$75,000 was allocated to the Appropriative Pool members based upon a prorated formula of 50% Operating Safe Yield (OSY) and 50% physical production numbers from FY 2016/17.

The Non-Agricultural Pool had a Special Assessment of \$60,000 as approved during a Confidential Session on April 13, 2017. The \$60,000 was allocated to the Non-Agricultural Pool members based upon the actual production numbers from 2016/17.

For this fiscal year, there were no refunds due regarding the Excess Cash Reserve refunds to the Appropriative Pool members and the Non-Agricultural Pool members. The Excess Cash Reserve-Recharge Debt Payment refund of \$78,397 was refunded to the Appropriative Pool members based upon the pro rata share of FY 2016/17 Recharge Debt Assessments paid. The refunds were applied as credits on the Assessment invoices and allocated based upon last year's percentage of assessments paid.

Also please note that the Recharge Improvement Project budget of \$2,839,000 was not part of the assessment invoicing. Watermaster did not invoice for the recharge improvement project assessment of \$2,839,000 at this time, because it appears there is a good probability that State Revolving Fund loan monies would be made available before the money was spent by IEUA. In case there is need to pay IEUA for project expenses before loans are secured, a special assessment would be recommended.

September 2017:

The Assessment Year 2017-2018 Package (Production Year 2016-2017) is scheduled for presentation to the Appropriative Pool and Non-Agricultural Pool at the November 9, 2017 meetings; the Agricultural Pool on November 13, 2017; and approval by the Advisory Committee and adoption by the Watermaster Board at the November 16, 2017 meetings.

Once the Watermaster Board adopts the Assessment Package, Watermaster staff intends to create and email the Assessment invoices on Friday, November 17, 2017. The Assessment invoices are due 30 days from invoice date, with all payments to be received by Watermaster on or before the close of



business Monday, December 18, 2017. As in prior years, payments can be made by either check or wire transfer

ATTACHMENTS

1. Financial Report - B5

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	1/12th (8.33%) of the Total Budget				9/12th (75.00%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2018				Year-To-Date as of April 30, 2018				Fiscal Year End as of June 30, 2018			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
<b>Income</b>												
4010 · Local Agency Subsidies	0.00	0.00	0.00	0.0%	193,621.82	191,626.00	1,995.82	101.04%	193,621.82	191,626.00	1,995.82	101.04%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.00	0.0%	8,407,583.88	11,279,242.00	-2,871,658.12	74.54%	8,407,538.88	11,279,242.00	-2,871,703.12	74.54%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.00	0.0%	360,242.82	327,924.00	32,318.82	109.86%	360,242.82	327,924.00	32,318.82	109.86%
4700 · Non Operating Revenues	6.17	0.00	6.17	100.0%	103,594.65	27,935.00	75,659.65	370.84%	148,088.48	39,906.00	108,182.48	371.09%
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%
<b>Total Income</b>	<b>6.17</b>	<b>0.00</b>	<b>6.17</b>	<b>100.0%</b>	<b>9,065,043.17</b>	<b>11,826,727.00</b>	<b>-2,761,683.83</b>	<b>76.65%</b>	<b>9,109,492.00</b>	<b>11,838,698.00</b>	<b>-2,729,206.00</b>	<b>76.95%</b>
<b>Gross Profit</b>	<b>6.17</b>	<b>0.00</b>	<b>6.17</b>	<b>100.0%</b>	<b>9,065,043.17</b>	<b>11,826,727.00</b>	<b>-2,761,683.83</b>	<b>76.65%</b>	<b>9,109,492.00</b>	<b>11,838,698.00</b>	<b>-2,729,206.00</b>	<b>76.95%</b>
<b>Expense</b>												
6010 · Admin. Salary/Benefit Costs	74,034.90	85,153.00	-11,118.10	86.94%	889,893.42	850,825.00	39,068.42	104.59%	1,087,811.36	1,022,564.00	65,247.36	106.38%
6020 · Office Building Expense	9,339.08	9,124.00	215.08	102.36%	85,872.27	94,116.00	-8,243.73	91.24%	104,044.25	112,914.00	-8,869.75	92.15%
6030 · Office Supplies & Equip.	2,061.56	2,250.00	-188.44	91.63%	17,162.30	22,125.00	-4,962.70	77.57%	23,634.32	26,500.00	-2,865.68	89.19%
6040 · Postage & Printing Costs	3,006.98	3,578.00	-571.02	84.04%	32,130.19	39,585.00	-7,454.81	81.17%	43,830.95	45,693.00	-1,862.05	95.93%
6050 · Information Services	17,215.57	12,166.00	5,049.57	141.51%	123,769.79	128,725.00	-4,955.21	96.15%	152,072.29	152,912.00	-839.71	99.45%
6060 · Contract Services	5,315.88	4,200.00	1,115.88	126.57%	51,084.38	52,400.00	-1,315.62	97.49%	67,524.67	68,000.00	-475.33	99.3%
6070 · Watermaster Legal Services	45,688.26	16,326.00	29,362.26	279.85%	331,475.82	153,425.00	178,050.82	216.05%	356,050.08	176,075.00	179,975.08	202.22%
6080 · Insurance	0.00	0.00	0.00	0.0%	25,564.11	29,768.00	-4,203.89	85.88%	28,064.11	29,768.00	-1,703.89	94.28%
6110 · Dues and Subscriptions	0.00	180.00	-180.00	0.0%	24,681.39	24,885.00	-203.61	99.18%	24,681.39	24,885.00	-203.61	99.18%
6140 · WM Admin Expenses	0.00	0.00	0.00	0.0%	1,460.97	1,975.00	-514.03	73.97%	1,947.96	2,350.00	-402.04	82.89%
6150 · Field Supplies	169.70	750.00	-580.30	22.63%	242.67	1,450.00	-1,207.33	16.74%	1,300.00	1,450.00	-150.00	89.66%
6170 · Travel & Transportation	1,817.81	1,925.00	-107.19	94.43%	14,252.37	44,639.00	-30,386.63	31.93%	16,579.41	47,469.00	-30,889.59	34.93%
6190 · Training, Conferences, Seminars	3,195.02	2,504.00	691.02	127.6%	29,170.70	31,220.00	-2,049.30	93.44%	34,634.24	37,428.00	-2,793.76	92.54%
6200 · Advisory Comm - WM Board	3,267.49	3,695.00	-427.51	88.43%	26,251.22	36,201.00	-9,949.78	72.52%	33,644.97	43,908.00	-10,263.03	76.63%
6300 · Watermaster Board Expenses	11,904.11	13,028.00	-1,123.89	91.37%	111,079.57	149,349.00	-38,269.43	74.38%	138,233.95	175,546.00	-37,312.05	78.75%
8300 · Appr PI-WM & Pool Admin	6,042.31	11,533.00	-5,490.69	52.39%	90,505.21	114,190.00	-23,684.79	79.26%	118,617.20	137,642.00	-19,024.80	86.18%
8400 · Agri Pool-WM & Pool Admin	3,846.54	5,186.00	-1,339.46	74.17%	31,608.70	50,226.00	-18,617.30	62.93%	42,016.21	60,903.00	-18,886.79	68.99%
8467 · Ag Legal & Technical Services	34,362.50	17,084.00	17,278.50	201.14%	258,045.00	170,834.00	87,211.00	151.05%	308,243.33	205,000.00	103,243.33	150.36%
8470 · Ag Meeting Attend -Special	1,275.00	1,850.00	-575.00	68.92%	10,850.00	18,500.00	-7,650.00	58.65%	12,766.67	22,200.00	-9,433.33	57.51%
8471 · Ag Pool Expense	0.00	21,250.00	-21,250.00	0.0%	11,153.00	85,000.00	-73,847.00	13.12%	14,870.67	85,000.00	-70,129.33	17.5%
8485 · Ag Pool - Misc. Exp. - Ag Fund	0.00	0.00	0.00	0.0%	57.02	300.00	-242.98	19.01%	207.02	400.00	-192.98	51.76%
8500 · Non-Ag PI-WM & Pool Admin	2,692.59	9,205.00	-6,512.41	29.25%	72,355.64	89,947.00	-17,591.36	80.44%	95,384.07	108,507.00	-13,122.93	87.91%
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	-20,141.65	-33,634.00	13,492.35	59.89%	-156,773.16	-336,345.00	179,571.84	46.61%	-182,175.35	-403,615.00	221,439.65	45.14%
6900 · Optimum Basin Mgmt Plan	68,203.75	103,979.66	-35,775.91	65.59%	935,002.03	1,076,177.66	-141,175.63	86.88%	1,178,231.04	1,284,844.00	-106,612.96	91.7%
9501 · G&A Expenses Allocated-OBMP	2,729.69	7,025.00	-4,295.31	38.86%	32,114.63	70,248.00	-38,133.37	45.72%	39,179.92	84,298.00	-45,118.08	46.48%
7101 · Production Monitoring	10,380.69	4,423.00	5,957.69	234.7%	55,490.73	45,480.00	10,010.73	122.01%	60,146.72	54,742.00	5,404.72	109.87%
7102 · In-line Meter Installation	270.98	6,191.00	-5,920.02	4.38%	1,220.13	57,245.00	-56,024.87	2.13%	25,949.15	68,072.00	-42,122.85	38.12%
7103 · Grdwtr Quality Monitoring	14,990.17	21,143.00	-6,152.83	70.9%	225,055.51	271,343.00	-46,287.49	82.94%	280,087.12	314,051.00	-33,963.88	89.19%
7104 · Gdwtr Level Monitoring	19,715.43	25,506.00	-5,790.57	77.3%	246,340.58	255,996.00	-9,655.42	96.23%	302,166.87	307,320.00	-5,153.13	98.32%
7105 · Sur Wtr Qual Monitoring	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7106 · Wtr Level Sensors Installation	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
7107 · Ground Level Monitoring	35,809.39	39,920.00	-4,110.61	89.7%	199,855.68	367,092.00	-167,236.32	54.44%	233,728.39	403,627.00	-169,898.61	57.91%

Page 1 of 2

	1/12th (8.33%) of the Total Budget				9/12th (75.00%) of the Total Budget				100% of the Total Budget			
	For The Month of April 2018				Year-To-Date as of April 30, 2018				Fiscal Year End as of June 30, 2018			
	Actual	Budget	\$ Over(Under)	% of Budget	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
7108 · Hydraulic Control Monitoring	14,005.45	9,851.00	4,154.45	142.17%	104,174.73	98,728.00	5,446.73	105.52%	118,225.71	118,504.00	-278.29	99.77%
7109 · Recharge & Well Monitoring Prog	5,156.50	1,948.00	3,208.50	264.71%	16,319.10	19,481.00	-3,161.90	83.77%	18,383.47	23,377.00	-4,993.53	78.64%
7200 · PE2- Comp Recharge Pgm	274,540.31	285,744.00	-11,203.69	96.08%	997,969.22	1,354,061.86	-356,092.64	73.7%	1,239,571.88	1,397,464.86	-157,892.98	88.7%
7300 · PE3&5-Water Supply/Desalte	0.00	2,682.00	-2,682.00	0.0%	0.00	27,174.00	-27,174.00	0.0%	25,000.00	32,657.00	-7,657.00	76.55%
7400 · PE4- Mgmt Plan	18,574.80	136,752.00	-118,177.20	13.58%	196,579.07	1,511,745.00	-1,315,165.93	13.0%	1,737,339.03	1,785,322.00	-47,982.97	97.31%
7500 · PE6&7-CoopEfforts/SaltMgmt	15,102.51	16,892.00	-1,789.49	89.41%	180,166.97	182,154.00	-1,987.03	98.91%	214,085.95	215,016.00	-930.05	99.57%
7600 · PE8&9-StorageMgmt/Conj Use	34,152.50	3,878.00	30,274.50	880.67%	455,838.11	542,291.00	-86,452.89	84.06%	550,247.48	550,414.00	-166.52	99.97%
7690 · Recharge Improvement Debt Pymt	0.00	0.00	0.00	0.0%	856,112.42	7,207,668.38	-6,351,555.96	11.88%	4,368,668.38	7,207,668.38	-2,839,000.00	60.61%
7700 · Inactive Well Protection Prgm	0.00	41.00	-41.00	0.0%	0.00	416.00	-416.00	0.0%	350.00	500.00	-150.00	70.0%
9502 · G&A Expenses Allocated-Projects	17,411.96	26,610.00	-9,198.04	65.43%	124,658.53	266,097.00	-141,438.47	46.85%	142,995.43	319,317.00	-176,321.57	44.78%
<b>Total Expense</b>	<b>736,137.78</b>	<b>879,938.66</b>	<b>-143,800.88</b>	<b>83.66%</b>	<b>6,708,790.02</b>	<b>15,206,737.90</b>	<b>-8,497,947.88</b>	<b>44.12%</b>	<b>13,058,340.29</b>	<b>16,350,693.24</b>	<b>-3,292,352.95</b>	<b>79.86%</b>
<b>Net Ordinary Income</b>	<b>-736,131.61</b>	<b>-879,938.66</b>	<b>143,807.05</b>	<b>83.66%</b>	<b>2,356,253.15</b>	<b>-3,380,010.90</b>	<b>5,736,264.05</b>	<b>-69.71%</b>	<b>-3,948,848.29</b>	<b>-4,511,995.24</b>	<b>563,146.95</b>	<b>87.52%</b>
<b>Other Income</b>												
4210 · Approp Pool-Replenishment	0.00	0.00	0.00	0.0%	851,066.34	0.00	851,066.34	100.0%	851,066.34	0.00	851,066.34	100.0%
4220 · Non-Ag Pool-Replenishment	0.00	0.00	0.00	0.0%	7,451.38	0.00	7,451.38	100.0%	7,451.38	0.00	7,451.38	100.0%
4225 · Interest Income	0.00	0.00	0.00	0.0%	2,258.82	0.00	2,258.82	100.0%	3,583.82	0.00	3,583.82	100.0%
4226 · LAIF Fair Market Value	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4600 · Groundwater Sales	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
4715 · Gain on Sale of Assets	0.00	0.00	0.00	0.0%	1,700.00	0.00	1,700.00	100.0%	1,700.00	0.00	1,700.00	100.0%
<b>Total Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>862,476.54</b>	<b>0.00</b>	<b>862,476.54</b>	<b>100.0%</b>	<b>863,801.54</b>	<b>0.00</b>	<b>863,801.54</b>	<b>100.0%</b>
<b>Other Expense</b>												
5010 · Groundwater Replenishment	0.00	0.00	0.00	0.0%	763,169.40	0.00	763,169.40	100.0%	763,169.40	0.00	763,169.40	100.0%
5100 · Other Water Purchases	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9200 · Interest Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9251 · Other Post Employment Benefits	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9996 · Refund-Excess Reserves-Approp.	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9997 · Refund-Excess Reserves-NonAg	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9998 · Refund-Recharge Debt-Approp.	0.00	0.00	0.00	0.0%	78,397.00	0.00	78,397.00	100.0%	78,397.00	0.00	78,397.00	100.0%
9999 · To/(From) Reserves	0.00	0.00	0.00	0.0%	0.00	-392,216.00	392,216.00	0.0%	0.00	-392,216.00	392,216.00	0.0%
<b>Total Other Expense</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>841,566.40</b>	<b>-392,216.00</b>	<b>1,233,782.40</b>	<b>-214.57%</b>	<b>841,566.40</b>	<b>-392,216.00</b>	<b>1,233,782.40</b>	<b>-214.57%</b>
<b>Net Other Income</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0%</b>	<b>20,910.14</b>	<b>392,216.00</b>	<b>-371,305.86</b>	<b>5.33%</b>	<b>22,235.14</b>	<b>392,216.00</b>	<b>-369,980.86</b>	<b>5.67%</b>
<b>Net Income</b>	<b>-736,131.61</b>	<b>-879,938.66</b>	<b>143,807.05</b>	<b>83.66%</b>	<b>2,377,163.29</b>	<b>-2,987,794.90</b>	<b>5,364,958.19</b>	<b>-79.56%</b>	<b>-3,926,613.15</b>	<b>-4,119,779.24</b>	<b>193,166.09</b>	<b>95.31%</b>

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

# **CHINO BASIN WATERMASTER**

- I. CONSENT CALENDAR (App and Ag Pool)**
  - C. APPLICATION FOR RECHARGE**

- I. BUSINESS ITEMS – ROUTINE (Non-Ag Pool)**
  - C. APPLICATION FOR RECHARGE**



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: San Antonio Water Company Application for Recharge (Consent Calendar Item I.C.)

### SUMMARY

Issue: On May 16, 2018, San Antonio Water Company submitted an Application for Recharge for up to 2,000 acre-feet to be recharged into basins along the San Antonio Channel.

Recommendation: Recommend Advisory Committee to recommend to the Watermaster Board to approve San Antonio Water Company's Application for Recharge and direct Watermaster staff to account for this supplemental water recharged in San Antonio Water Company's existing Local Supplemental Storage account.

Financial Impact: None

### Future Consideration

**Appropriative Pool – June 14, 2018:** Recommend Advisory Committee to recommend to the Watermaster Board to approve  
**Non-Agricultural Pool – June 14, 2018:** Recommend Advisory Committee to recommend to the Watermaster Board to approve  
**Agricultural Pool – June 15, 2018:** Recommend Advisory Committee to recommend to the Watermaster Board to approve  
**Advisory Committee – July 26, 2018:** Recommend Board to approve  
**Watermaster Board – July 26, 2018:** Approval [Within WM Duties and Powers]

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### ACTIONS:

**Appropriative Pool – June 14, 2018:**  
**Non-Agricultural Pool – June 14, 2018:**  
**Agricultural Pool – June 15, 2018:**  
**Advisory Committee – July 26, 2018:**  
**Watermaster Board – July 26, 2018:**

## BACKGROUND

The Court approved the Peace Agreement, the OBMP 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 (MPI), Watermaster must approve the application. Where the request for Watermaster approval is submitted by a Party to the Judgment, there is a rebuttable presumption that most of the proposed activities 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).

## DISCUSSION

On May 16, 2018, San Antonio Water Company (SAWCo) submitted an Application for Recharge for up to 2,000 acre-feet from September 2018 to September 2019. The Application states that the method of recharge is surface spreading into Basins aligned with the San Antonio Creek system. (See Attachment 1) and identifies the source of water to be Local Supplemental water. Attached to the Application is the 2015 San Antonio Canyon Watershed Sanitary Survey Update (2011-2015) to aid in the MPI analysis. (See Attachment 2.)

If and when approved, SAWCo intends to recharge the water into the Basins connected to the San Antonio Creek channel system. This water can be used to offset over-production during the 2017-2018 fiscal year, or, should the water not be used in the fiscal year for over-production, the water will be placed into storage.

An Application to Recapture Water in Storage will need to be submitted, prior to recapture. If the method and location of recapture from storage is to exchange with other groundwater producers in the Basin, when such an exchange is proposed, San Antonio Water Company and the other Party will need to submit the appropriate water transfer forms, which include the recapture plan. Per the Peace II Agreement and achievement of Hydraulic Control, losses will be applied to all water placed into a Local Supplemental Storage Account in a manner consistent to all other water held in storage.

Wildermuth Environmental, Inc. (WEI) completed a MPI analysis on June 7, 2018 declaring no negative impacts to the Basin from this recharge event. (See Attachment 3.) Staff has reviewed and recommends approval of the Application for Recharge as presented.

Once approved, SAWCo must complete Form 2b *Request to Recharge Supplemental Water by a Person to Watermaster*. Form 2b will be used by Watermaster staff to coordinate with SAWCo and the Inland Empire Utility Agency (IEUA) to develop a Recharge Operations Plan. During the Recharge event, Watermaster and IEUA will collect data to properly ensure the water is accounted for. Upon completion of the recharge event, SAWCo will be required to submit Form 2c *Report of Supplemental Water Recharge by a Person* to Watermaster for final review and accounting.

## ATTACHMENTS

1. SAWCo Recharge Application Dated May 16, 2018
2. 2015 San Antonio Canyon Watershed Sanitary Survey Update (2011 through 2015): <http://www.cbwm.org/FTP/Pending%20Applications/20180614%20SAWCo%20Recharge%20Application%20--%20ATTACHMENT%202.pdf>
3. June 7, 2018 Letter from WEI to Watermaster: *Analysis of Material Physical Injury for the San Antonio Water Company (SAWC) Recharge Application, Submitted to the Chino Basin Watermaster on May 16, 2018*



Form 2a - Application for Supplemental Water Recharge

Applicant Information and Recharge Request			
Person	San Antonio Water Company	Date Requested	05/16/2018
Contact (Individual)	Teri Layton	Date Approved	
Street Address	139 N. Euclid Avenue	Proposed Period of Time Covered by Recharge Application (mm/yyyy to mm/yyyy)	9/1/2018 to 9/1/2019
City	Upland		
State	CA		
Zip Code	91786	Requested Total Amount of Recharge Over the Application Period (AF)	2,000
Telephone	(909)982-4107	Approved Total Amount of Recharge Over the Application Period (AF)	
Fax	(909)920-3047		
Email	tlayton@sawaterco.com		

Source of Supply (check box and provide supporting information)	
<input type="checkbox"/>	State Water Project
<input type="checkbox"/>	Colorado River Aqueduct
<input checked="" 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 checked="" type="checkbox"/>	Surface Spreading	
	Recharge Basin Name(s)	Upland, Montclair Basins
	Expected Period of Recharge (mm/dd to mm/dd)	10/01 to 07/01
	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
<p>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? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span></p> <p>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)</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

BY: *Leri Layton*  
Applicant

May 16, 2018  
Date

To Be Completed by Watermaster
<p>Is the Person a Party to the Judgment that has:</p> <p>    Previously contributed to the implementation of the OBMP? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>    Is in compliance with their continuing covenants under the Peace Agreement? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>    (If answer to previous question is NO)</p> <p>    Paid or delivered to Watermaster "financial equivalent" consideration to offset the past performance prior to the OBMP implementation? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>    Promised continued future compliance with Watermaster Rules and Regulations? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>Date of Approval from Appropriative Pool (mm/dd/yyyy) _____</p> <p>Date of Approval from Overlying Non-Ag Pool (mm/dd/yyyy) _____</p> <p>Date of Approval from Overlying Ag Pool (mm/dd/yyyy) _____</p> <p>Hearing Date (if any) (mm/dd/yyyy) _____</p> <p>Date of Approval by Advisory Committee (mm/dd/yyyy) _____</p> <p>Date of Approval from Board (mm/dd/yyyy) _____</p> <p>Recharge Agreement Number _____</p>

2015 San Antonio Canyon Watershed Sanitary  
Survey Update (2011 through 2015):

<http://www.cbwm.org/FTP/Pending%20Applications/20180614%20SAWCo%20Recharge%20Application%20--%20ATTACHMENT%202.pdf>

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June 7, 2018

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

**Subject: Analysis of Material Physical Injury for the San Antonio Water Company (SAWC) Recharge Application, Submitted to the Chino Basin Watermaster on May 16, 2018**

Dear Mr. Kavounas:

Pursuant to your direction, Wildermuth Environmental, Inc. (WEI) conducted a material physical injury (MPI) analysis of the SAWC's May 16, 2018 recharge application. This MPI analysis was completed pursuant to the Watermaster Rules and Regulations and the Peace Agreement. Specifically, Article 10 of the Watermaster Rules and Regulations (paragraph 10.10) requires that:

“[...] Watermaster prepare a written summary and analysis (which will include an analysis of the potential for material physical injury) of the Application and provide the Parties with a copy of the written summary and advanced notice of the date of Watermaster's scheduled consideration and possible action on any pending Applications.”

Per the Peace Agreement (page 8), material physical injury is defined as:

“[...] material injury that is attributable to Recharge, Transfer, storage and recovery, management, movement or Production of water or implementation of the OBMP, including, but not limited to, degradation of water quality, liquefaction, land subsidence, increases in pump lift and adverse impacts associated with rising groundwater.”

The MPI analysis presented herein is based on our professional experience and judgment in the Chino Basin, including the collection and analysis of monitoring data; past evaluations of Chino Basin storage programs; groundwater modeling of various groundwater management alternatives in the Chino Basin, including the ongoing Storage Framework investigation; and prior MPI analyses.

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### **SAWC's Recharge Application of May 16, 2018**

The SAWC proposes to recharge up to 2,000 acre-feet (af) of San Antonio Creek water into the Chino Basin during the period of September 2018 through August 2019. The SAWC proposes to divert San Antonio Creek water through its existing non-potable system and subsequently discharge it to the concrete-lined reach of San Antonio Creek located downstream of the Pomona Valley Protective Association (PVPA) diversion facilities and upstream of the College Heights and Upland Basins. The SAWC proposes to recharge this water in the Upland Basin and Montclair Basins 1-4. Diversion into the Montclair Basins would occur through the existing San Antonio Creek diversion into Montclair Basin 1 and subsequently be routed to other basins in the Montclair Basins complex. Diversions into the Upland Basin would occur through the existing San Antonio Creek diversion into Upland Basin. The SAWC will need to coordinate their proposed diversions for recharge with the Inland Empire Utilities Agency (IEUA), the Chino Basin Water Conservation District, the City of Upland, and Watermaster to ensure that their water is diverted as proposed and is measured and accounted for, and to ensure that SAWC recharge activities do not interfere with other recharge operations and stormwater management.

The SAWC did not submit a recapture plan in its May 16, 2018 recharge application.

Watermaster classifies the water proposed by the SAWC as supplemental water; therefore, the proposed recharge will contribute to Watermaster's Peace II obligation to recharge 6,500 af per year (afy) of supplemental water in MZ1.

### **Analysis of May 16, 2018 Recharge Application Based on Prior MPI Analyses**

WEI determined the potential for MPI by evaluating the impacts of the proposed recharge on the following:

- Groundwater level impacts (liquefaction, land subsidence, and increases in pump lift)
- Balance of recharge and discharge in every area and subarea
- Total dissolved solids (TDS) and nitrate concentration impacts
- Water quality impacts on other pumpers

### **Groundwater Level Impacts (Liquefaction, Land Subsidence, and Increases in Pump Lift)**

The proposed project will produce a localized increase in groundwater levels in the vicinity of the recharge basins where the recharge occurs, followed by a return to the groundwater levels that would occur had the water not been recharged. The depth to groundwater beneath the basins proposed for recharge presently ranges from about 660 feet below ground surface (bgs) at the Upland Basin to about 560 ft bgs at the Montclair Basins. There will be no adverse liquefaction or land subsidence impacts from the groundwater level changes caused by the recharge and storage proposed by the SAWC.

There may be some diminishing of the current land subsidence in the recharge area if the stored water resulting from the proposed recharge is recovered outside of the Northwest Management Zone 1 subsidence management area (Northwest MZ1 area). Pumping lifts will be slightly reduced resulting in lower pumping costs and lower greenhouse gas emissions. No adverse impacts related to groundwater level changes will occur from the proposed recharge.

### **Balance of Recharge and Discharge in Every Area and Subarea**

The SAWC did not provide a recovery plan; thus, the location of future recovery remains unknown, and the balance of recharge and discharge cannot be assessed. Watermaster should conduct an MPI review when the SAWC submits a recovery plan. We recommend that the SAWC provides a recovery plan for the water they propose to recharge under the current application and past applications as soon as practical and no later than their next application to recharge supplemental water.

### **TDS and Nitrate Concentrations Impacts**

The 2004 Regional Water Quality Control Plan (Basin Plan) for the Santa Ana River Watershed has TDS and nitrate (expressed as nitrogen) concentration objectives in the Chino-North Groundwater Management Zone (GMZ) of 430 milligrams per liter (mg/L) and 5 mg/L, respectively. The proposed recharge will occur in the Chino-North GMZ. Pursuant to the Basin Plan, Watermaster and the IEUA are required to manage the recharge in Chino Basin spreading basins such that the five-year, volume-weighted average TDS and nitrate concentrations of the recycled water, imported water, supplemental native water, and new stormwater recharged across all recharge basins does not exceed the Basin Plan objectives.

The source of the supplemental water is San Antonio Creek water diverted upstream of San Antonio Dam. The SAWC provided a water quality analysis of a San Antonio Creek water sample taken on April 11, 2017. The SAWC did not provide more recent water quality data to supplement the May 2018 application. WEI supplemented the water quality data provided by the SAWC with the San Antonio Creek water quality data available from the City of Pomona, which indicate that the TDS and nitrate concentrations average about 224 mg/L and non-detect, respectively, for the period of 2012 through 2016.<sup>1</sup> These averages are consistent with the SAWC's April 11, 2017 water quality sample analysis, which had TDS and nitrate concentrations of 230 mg/L and non-detect, respectively. The table below shows the groundwater-quality objectives and current ambient concentrations for the Chino-North GMZ; the five-year volume-weighted concentrations of recycled water, imported water, and stormwater recharge in Chino Basin; and the TDS and nitrate concentration statistics for the proposed recharge water.

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<sup>1</sup> The 2017 Water Quality Report will not be available until July 2018.



**Comparison of TDS and Nitrate Concentrations in the Proposed Recharge Water to Applicable Regulatory Limits in the Basin Plan (all units in mg/L)**

Constituent  (1)	Chino-North GMZ Basin Plan Objective  (2)	Chino-North GMZ Ambient Concentration <sup>2</sup>  (3)	Assimilative Capacity  (4)	Total Five-Year, Volume-Weighted Concentration <sup>3</sup>  (5)	Proposed Recharge Water <sup>4</sup>		
					Min  (6)	Max  (7)	Average  (8)
TDS	420	350	70	345	200	260	224
Nitrate - N	5	10	-5	2.8	nd	nd	nd

There will be no adverse TDS or nitrate concentration impacts from the proposed recharge.

**Water Quality Impacts on Other Pumpers**

The water quality of the proposed recharge is comparable to State Water Project water, and the proposed recharge will improve the general water quality in the Basin. The proposed recharge of 2,000 af is not unusually large nor will it create a significant change in the direction and speed of groundwater flow in the area between the recharge basins and the wells owned by the City of Pomona and the Monte Vista Water District (MVWD). These entities will likely recover the proposed recharge. We reviewed exhibits 5-3 through 5-13 in the 2016 State of the Basin Report,<sup>5</sup> which characterize water quality in the Chino Basin, to qualitatively assess the impact of San Antonio Creek recharge as proposed in the May 16, 2018 recharge application, and we conclude that there will be no adverse water quality impacts from the proposed recharge.

**Conclusion and Recommendations**

There will be no MPI due to the SAWC's proposed recharge as described in its May 16, 2018 recharge application. A no-MPI determination cannot be made regarding the recovery of the recharged water until a recovery plan is provided to Watermaster for MPI review. The scope of the MPI analysis for the recovery plan should consider the recovery of all supplemental water recharged and stored by the SAWC.

Pursuant to Watermaster's Supplemental Water Recharge Procedures, the SAWC is required to submit a Form 2b "Request to Recharge Supplemental Water by a Person"

<sup>2</sup> Calculated from the Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1993 to 2012 (WEI, 2014).

<sup>3</sup> Average through December 2016.

<sup>4</sup> Based on the 2013 through 2017 City of Pomona Consumer Confidence Reports, covering water quality testing performed from 2012 through 2016. nd = non-detect.

<sup>5</sup> The 2016 State of the Basin Report is located here: [http://www.cbwm.org/rep\\_engineering.htm](http://www.cbwm.org/rep_engineering.htm).

prior to beginning a recharge event. This will allow for coordination with Watermaster and the IEUA to develop a Recharge Plan for proper execution, ensuring that the SAWC will receive credit for the recharged water.

Watermaster should require the SAWC to obtain and analyze water quality samples of San Antonio Creek water at 30-day intervals during the proposed diversion period if diversions are occurring. Table 1 (attached) contains the recommended water quality constituents. This water quality data is necessary to demonstrate compliance with the IEUA-Watermaster maximum benefit commitments related to recharge and to support future MPI analysis that may be required for future recharge applications. These data will be used for regulatory reporting, as required in the IEUA-Watermaster recharge permit, and for other groundwater management purposes.

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

Very truly yours,

**Wildermuth Environmental, Inc.**



Mark Wildermuth, PE  
*President, Principal Engineer*

Attachments: Table 1



**Table 1**  
**General Minerals Recommended to Be**  
**Sampled by the SAWC**

Chemical Parameter
Alkalinity in CaCO <sub>3</sub> units
Ammonia Nitrogen
Bicarbonate as HCO <sub>3</sub> <i>Calculated</i>
Boron Total ICAP
Calcium Total ICAP
Carbonate as CO <sub>3</sub> <i>Calculated</i>
Chloride
Flouride
Hydroxide as OH <i>Calculated</i>
Kjeldahl Nitrogen
Magnesium Total ICAP
Nitrate as Nitrogen by IC
Nitrate as NO <sub>3</sub> <i>Calculated</i>
Nitrite as Nitrogen by IC
Organic Nitrogen <i>Calculated</i>
PH (H3=past HT not compliant)
Potassium Total ICAP
Sodium Total ICAP
Specific Conductance, 25 C
Sulfate
Silica
Total Dissolved Solids (TDS)
Total Hardness as CaCO <sub>3</sub> by ICP <i>Calculated</i>
Total Organic Carbon
Turbidity



# **CHINO BASIN WATERMASTER**

I. CONSENT CALENDAR (App and Ag Pool)  
D. WATER TRANSACTIONS

I. BUSINESS ITEMS – ROUTINE (Non-Ag Pool)  
D. WATER TRANSACTIONS



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Summary and Analysis of Application for Water Transaction  
(Consent Calendar Item I.D.1)

### SUMMARY

Issue: Notice of Sale or Transfer – The transfer of 80,000 acre-feet of water from West End Consolidated Water Company to Golden State Water Company. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares.

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

Financial Impact: None

### Future Consideration

Appropriative Pool – June 14, 2018: Advice and assistance.  
Non-Agricultural Pool – June 14, 2018: Advice and assistance.  
Agricultural Pool – June 15, 2018: Advice and assistance.  
Advisory Committee – July 26, 2018: Advice and assistance.  
Watermaster Board – July 26, 2018: Approval (within Watermaster Duties and Powers).

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – July 26, 2018:  
Watermaster Board – July 26, 2018:

## BACKGROUND

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

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

The date of this application is May 10, 2018. Notice of the transaction was transmitted electronically and mailed on June 8, 2018, along with the materials submitted by the requestors.

## DISCUSSION

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

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

The 85/15 rule does not apply for this water transaction because Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares.

## ATTACHMENTS

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

Consolidated Forms 3, 4 & 5

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

FISCAL YEAR 2017 - 2018

DATE REQUESTED: May 10, 2018

AMOUNT REQUESTED: 80 Acre-Feet

<p><b>TRANSFER FROM (SELLER / TRANSFEROR):</b></p> <p><u>West End Consolidated Water Company</u> Name of Party</p> <p><u>1370 Benson Avenue</u> Street Address</p> <p><u>Upland</u> <u>CA</u> <u>91786</u> City State Zip Code</p> <p><u>(909) 291-2931</u> Telephone</p> <p>Facsimile</p>	<p><b>TRANSFER TO (BUYER / TRANSFEREE):</b></p> <p><u>Golden State Water Company</u> Name of Party</p> <p><u>630 E. Foothill Blvd</u> Street Address</p> <p><u>San Dimas</u> <u>CA</u> <u>91733</u> City State Zip Code</p> <p><u>(909) 394-3600</u> Telephone</p> <p>Facsimile</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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 Transfer undelivered entitlement

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

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

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

<b>IF WATER IS TO BE TRANSFERRED FROM STORAGE:</b>	
Projected Rate of Recapture _____	Projected Duration of Recapture _____
<b>METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):</b>	
_____	
<b>PLACE OF USE OF WATER TO BE RECAPTURED:</b>	
_____	
<b>LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES):</b>	
_____	

**WATER QUALITY AND WATER LEVELS**

Are the Parties aware of any water quality issues that exist in the area?    Yes     No   
If yes, please explain:

\_\_\_\_\_

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

\_\_\_\_\_

**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

Rosemary Hoeming, GENERAL MANAGER  
Seller / Transferor Representative Name (Printed)

  
Digitally signed by pscanlon  
DN: cn=pscanlon  
Date: 2018.05.18 11:48:40  
-0700'

Buyer / Transferee Representative Signature

Patrick Scanlon/ VP-Operations  
Buyer / Transferee Representative Name (Printed)

egtang@gswater.com  
Digitally signed by  
egtang@gswater.com  
DN: cn=egtang@gswater.com  
Date: 2018.05.23 16:26:07 -0700'

Buyer/Transferee Representative Signature

Eva Tang/ Sr. VP-Finance & CFO

Buyer/Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

DATE OF WATERMASTER NOTICE: \_\_\_\_\_

DATE OF APPROVAL FROM APPROPRIATIVE POOL: \_\_\_\_\_

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM AGRICULTURAL POOL: \_\_\_\_\_

HEARING DATE, IF ANY: \_\_\_\_\_

DATE OF ADVISORY COMMITTEE APPROVAL: \_\_\_\_\_

DATE OF BOARD APPROVAL: \_\_\_\_\_

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**CHINO BASIN WATERMASTER**

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

June 8, 2018

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

**TRANSFER OF WATER**

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **May 10, 2018**

Date of this notice: **June 8, 2018**

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

Notice of Sale or Transfer – The transfer of 80.000 acre-feet of water from West End Consolidated Water Company by Golden State Water Company. This transfer is made from West End Consolidated Water Company’s Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. Golden State Water Company is utilizing this transaction to produce its West End Consolidated Water Company shares.

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

Appropriative Pool:	June 14, 2018
Non-Agricultural Pool:	June 14, 2018
Agricultural Pool:	June 15, 2018

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, as *Contests* must be submitted a minimum of fourteen (14) days prior to the Advisory Committee’s consideration of an *Application*, 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

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# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Summary and Analysis of Application for Water Transaction  
(Consent Calendar Item I.D.2)

### SUMMARY

Issue: Notice of Sale or Transfer – The transfer of 853.677 acre-feet of water from West End Consolidated Water Company to City of Upland. This transfer is made from West End Consolidated Water Company's Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

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

Financial Impact: None

### Future Consideration

Appropriative Pool – June 14, 2018: Advice and assistance.  
Non-Agricultural Pool – June 14, 2018: Advice and assistance.  
Agricultural Pool – June 15, 2018: Advice and assistance.  
Advisory Committee – July 26, 2018: Advice and assistance.  
Watermaster Board – July 26, 2018: Approval (within Watermaster Duties and Powers).

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – July 26, 2018:  
Watermaster Board – July 26, 2018:

## BACKGROUND

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

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

The date of this application is May 31, 2018. Notice of the transaction was transmitted electronically and mailed on June 8, 2018, along with the materials submitted by the requestors.

## DISCUSSION

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

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

The 85/15 rule does not apply for this water transaction because the City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

## ATTACHMENTS

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

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

FISCAL YEAR 2017 - 2018

DATE REQUESTED: 5/31/18

AMOUNT REQUESTED: 853.677 Acre-Feet

<p><b>TRANSFER FROM (SELLER / TRANSFEROR):</b></p> <p><u>West End Consolidated Water Company</u> Name of Party</p> <p><u>1370 N. Benson Avenue</u> Street Address</p> <p><u>Upland</u>                      <u>CA.</u>                      <u>91786</u> City                                      State                      Zip Code</p> <p><u>(909) 291-2931</u> Telephone</p> <p>_____ Facsimile</p>	<p><b>TRANSFER TO (BUYER / TRANSFEREE):</b></p> <p><u>City of Upland</u> Name of Party</p> <p><u>460 N. Euclid Avenue</u> Street Address</p> <p><u>Upland</u>                      <u>CA.</u>                      <u>91786</u> City                                      State                      Zip Code</p> <p><u>(909) 931-4102</u> Telephone</p> <p>_____ Facsimile</p>
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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 Transfer undelivered entitlement

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

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

**IS THE 85/15 RULE EXPECTED TO APPLY?** (If yes, all answers below must be "yes.")    **Yes**     **No**

Is the Buyer an 85/15 Party?    **Yes**     **No**

Is the purpose of the transfer to meet a current demand over and above production right?    **Yes**     **No**

Is the water being placed into the Buyer's Annual Account?    **Yes**     **No**

**IF WATER IS TO BE TRANSFERRED FROM STORAGE:**

700 -1,100 gpm    \_\_\_\_\_    \_\_\_\_\_

Projected Rate of Recapture    Projected Duration of Recapture

**METHOD OF RECAPTURE (e.g. pumping, exchange, etc.):**

Pumping    \_\_\_\_\_

**PLACE OF USE OF WATER TO BE RECAPTURED:**

Regular production wells    \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

Nitrate ~ 56 ppm & DBCP ~ 0.35 ppb    \_\_\_\_\_

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

Static Water Level 555 to 610 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

Rosemary Hoerning, General Manager  
Seller / Transferor Representative Name (Printed)

  
\_\_\_\_\_  
Buyer / Transferee Representative Signature

Bill R. Manis, City Manager  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

DATE OF WATERMASTER NOTICE: \_\_\_\_\_

DATE OF APPROVAL FROM APPROPRIATIVE POOL: \_\_\_\_\_

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM AGRICULTURAL POOL: \_\_\_\_\_

HEARING DATE, IF ANY: \_\_\_\_\_

DATE OF ADVISORY COMMITTEE APPROVAL: \_\_\_\_\_

DATE OF BOARD APPROVAL: \_\_\_\_\_

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***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

June 8, 2018

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

**TRANSFER OF WATER**

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **May 31, 2018**

Date of this notice: **June 8, 2018**

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

Notice of Sale or Transfer – The transfer of 853.677 acre-feet of water from West End Consolidated Water Company by City of Upland. This transfer is made from West End Consolidated Water Company’s Annual Production Right/Operating Safe Yield first, then any additional from Excess Carryover. The City of Upland is utilizing this transaction to produce its West End Consolidated Water Company shares.

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

Appropriative Pool:	June 14, 2018
Non-Agricultural Pool:	June 14, 2018
Agricultural Pool:	June 15, 2018

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, as *Contests* must be submitted a minimum of fourteen (14) days prior to the Advisory Committee’s consideration of an *Application*, parties to the Judgment may file *Contests* to the *Application* with Watermaster *within seven calendar days* of when the last pool committee considers it. Any *Contest* must be in writing and state the basis of the *Contest*.

Watermaster address:

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

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

# CHINO BASIN WATERMASTER

## II. BUSINESS ITEMS

A. TASK ORDER NO. 2 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS TECHNICAL SUPPORT FOR ANALYSIS OF THE UPPER SANTA ANA RIVER GROUNDWATER INTEGRATED MODEL



# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Task Order No. 2 Under Master Agreement for Collaborative Projects Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model (Business item II.A.)

### SUMMARY

Issue: Under Task Order No. 2, Watermaster and IEUA will cost-share technical assistance from WEI regarding the development of the Upper Santa Ana River Integrated Model.

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

Financial Impact: For Fiscal Year 2018/19 the maximum estimated cost for Watermaster is \$19,960 which was already included in the 2018/2019 Engineering Services Budget (Account No. 6906.15). Agreement to the Task Order does not result in additional expense.

### Future Consideration

Appropriative Pool – June 14, 2018: Recommend Advisory Committee to approve  
Non-Agricultural Pool – June 14, 2018: Recommend Advisory Committee to approve  
Agricultural Pool – June 15, 2018: Recommend Advisory Committee to approve  
Advisory Committee – June 21, 2018: Approval  
Watermaster Board – June 28 2018: Approval (Upon Advisory Committee recommendation)

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### ACTIONS:

Appropriative Pool – June 14, 2018  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

The Integrated Model is an effort led by San Bernardino Valley Municipal Water District, IEUA, Western Municipal Water District, Orange County Water District and Riverside Public Utilities in partnership with the US Department of Fish and Wildlife and the California Department of Fish and Wildlife. The Integrated Model will analyze the groundwater and surface water interactions of five groundwater basins in the Upper Santa Ana River Watershed. The results of this modeling effort will inform some technical aspects of the Upper Santa Ana River Habitat Conservation Plan (HCP).

For the benefit of IEUA and Watermaster, IEUA will contract the services of Wildermuth Environmental Inc. ("WEI") to provide technical advice and documentation, review modeling and provide suggestions and recommendations on the portions of the Integrated Model pertaining to the Chino Basin.

## DISCUSSION

At the direction of Watermaster or IEUA staff, WEI will attend and provide written comments and reports on all technical meetings and workshops relating to the Integrated Model, provide written comments on all reports produced by the consultants preparing the Integrated Model and any other additional services relating to the Integrated Model.

On September 28, 2017 Watermaster and IEUA entered into a Master Agreement for Collaborative Projects. The proposed task order (Attachment 1) under the Master Agreement includes the scope of work, schedule, estimated expenses, and deliverables. The anticipated expense, \$39,920, will be cost shared with IEUA; Watermaster's share of the total is \$19,960 which has been included in the Engineering Services Budget for FY 2018/19.

## ATTACHMENTS

1. Task Order No. 2 Under Master Agreement for Collaborative Projects Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model

MASTER AGREEMENT BETWEEN  
CHINO BASIN WATERMASTER AND INLAND EMPIRE UTILITIES AGENCY  
REGARDING THE MANAGEMENT OF COLLABORATIVE PROJECTS

TASK ORDER NO. 2

Technical Support for Analysis of the Upper Santa Ana River Groundwater Integrated Model

This Task Order is made and entered into as of the \_\_\_\_ day of June, 2018 by and between the Chino Basin Watermaster, hereinafter referred to as "Watermaster," and the Inland Empire Utilities Agency, hereinafter referred to as "IEUA" (each a "Party" and collectively, the "Parties").

In consideration of the mutual promises, covenants, and conditions as addressed in the Master Agreement Between Chino Basin Watermaster and Inland Empire Utilities Agency Regarding the Management of Collaborative Projects dated September 28, 2017 ("Master Agreement") and as specifically hereinafter set forth, the Parties do hereby agree as follows:

1. PURPOSE

The purpose of this Task Order is to govern the technical consulting and assistance in supervising the development of the Upper Santa Ana River Integrated Model ("Integrated Model").

The Integrated Model is an effort led by San Bernardino Valley Municipal Water District, IEUA, Western Municipal Water District, Orange County Water District and Riverside Public Utilities in partnership with the US Department of Fish and Wildlife and the California Department of Fish and Wildlife. The Integrated Model will analyze the groundwater and surface water interactions of five groundwater basins in the Upper Santa Ana River Watershed.

For the benefit of IEUA and Watermaster, IEUA will contract the services of Wildermuth Environmental Inc. ("WEI") to provide technical advice and documentation, review modeling and provide suggestions and recommendations on the portions of the Integrated Model pertaining to the Chino Basin.

2. SCOPE

At the direction of Watermaster or IEUA staff, WEI will attend and provide written comments and reports on all technical meetings and workshops relating to the Integrated Model, provide written comments on all reports produced by the consultants preparing the Integrated Model and any other additional services relating to the Integrated Model.

When "additional services" are required, IEUA will request WEI to prepare a description of the scope of the work, the resulting deliverable and the estimated costs to submit to Watermaster and IEUA. IEUA will not authorize WEI to commence such "additional services" until both Watermaster and IEUA have approved the proposed work as provided in Section 1.2 of the Master Agreement.

3. IEUA RESPONSIBILITIES

IEUA agrees to provide project management and contract administration services that include, but are not limited to:

- Engagement and management of WEI as needed;
- Coordination and communication with the administrators and other participants of the Integrated Model effort;
- Payment of WEI invoices

IEUA will supply all personnel and equipment required to perform the assigned services.

4. WATERMASTER RESPONSIBILITIES

Watermaster agrees that it and its employees and consultants will cooperate with IEUA and WEI in the performance of services under this Task Order and will provide any necessary documentation and information in Watermaster's possession.

5. BUDGET AND COST ALLOCATION

Unless the scope of work is changed and an increase is authorized by the Parties, the total projected cost for the activities to be undertaken pursuant to this Task Order is thirty nine thousand nine hundred and twenty dollars (\$39,920) ("Budget"). The Parties agree that the Budget is shared equally, as shown in the table below. The Parties shall budget, pursuant to their own budget mechanism, such that each is able to expend the amounts shown in the Fiscal Years shown in the table below, or as amended to this Task Order.

Entity	Fiscal Year 2018/19
Watermaster	\$19,960
IEUA	\$19,960
<b>Total</b>	<b>\$39,920</b>

6. TOTAL BUDGETED COST

The Parties agree to pay their respective portion of the total costs. The Parties shall not be required to pay more than \$39,920 ("Total Budgeted Cost").

7. MAXIMUM COSTS TO WATERMASTER

The costs to be required of Watermaster under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$19,960.



8. MAXIMUM COSTS TO IEUA

The costs to be required of IEUA under this Agreement shall not exceed its share of the Total Budgeted Cost, as shown in Section 5 above, or \$19,960.

9. TERM

Work to be undertaken pursuant to this Task Order shall be initiated upon the Effective Date, as described in Section 11, below. The terms of this Task Order shall remain effective until IEUA's receipt of Watermaster's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

Watermaster's reimbursement of IEUA for work performed under this Task Order shall be as provided in Article 3 of the September 2017 Master Agreement.

11. EFFECTIVE DATE

This Task Order No. 2 will become effective upon execution by both Parties.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the day and year and at the place first above written.

CHINO BASIN WATERMASTER

By \_\_\_\_\_

PETER KAVOUNAS, P.E.  
General Manager

INLAND EMPIRE UTILITIES AGENCY

By \_\_\_\_\_

HALLA RAZAK  
General Manager



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# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

### **B. 2017 ANNUAL REPORT OF THE PRADO BASIN HABITAT SUSTAINABILITY COMMITTEE**



# CHINO BASIN WATERMASTER

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Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: 2017 Annual Report of the Prado Basin Habitat Sustainability Committee  
(Business Item II.B.)

### SUMMARY

Issue: Pursuant to the monitoring and mitigation requirements of the Peace II Subsequent Environmental Impact Report, the Prado Basin Habitat Sustainability Committee must prepare an Annual Report. The Committee presents its 2<sup>nd</sup> Annual Report for Water Year 2017.

Recommendation: Offer advice and assistance.

Financial Impact: No Impact.

### Future Consideration

Appropriative Pool: June 14, 2018: Advice and assistance  
Non-Agricultural Pool: June 14, 2018: Advice and assistance  
Agricultural Pool: June 15, 2018: Advice and assistance  
Advisory Committee: June 21, 2018: Recommend Board to receive and file  
Watermaster Board: June 28, 2018: Receive and file

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

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

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

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

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

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

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

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

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

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

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

Pursuant to these monitoring and mitigation requirements of the Peace II SEIR, the Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (Watermaster) convened the Prado Basin Habitat Sustainability Committee (PBHSC) to develop the Prado Basin Habitat Sustainability Program (PBHSP). The PBHSP is an adaptive management program to ensure that the riparian habitat in the Prado Basin will not incur unforeseeable significant adverse effects due to implementation of the Peace II Agreement.

The draft Annual Report for Water Year 2017 was published and distributed on April 25, 2018. Watermaster and IEUA presented the draft report to members of the PBHSC at a meeting on May 9, 2018. A one-month comment period was provided and some agencies provided feedback, including the Orange County Water District, U.S. Fish and Wildlife Service, and the California Department of Fish and Wildlife.

## DISCUSSION

The Annual Report for water year (WY) 2017 is the second annual report prepared by the Watermaster and IEUA for the PBHSC. It documents the collection, analysis, and interpretations of the data and information generated by the PSHSP through September 30, 2017 and is organized into the following sections:

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

**Section 2 – Monitoring, Data Collection, and Methods.** This section describes the collection of historical information and recent monitoring data, and the groundwater-modeling activities performed during WY 2017 for the PBHSP.

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

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

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

**The Report’s Main Findings and Recommendations:**

Depth-to-groundwater is relatively shallow across most of Prado Basin. The riparian vegetation typically overlies areas where the depth-to-groundwater is less than 15 feet-bgs, which suggests that shallow groundwater is an available source water for consumptive use by the vegetation.

The assessment of the riparian habitat in the Prado Basin, through the analysis of historical air photos and remote-sensing data shows that the riparian habitat has increased in its extent since the 1960s, and that there is no indication of a long-term trend in degradation of the extent or quality of riparian habitat along Chino Creek, Mill Creek, or the SAR that is contemporaneous with the implementation of the Peace II Agreement.

With two exceptions, groundwater levels underlying the riparian habitat in Prado Basin have remained stable since 1961 and appear to have been unaffected by the implementation of the Peace Agreements starting in 2000. The two exceptions are areas along the northern reaches of Mill Creek and the SAR, where groundwater levels have fluctuated by up to +/- 10 feet—apparently in response decreased groundwater production from the southern Chino Basin in the 1990s and increased production after about 2000 with the commencement of CDA pumping. The quality of the riparian habitat in these areas has shown no long-term trend of degradation since the NDVI estimates became available in the early 1980s and may have improved slightly during the Peace Agreements period.

Findings suggests the availability of source waters for consumptive use by the riparian vegetation other than precipitation and runoff, such as baseflow discharge and shallow groundwater.

Discharge in the SAR and its tributaries to Prado Dam has declined significantly since 2005. The declining trend in discharge is attributed to dry climatic conditions from 1999-2017 and the decreases in POTW effluent discharge because of increased recycled-water reuse and decreased wastewater discharge due to the economic recession that began in 2008 and the implementation of emergency water-conservation measures during the recent drought. The quality of riparian habitat in the 12 defined areas of the Prado Basin shows no long-term trend of degradation that coincides with the decline in stream discharge, and may have improved slightly during the implementation of the Peace Agreements along the northern reaches of Chino Creek, Mill Creek, and the SAR.

There are other factors that have had documented adverse impacts on the riparian habitat, including wildfire and pests, particularly, the PSHB beetle which has been identified as threat to cause adverse impacts to trees in the Prado Basin. The USBR site-specific vegetation surveys performed in 2016 noted presence of the PSHB at about 80 percent of the sites surveyed, and the OCWD and others have indicated that the PSHB is widespread through the Prado Basin, and has caused tree deaths in local patches significantly reduced tree canopy cover throughout the region.

The annual report includes a recommended scope of work for monitoring and reporting for FY 2018/19 with an estimated cost of \$227,000. Watermaster and IEUA have approved the scope-of-work and budget recommendations and are cost-sharing partners for this program. The Orange County Water District will also contribute \$10,000 for the acquisition of a high-resolution air photo of the Prado Basin in 2018.

At this time, the PBHSC is not recommending any changes in the Adaptive Management Plan or any mitigation measures for Hydraulic Control or Basin Re-Operation at this time.

#### ATTACHMENTS

1. 2017 Annual Report of the Prado Basin Habitat Sustainability Committee

(Click on link below to access):

<http://www.cbwm.org/FTP/Special%20Committees/Prado%20Basin%20Habitat%20Sustainability%20Program/Annual%20Reports/2017/Final/>

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2017 Annual Report of the Prado Basin  
Habitat Sustainability Committee:

<http://www.cbwm.org/FTP/Special%20Committees/Prado%20Basin%20Habitat%20Sustainability%20Program/Annual%20Reports/2017/Final/>

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# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

### **C. EXHIBIT "G" TRANSFER RATE AMENDMENT**



# CHINO BASIN WATERMASTER

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

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Exhibit "G" Transfer Rate Amendment (Business Item II.C.)

### SUMMARY

Issue: Section 9(d) of Exhibit "G" to the Restated Judgment, the Overlying (Non-Agricultural) Pool Pooling Plan, defines the price at which Watermaster will purchase water from the Non-Agricultural Pool on an annual basis relative to "...the then-prevailing "MWD Replenishment Rate"...". Since the MWD rate structure has changed and there is no Replenishment Rate, a new transfer rate needs to be identified.

Recommendation: Offer advice and assistance on amending Section 9(d) of Exhibit "G" regarding the transfer rate.

Financial Impact: There is no financial impact as a result of this recommendation.

### Future Consideration

Appropriative Pool – June 14, 2018: Advice and Assistance  
Non-Agricultural Pool – June 14, 2018: Advice and Assistance  
Agricultural Pool – June 15, 2018: Advice and Assistance  
Advisory Committee – June 21, 2018: Approval  
Watermaster Board – June 28, 2018: Approval [Advisory Committee Approval Required]

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### ACTIONS:

Appropriative Pool – June 14, 2018:  
Non-Agricultural Pool – June 14, 2018:  
Agricultural Pool – June 15, 2018:  
Advisory Committee – June 21, 2018:  
Watermaster Board – June 28, 2018:

## BACKGROUND

Since the unexpected MWD rate structure change eliminated the Replenishment Rate, the transfer rate identified in Exhibit "G" has become the subject of annual negotiations between the Appropriative and Non-Agricultural Pools. The negotiations, when successful, have resulted in a Court filing requesting that the Court allow a deviation from the Judgment and the use of the negotiated rate for one year. This has happened on several occasions in the last few years.

During Fiscal Year 2017/18 the two Pools were unable to reach agreement on a transfer rate and the process did not function as intended. An agreed upon transfer rate is essential to facilitate the Exhibit "G" process and allow it to function predictably and smoothly each year.

## DISCUSSION

The language in Attachment 1 was developed through several discussions among a number of Non-Agricultural and Appropriative parties.

While Section 9(d) of Exhibit "G" to the Restated Judgment provides that available water will be purchased at "...92% of the then-prevailing "MWD Replenishment Rate"..." there is no requirement to develop a new transfer rate using any formula. In light of future uncertainty in rate structures, available supplies, and many other factors, using a formula would be an invitation to future renegotiations and uncertainty. The potential language in Attachment 1 would allow Non-Agricultural Pool parties, collectively, to annually set the asking price for any transfers, without using a formula and could lead to a more lasting solution to the need for a rate for these transfers.

Since no party is required to either buy or sell water through Exhibit "G" annual transfers, allowing the members of the Non-Agricultural Pool to determine their own asking price would be an incentive to be reasonable and set a transfer rate that reflects the market and will induce Appropriators to purchase water.

Ultimately a functional Exhibit "G" transfer process preserves a process for Non-Agricultural Pool parties whose production is less than their water rights to transfer their surplus water and make it available to Appropriators.

An amendment to the Exhibit "G" transfer rate would require Court approval. The Pools are being asked to offer their advice and assistance on developing language, such as that in Attachment 1, that would be acceptable to all parties and could be filed with the Court for its approval.

## ATTACHMENTS

1. Potential Modification to Exhibit "G" Transfer Rate language

## Potential Modification to Exhibit "G" Transfer Rate language

(a) By December 31 of each year, the members of the Overlying (Non-Agricultural) Pool shall notify Watermaster of the amount of water each member shall make available in their individual discretion for purchase by the Appropriators, **and the price at which all the water made available is being offered to Appropriative Pool parties.** By January 31 of each year, Watermaster shall provide a Notice of Availability of each Appropriator's pro-rata share of such water;

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

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

(d) Commensurate with the cumulative commitments by members of the Appropriative Pool pursuant to (b) and (c) above, Watermaster will purchase the surplus water made available by the Overlying (Non-Agricultural) Pool water on behalf of the members of the Appropriative Pool on an annual basis **at the price at which the water is being offered ~~92% of the then-prevailing "MWD Replenishment Rate"~~** and each member of the Appropriative Pool shall complete its payment for its determined share of water made available by June 30 of each year.

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# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

### **D. PEACE AGREEMENT PARAGRAPH 5.3(e) INTERPRETATION**





# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Peace Agreement Paragraph 5.3(e) Interpretation (Business Item II.D.)

### SUMMARY

Issue: The practical meaning of Peace Agreement Paragraph 5.3(e) needs to be clarified by the parties for Watermaster to enforce.

Recommendation: Offer advice and assistance on the interpretation of the language

Financial Impact: There is no financial impact as a result of the recommendation.

### Future Consideration

Appropriative Pool – June 14, 2018: Advice and Assistance

Non-Agricultural Pool – June 14, 2018: Advice and Assistance

Agricultural Pool – June 15, 2018: Advice and Assistance

Advisory Committee – June 21, 2018: Approve

Watermaster Board – June 28, 2018: Adopt [Advisory Committee Approval Required]

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### ACTIONS:

Appropriative Pool – June 14, 2018:

Non-Agricultural Pool – June 14, 2018:

Agricultural Pool – June 15, 2018:

Advisory Committee – June 21, 2018:

Watermaster Board – June 28, 2018:

## BACKGROUND

Peace Agreement Paragraph 5.3(e) states:

*Watermaster shall approve the Transfer or lease of the quantified Production rights of Non-Agricultural Producers within the Non-Agricultural Pool subject to the provisions of paragraph (b) above. The right to Transfer within the pool includes the right to lease water to other members of the Non-Agricultural Overlying Pool. In addition, the parties to the Judgment with rights within the Non-Agricultural Pool shall have the additional right to Transfer their rights to Watermaster for the purposes of Replenishment for a Desalter or for a Storage and Recovery Program.*

The practical application of the last sentence needs to be clarified for Watermaster to be able to administer this term of the Peace Agreement.

During 2015 the City of Ontario proposed an agreement with Watermaster that, if approved, would have provided clarity on the application of the language in question. The item was set aside at the time, though Watermaster provided background information to assist the parties in coming to a conclusion. The May 14, 2015 staff report is shown as Attachment 1 to this staff letter.

## DISCUSSION

The language of Peace Agreement 5.3(e) "...parties to the Judgment with rights within the Non-Agricultural Pool shall have the additional right to Transfer their rights to Watermaster for the purposes of Replenishment for a Desalter..." makes clear that a transfer from a Non-Agricultural Pool party to Watermaster to offset Desalter replenishment obligation is permissible. As, other than the Non-Agricultural Pool "haircut", Watermaster has not yet assessed for Desalter Replenishment Obligations, what remains to be clarified is which parties' Desalter replenishment obligations could be offset by such transfers.

As discussed in the May 14, 2015 Watermaster staff report, a permissible interpretation is that a Non-Agricultural Pool party could transfer water to Watermaster to meet the Desalter replenishment obligation of a specific Appropriative Pool party.

Watermaster is seeking the advice and assistance of the parties and the Advisory Committee in making correct interpretations of such transfers. Once clarification is received Watermaster will develop any necessary process and forms to facilitate the transactions, and if necessary, will adopt an appropriate clarification in its Rules and Regulations.

## ATTACHMENTS

1. May 14, 2015 Staff Report Titled "City of Ontario Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment" (including 2 attachments)



## CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
 General Manager

### STAFF REPORT

DATE: May 14, 2015  
 TO: Pool Committees  
 SUBJECT: City of Ontario Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment

#### SUMMARY

Issue: The City of Ontario holds both appropriative and overlying water rights and is a member of both the Appropriative and Overlying (Non-Agricultural) Pools. It has indicated that a prospective purchase of water within the Overlying (Non-Agricultural) Pool is dependent upon learning whether it may dedicate a portion of water acquired to off-set a future Desalter replenishment obligation. It anticipates a future obligation to offset or replenish Desalter pumping and seeks confirmation, through an Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment, that it may satisfy its obligation through dedication of Safe Yield arising under its overlying water rights.

Recommendation: Review and recommend Board action as to the proposed Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment with the City of Ontario.

Financial Impact: None

#### Future Consideration

Non-Agricultural Pool: May 14, 2015; Review and recommend

Agricultural Pool: May 14, 2015; Review and recommend

Appropriative Pool: May 14, 2015; Review and recommend

Advisory Committee: May 21, 2015; Consideration of action

Watermaster Board: May 28, 2015; Consideration of action [Advisory Committee approval required]

#### ACTIONS:

May 14, 2015 -Appropriative Pool -

May 14, 2015 - Non-Agricultural Pool -

May 14, 2015 - Agricultural Pool –

May 21, 2015 -Advisory Committee –

May 28, 2015 – Watermaster Board –

## BACKGROUND

The City of Ontario ("City") is a party to the Judgment and the owner of appropriative and overlying rights, and is a member of the Appropriative and Overlying (Non-Agricultural) Pools. The City has a prospective replenishment obligation attributable to the Desalters as a member of the Appropriative Pool. The City has indicated that it may wish to offset its Desalter Replenishment obligation through contribution of Safe Yield under its overlying water rights. The City has prepared an Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment ("Agreement") to confirm its ability to offset its Desalter Replenishment obligation in this manner.

## DISCUSSION

### The City

The City is an original party to the 1978 Judgment, pursuant to which it was made a member of the Appropriative Pool, with a 20.742% share of the Operating Safe Yield. The City intervened into the Judgment as an Overlying (Non-Agricultural) Party in September 2008. As a result of its original purchase subsequent transfers, as of May 1, 2015, it has 2,627.807 acre-feet of Safe Yield in the Overlying (Non-Agricultural) Pool ("Non-Ag Pool"), and has requested approval of the permanent transfer of an additional 282.981 acre-feet of Safe Yield in the Non-Ag Pool to be effective in FY15-16.

### Desalter Replenishment

#### A. The Development of the Desalter Replenishment Obligation

##### 1. The Peace Agreement

The obligation for Desalter Replenishment initially arises out of paragraph 7.5 of the Peace Agreement, which provides for replenishment for the Desalters from specified sources in a designated order of priority. Specifically, paragraph 7.5 provides for replenishment first from a Watermaster Desalter Replenishment account composed of 25,000 AF of water abandoned to the Basin by Kaiser<sup>1</sup> and other water previously dedicated for the same purpose, then New Yield of the Basin, Safe Yield of the Basin, and finally "Additional Replenishment Water purchased by Watermaster<sup>2</sup>, the costs of which shall be levied as an Assessment by Watermaster." (Peace Agreement, ¶ 7.5.)

##### 2. First Amendment to Peace Agreement

In 2004, based on changes implemented through the Regional Water Quality Control Board's Basin Plan Amendment for the Chino Basin and the resultant lack of development of previously anticipated "Salt Credits", some Parties to the Peace Agreement contended that they should be relieved of their obligation to provide a share of storm flow recharge New Yield for Desalter Replenishment (First Amendment to Peace Agreement, Recital B.) As a result, the Stormwater component of New Yield was dedicated to the members of the Appropriative Pool according to their percentages of Safe Yield, and was excepted from Desalter Replenishment under Peace Agreement § 7.5(b). (First Amendment to Peace Agreement, ¶ 2.)

---

<sup>1</sup> This water was abandoned by Kaiser for this purpose pursuant to what Peace Agreement Section 7.2(a)(ii) refers to as "an agreement with the Watermaster, all Pools of Producers from the Chino Basin, Kaiser Ventures, Inc., formerly known as Kaiser Resources, Inc. (Kaiser) and the California Regional Water Quality Control Board, Santa Ana Region (RWQCB), regarding provision of certain water with which to satisfy the Replenishment obligation for operating the Desalter."

<sup>2</sup> Peace Agreement Section 5.3(e), describing the newly created mechanism through which members of the Overlying (Non-Agricultural) Pool could transfer water held in storage or pursuant to their annual production rights, provides that "the parties to the Judgment with rights within the Non-Agricultural Pool shall have the additional right to Transfer their rights to Watermaster for the purposes of Replenishment for a Desalter..."

### 3. Peace II Agreement

The Peace II Agreement, which contemplated expansion of the Desalters, further expressed the hierarchy through which water could be dedicated to offset Desalter Production, designating that the Section 6.2 controls the process. (Peace II, § 6.1.) Section 6.2 of the Peace II Agreement ("Peace II Desalter Production Offsets") provides that the Replenishment obligation attributable to Desalter production in any year will be determined by Watermaster by first applying a credit against the total quantity of Desalter Production from:

- (i) the Kaiser account (Peace Agreement Section 7.5(a).);
- (ii) dedication of water from the Overlying (Non-Agricultural) Pool Storage Account;
- (iii) New Yield (other than Stormwater (Peace Agreement Section 7.5(b)));
- (iv) any declared losses from storage in excess of actual losses enforced as a "Leave Behind";
- (v) Safe Yield that may be contributed by the parties (Peace Agreement Section 7.5(c));
- (vi) Any Production of groundwater attributable to the controlled overdraft authorized pursuant to amended Exhibit I to the Judgment.

To the extent available credits applied pursuant to the hierarchy above are insufficient to fully offset the quantity of groundwater production attributable to the Desalters, Peace II Section 6.2(b) directs Watermaster to "use water or revenue obtained by levying...assessments among the members of the Overlying (Non-Agricultural) Pool and the Appropriative Pool to meet any remaining replenishment obligation." (Peace II, § 6.2(b).)

Section 6.2(b) provides Watermaster shall first levy the Special OBMP Assessment against the Overlying (Non-Agricultural) Pool described in Exhibit "G" to the Judgment<sup>3</sup>, with water obtained through the assessment being dedicated by Watermaster to further off-set replenishment of the Desalters. (Peace II Agreement, § 6.2(b)(i).)

If, after application of the credits and water obtained pursuant to the Overlying (Non-Agricultural) Pool Special OBMP Assessment described above, a replenishment obligation remains, Watermaster is to levy a Replenishment Assessment against the Appropriative Pool, to be assessed pro-rata based on each Producer's combined total share of Operating Safe Yield and the previous year's actual production<sup>4</sup>, excluding Desalter Production.

### 4. Resolution 2010-04

In October 2010, after approval by the Pools and Advisory Committee, the Watermaster Board adopted Resolution 2010-04 in order to confirm the factual and legal assumptions of the Parties as they initiated the final required phase of the Desalter project. The resolution contains commitments by Watermaster and described commitments made by members of the Chino Desalter Authority (CDA) that facilitate the initiation of the final phase of the project.

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<sup>3</sup> Section 5(c) of the Overlying (Non-Agricultural) Pool Pooling Plan provides, "Special Project OBMP Assessment. Each year, every member of this Pool will dedicate ten (10) percent of their annual share of Operating Safe Yield to Watermaster or in lieu thereof Watermaster will levy a Special Project OBMP Assessment in an amount equal to ten percent of the Pool member's respective share of Safe Yield times the then-prevailing MWD Replenishment Rate."

<sup>4</sup> Exhibit "D" to Resolution 2010-04 stated that the intended allocation of the residual Replenishment obligation among the members of the Appropriative Pool would be on the basis of 50% Base Annual Production Right and 50% actual Production. It further stated that the formula is used elsewhere in the Peace II Agreement and it is commonly understood by the Parties to the Judgment and Watermaster to apply in this manner. Watermaster staff understands this allocation mechanism to be on the basis of 50% Operating Safe Yield and 50% assessable production, which is the same as that used for the allocation of stored water in the settlement agreements regarding the Overlying (Non-Agricultural) Pool Purchase and Sale Agreements and that provided for allocation of water available through Physical Solution Transfers pursuant to Paragraph 9(b) of Restated Judgment, Exhibit "G".

Because the cost of Desalter Replenishment was anticipated to be significant<sup>5</sup>, as part of their agreement to move forward with the final portion of the Desalter project, the CDA members required certainty as to the manner in which Watermaster would implement Section 6.2 of the Peace II Agreement. The Parties' understanding of that implementation mechanism was included as Exhibit "D" to Resolution 2010-04, titled "Desalter Replenishment Post-Peace II Measures." (See Resolution 2010-04, Whereas Statement 72.) Exhibit "D" describes, by way of example, the manner in which a replenishment obligation might remain after the application of the credits described in the Peace II Section 6.2 hierarchy, described above,

Exhibit "D" further provides that it was the Parties' understanding that any individual member of the Appropriative Pool reserved its discretion to meet its Desalter Replenishment Obligation in any manner that it might choose that is otherwise consistent with the Judgment. By way of example, Exhibit "D" states that a party might "pursue water transfers, remove water from a stored water account or assign a share of Operating Safe Yield<sup>6</sup>" to offset its individual Replenishment Assessment. In this manner, Desalter Replenishment is treated no differently than replenishment for pumping in excess of a party's annual production right: "Nothing contained with[in] Peace II and its treatment of Replenishment for the Desalters limited the pre-existing rights of the parties with respect to Replenishment."

The understanding of the Parties regarding their Desalter Replenishment obligations, as documented in Exhibit "D", was approved by the Court as part of its October 28, 2011 Order after Hearing on Motion for Approval of Watermaster Resolution 2010-04, which ordered,

17. Agreements among the Parties, whatever they may be, for Replenishment, operations, conditions and corresponding consideration without limitations, are unaffected by this determination. However, for the avoidance of doubt, Watermaster Resolution 2010-04, Exhibit "D" accurately summarizes and restates these obligations.

(October 28, 2011 Order after Hearing on Motion for Approval of Watermaster Resolution 2010-04.)

B. Appropriative Pool Parties may meet their Desalter Replenishment Obligations through Either Monetary or Water Contributions

As described above, the obligation for Desalter Replenishment, for existing Desalters is apportioned among the Parties to the Judgment in accordance with the hierarchy set forth in Peace II Section 6.2. Assuming that in a particular year that Desalter Production exceeded water made available through the application of the hierarchy, the remaining obligation would be assumed by the members of the Appropriative Pool in accordance with the melded Annual Production Right and Production formula.

As described above, in the creation of the Peace II Section 6.2 requirements, it was the Parties' understanding, endorsed by the Court in its approval of Resolution 2010-04, that the Members of the Appropriative Pool may meet their Desalter Replenishment Obligations in any manner they choose, including through contribution of water – through the acquisition of water by way of allowed water transfers, through the removal of water from a stored water account or through the assignment of a portion of an annual production right – or may contribute financially toward the necessary cost of offsetting their individual Replenishment Assessments.

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<sup>5</sup> The applicable replenishment obligation arises in regard to the Production of the existing Desalters, as the Production that would occur as a result of the expansion of the Desalters was completely offset through the apportionment of a portion of the 400,000 acre-feet of Re-Operation water, approved by the Court pursuant to Condition Subsequent No. 7.

<sup>6</sup> Watermaster has previously discussed mechanisms through which these contributions might be made – similar to preemptive replenishment, but there is no standard mechanism for the same. To date, no party has utilized this provision to dedicate Safe Yield for the purpose of offsetting Desalter obligations.

### The City's Proposed Agreement

The Agreement states that the City has acquired and may, in the future, acquire Overlying (Non-Agricultural) Pool water rights in Safe Yield, and hold this water in storage "with the intention of subsequently contributing this Safe Yield to Watermaster." (Agreement, ¶ 1.) The Agreement provides that if a Replenishment Obligation arises that is attributable to Desalter Production, as provided in Section 6.2 of the Peace II Agreement, the City may contribute Safe Yield attributable to its overlying rights in the Non-Agricultural Pool to Watermaster for the purpose of offsetting its individual Replenishment Obligation as a member of the Appropriative Pool. (Agreement, ¶ 2.) Upon such a contribution, Watermaster would make a corresponding adjustment to the City's assessment and thereby reduce the City's Replenishment obligation in an amount equal to the number of acre-feet contributed by the City in that year. (Agreement, ¶ 2.)

The City seeks the Agreement to confirm its reading of the Peace and Peace II Agreements that it might utilize Safe Yield from its Non-Ag overlying rights to satisfy its Desalter production offset obligations. Confirmation is sought as this mechanism – dedication of Safe Yield arising from an overlying right to satisfy a specific Appropriator's offset obligation – is not explicitly enumerated in the Peace or Peace II Agreements. Although this mechanism not explicitly enumerated in the Peace or Peace II Agreements, staff's interpretation is that the City's reading is permissible.

A question has arisen as to whether the allowance of such a dedication would be contrary to other provisions of the Watermaster guidance documents, particularly in regard to other provisions of the Non-Ag Pool's Pooling Plan (Exhibit "G" to the Restated Judgment). Section 9 of Exhibit "G" describes the manner in which water may be transferred from the Safe Yield rights of a member of the Overlying (Non-Agricultural) Pool, providing that, during the term of the Peace Agreement, members of the Non-Ag Pool may transfer their quantified Production rights and carry-over water held in storage accounts to other members of the Non-Ag Pool, and to Watermaster and thence to members of the Appropriative Pool in accordance with the clearinghouse process outlined therein, which provides all members of the Appropriative Pool the opportunity to purchase a pro rata share of water made available for transfer. (Restated Judgment, Exhibit "G", 9.)

Consistent with Section 5.3(e) of the Peace Agreement ("... parties to the Judgment with rights within the Non-Agricultural Pool shall have the additional right to Transfer their rights to Watermaster for the purposes of Replenishment of a Desalter") Section 9 of Exhibit "G" additionally provides that such water may be directly transferred to Watermaster for replenishment purposes. Although this section does not expressly indicate that such a transfer may be earmarked to offset the obligation of a particular member of the Appropriative Pool, the language within Peace and Peace II Agreements is susceptible to a common sense interpretation that such dedication is permissible, and the mechanism is not expressly or impliedly limited under the Judgment, Peace I or Peace II, or Watermaster Rules and Regulations.

The Physical Solution Transfers authorized by the Peace Agreement and its progeny have always been construed as collective rights. To date, no party has articulated a good reason for requiring a gross dedication of Safe Yield for the benefit of all members of the Appropriative Pool where only one (or less than all) have provided the consideration for acquiring the underlying rights. Watermaster is seeking review and recommendation as to Watermaster's potential action to confirm that the City may satisfy its Replenishment obligation by dedicating Safe Yield arising under its overlying water rights, and enter into the draft Agreement, subject to obtaining Court approval.

### ATTACHMENTS

1. Agreement for the Conditional Contribution of Safe Yield to Offset Future Desalter Replenishment
2. Exhibit "D" to Watermaster Resolution 2010-04

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**ATTACHMENT 1 TO 5/14/15 STAFF REPORT RE CITY OF ONTARIO AGREEMENT FOR THE  
CONDITIONAL CONTRIBUTION OF SAFE YIELD TO OFFSET FUTURE DESALTER REPLENISHMENT**

**AGREEMENT FOR THE CONDITIONAL CONTRIBUTION  
OF SAFE YIELD TO OFFSET FUTURE DESALTER REPLENISHMENT**

**WHEREAS**, Watermaster is charged with responsibility to administer the Judgment and the Optimum Basin Management Program ("OBMP");

**WHEREAS**, a substantial Replenishment Obligation for the Chino Basin Desalters is projected to arise starting as soon as next fiscal year;

**WHEREAS**, the City of Ontario ("City") is a party to the Judgment and the owner of appropriative and overlying rights and is a member of the Appropriative and Overlying (Non-Agricultural) Pools;

**WHEREAS**, the Judgment allocates the Basin's Safe Yield among the Appropriative, Overlying (Agricultural) and Overlying (Non-Agricultural) Pools;

**WHEREAS**, the City has acquired, and intends to acquire rights to a portion of the Safe Yield allocated among the members of the Overlying (Non-Agricultural) Pool;

**WHEREAS**, Section 9 of the Overlying (Non-Agricultural) Pooling Plan, Exhibit G to the Judgment, provides that members of the Pool may transfer their quantified Production rights "to Watermaster in conformance with the procedures described in the Peace Agreement between the Parties therein, dated June 29, 2000." Said Peace Agreement at Section 5.3 (e) provides that "parties to the Judgment with rights within the Non-Agricultural Pool shall have the additional right to Transfer their rights to Watermaster for the purposes of Replenishment for a Desalter...";

**WHEREAS**, Section 7.5(c) of the Peace Agreement provides that "Safe Yield" may be utilized for replenishment of Desalter production;

**WHEREAS**, pursuant to Peace Agreement II Section 6.2(a), which cites Section 7.5(c) of the Peace Agreement, Watermaster will determine the Replenishment Obligation attributable to the Desalters after taking into account Safe Yield "contributed by the parties";

**WHEREAS**, Exhibit D to Watermaster Resolution 2010-04, states that a party might pursue water transfers, remove water from a stored water account or assign a share of Operating Safe Yield to offset its individual Replenishment Assessment attributable to the Desalters.

**WHEREAS**, the City has a prospective Replenishment Obligation attributable to the Desalters as an individual member of the Appropriative Pool, which it may desire to offset through contribution of Safe Yield;

**WHEREAS**, Watermaster has previously acquired Safe Yield from other Parties to offset subsequent Desalter Replenishment obligations;

**WHEREAS**, the City intends to conditionally contribute Safe Yield acquired from the Overlying (Non-Agricultural) Pool to Watermaster in accordance with the provisions of

the Peace and Peace II Agreements;

**NOW THEREFORE**, the parties agree as follows:

**AGREEMENT**

1. City Acquisition of Safe Yield. The City has acquired and may, in the future, validly acquire Overlying (Non-Agricultural) Pool water rights in Safe Yield from Parties to the Judgment and hold this water in Local Storage with the intention of subsequently contributing this Safe Yield to Watermaster, provided that it complies with all Watermaster rules and regulations concerning the beneficial use and storage of Basin Water, including but not limited to the application of an annual loss from storage until a contribution occurs or the City otherwise elects to use the Safe Yield for another permissible purpose.

2. Contribution. At any time after the date of execution of this Agreement, if a Replenishment Obligation arises that is attributable to Desalter Production, the City may contribute Safe Yield, attributable to its overlying rights in the Non-Agricultural Pool, to Watermaster for the purpose of offsetting its individual Replenishment Obligation as a member of the Appropriative Pool or otherwise. Upon a City contribution, Watermaster will make a corresponding adjustment to the City's assessment and thereby reduce the City's Replenishment obligation in an amount equal to the number of acre-feet contributed by the City in that year.

3. No Prejudice. The execution of this Agreement will be without prejudice to the City's right to use the acquired Safe Yield for permissible purposes under the Judgment.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

**CHINO BASIN WATERMASTER**

By:

\_\_\_\_\_  
Name:  
Title:

**CITY OF ONTARIO**

By:

\_\_\_\_\_  
Name:  
Title:

**ATTACHMENT 2 TO 5/14/15 STAFF REPORT RE CITY OF ONTARIO AGREEMENT FOR THE CONDITIONAL CONTRIBUTION OF SAFE YIELD TO OFFSET FUTURE DESALTER REPLENISHMENT**

**EXHIBIT "D"**

**DESALTER REPLENISHMENT POST-PEACE II MEASURES**

Summary

Desalter Replenishment is controlled by Peace II Section 6.2, attached hereto. As a result of the methodology referenced below, Western Municipal Water District (WMWD) will not incur any replenishment obligation for the 9 mgd expansion. This follows from the fact that WMWD is not a member of the Appropriative Pool and it was not required to become one as a precondition to the approval of the Peace II Measures, although it may elect in its discretion to do so.

WMWD has no share of Operating Safe Yield. Because the formula for apportioning the cost of Replenishment set forth in Section 6.2 attributable to the Desalters expressly excluded Production from the Desalters from the calculation of responsibility, even WMWD's intervention into the Appropriative Pool would not trigger a Replenishment obligation for WMWD. Specifically, without a share of Operating Safe Yield or any eligible groundwater production, there would be no basis to assess WMWD for a Replenishment Assessment.

It is also true that to the extent WMWD shared a portion of its rights to the 9 mgd expansion with Jurupa Community Services District and the City of Ontario as contemplated by Article VI, there would be no impact on the net Replenishment obligation of any other Party to the Judgment because all of the projected groundwater production planned for the proposed 9 mgd expansion was to be offset by the apportionment of 175,000 acre-feet for this purpose; both in the Court proceeding and in the filing in compliance with Condition Subsequent Number 7 (attached hereto as Exhibit "B").<sup>1</sup> (See below.) Replenishment attributable to the Chino I and Chino II Desalters is also addressed by formula in Peace Agreement II Section 6.2(b)(ii).

Replenishment Example

The obligation for Desalter Replenishment, for existing Desalters (as the Expansion was fully offset) was apportioned among the Parties to the Judgment in accordance with the hierarchy set forth in Peace Agreement II Section 6.2. Thus, assuming in Year X, there was 35,000 acre-feet of Desalter Production, the stated hierarchy of sources would be applied to satisfy the cumulative demand.

- (1) Kaiser: (Peace Agreement II Section 6.2(a)(i))

<sup>1</sup> Subject to an adjustment in the schedule to reflect actual operations.

- (2) No Ag Dedication (Peace Agreement II Section 6.2(a)(ii)
- (3) New Yield other than Storm Water (Peace Agreement II Section 6.2(a)(iii)
- (4) Losses from Storage and Recovery Agreements enforced as a Leave Behind (Peace Agreement II Section 6.2(a)(iv).
- (5) Contributed safe yield (Peace Agreement II Section 6.2(a)(v)
- (6) Controlled Overdraft as authorized (175 / 225). (Judgment Exhibit I.

Assuming for purposes of this example that the sum of (1)-(5) referenced above in Year X was 10,000 acre-feet, there would be a total Replenishment Requirement of 25,000 acre-feet. That quantity apportioned to the Expansion would be apportioned 10,000 acre-feet to offset that production (assuming the schedule is adhered to) and the balance would be assumed by the Appropriative Pool in accordance with the formula set forth in Section 6.2(b)(ii). In summary, that formula divides the residual Replenishment obligation among the members of the Appropriative Pool on the basis of 50% Base Annual Production Right and 50% actual Production. The actual language of Section 6.2(b)(ii) reads slightly different, but it is not inconsistent. This formula is used elsewhere in the Peace II Agreement and it is commonly understood by the Parties to the Judgment and Watermaster to apply in the manner described in this paragraph and this Exhibit.

The formula expressly, albeit provisionally, excludes Desalter Production from the calculation. This means that the 25,000 acre-feet of production in this example attributed to the Desalters would not form a basis to assess any member of CDA a larger assessment simply because they received desalted water. However, if there is a material reduction in the cost of desalted water, this provision was subject to a re-opener. (See below)

This structure preserves the intention of the parties, the Court and Watermaster to remove the Replenishment obligation from the cost consideration of the Expansion Project. The Replenishment obligation attributed to the Chino I and Chino II Desalters was a pre-existing and known obligation prior to Peace II. The use of water made available by the Peace II Measures substantially reduced the projected Replenishment obligation by 225,000 acre-feet.

It is true that there is a provision in Peace Agreement Section 6.2(b)(ii) that reflects that the exclusion of the Desalter production from the calculation might be revisited if the costs of water from the Desalters were to be materially reduced. However, as of October 28, 2010, Watermaster has no present information and thus no good cause that would suggest that the cost of product water from the Desalters is going to be substantially less than the negotiated price cap. Consequently it would appear that there is no present basis to reconsider this element although Watermaster and the Court would be authorized to revisit this provision if good cause were subsequently presented.

The treatment of Replenishment in any Renewal Term (Post-Peace Agreement 2030) is the subject of negotiation. (Peace Agreement II, Section 6.2(c)). This means that the inter-se allocation of the 400,000 acre-feet is fully addressed during the term of the Peace Agreement. The Parties to the Judgment are free to extend the Peace Agreement for the Renewal Term or to renegotiate any provision as a condition of extension.

Any individual member of the Appropriative Pool reserves discretion to meet their Replenishment Obligation in any manner that they may choose that is otherwise consistent with the Judgment. For example, a party may pursue water transfers, remove water from a stored water account or assign a share of Operating Safe Yield to offset their individual Replenishment Assessment. Nothing contained with Peace II and its treatment of Replenishment for the Desalters limited the pre-existing rights of the parties with respect to Replenishment.

#### Allocation of 400,000 Acre-Feet

As far as the inter-se apportionment of the allocation, Section 7 of the Peace II Agreement contemplated a fair process to arrive at an apportionment. An initial schedule was transmitted to the Court in response to the Court Order. The schedule was the subject of testimony and further reporting and ultimately a requirement for a schedule to be filed in connection with Condition Subsequent Number 7.

Watermaster filed its apportionment in response to Condition Subsequent Number 7, allocating 175,000 acre-feet to the expansion and 225,000 to the existing Desalters.

Peace Agreement II Section 7.2(e)(ii) authorizes Watermaster to propose revisions to the proposed schedule where good cause exists – supported by a technical explanation. A potential cause to revise the schedule might include the Expansion Project's failure to extract the allocated quantities as a result of delays in construction and operation. It is possible that there may be other public policy reasons that support other potential causes that would support a revision of the schedule, but no such reason has been presented to Watermaster.

In general, modest corrections are fairly likely to be acceptable. Material deviations may suggest a failure in one or more purposes of the OBMP Implementation Plan, and Watermaster is unable to predict how it may respond to the failure of the Expansion Project to proceed as planned.

#### Legal Effect of WMWD Intervention in the Appropriative Pool

As noted above, there is no requirement in the Peace II Measures that WMWD intervene into the Appropriative Pool. There is a requirement that

WMWD make the Appropriative Pool whole for historic contributions under Peace Agreement II Section 5.5(e). The requirements set forth in Section 5.5(e) of the Peace II Agreement have been satisfied by WMWD's assumption of project risk, out-of-pocket costs presently in excess of \$5 million (\$15 million for the Expansion Parties) and the further assumption of capital and operations and maintenance costs in excess of expectations (the cost-cap as for WMWD's portion of expenses. However, this finding is made only with regard to WMWD's obligation under Section 5.5 to complete final binding agreement(s) regarding Future Desalters. This finding is not intended to have any bearing or impact on the sufficiency of WMWD's assumption of risk and costs for any other purpose, including the availability of a reduced uniform loss percentage under Peace II Agreement Section 7.4. This finding also does not affect WMWD's rights or obligations to intervene into the Appropriative Pool on the terms and conditions that may be fairly agreed among the Appropriative Pool and WMWD.

#### Transferability of 400,000 Acre-Feet

There is no allocation of any portion of the 400,000 acre-feet to any individual party. The water is made available for the express purpose of offsetting Desalter production in furtherance of obtaining Hydraulic Control through Re-Operation. The water is apportioned as provided in Watermaster's Response to Condition Subsequent Number 7 to the December 21, 2007 Order of the Court.

## EXHIBIT D-1

### PEACE II AGREEMENT: PARTY SUPPORT FOR WATERMASTER'S OBMP IMPLEMENTATION PLAN, – SETTLEMENT AND RELEASE OF CLAIMS REGARDING FUTURE DESALTERS

6.2 Peace II Desalter Production Offsets. To facilitate Hydraulic Control through Basin Re-Operation, in accordance with the 2007 Supplement to the OBMP Implementation Plan and the amended Exhibits G and I to the Judgment, additional sources of water will be made available for purposes of Desalter Production and thereby some or all of a Replenishment obligation. With these available sources, the Replenishment obligation attributable to Desalter production in any year will be determined by Watermaster as follows:

- (a) Watermaster will calculate the total Desalter Production for the preceding year and then apply a credit against the total quantity from:
  - (i) the Kaiser account (Peace Agreement Section 7.5(a).);
  - (ii) dedication of water from the Overlying (Non-Agricultural) Pool Storage Account;
  - (iii) New Yield (other than Stormwater (Peace Agreement Section 7.5(b)));
  - (iv) any declared losses from storage in excess of actual losses enforced as a "Leave Behind";
  - (v) Safe Yield that may be contributed by the parties (Peace Agreement Section 7.5(c));
  - (vi) any Production of groundwater attributable to the controlled overdraft authorized pursuant to amended Exhibit I to the Judgment.
- (b) To the extent available credits are insufficient to fully offset the quantity of groundwater production attributable to the Desalters, Watermaster will use water or revenue obtained by levying the following assessments among the members of the Overlying (Non-Agricultural) Pool and the Appropriative Pool to meet any remaining replenishment obligation as follows.



- (i) A Special OBMP Assessment against the Overlying (Non-Agricultural) Pool as more specifically authorized and described in amendment to Exhibit "G" paragraph 8(c) to the Judgment will be dedicated by Watermaster to further off-set replenishment of the Desalters. However, to the extent there is no remaining replenishment obligation attributable to the Desalters in any year after applying the off-sets set forth in 6.2(a), the OBMP Special Assessment levied by Watermaster will be distributed as provided in Section 9.2 below. The Special OBMP Assessment will be assessed pro-rata on each member's share of Safe Yield, followed by
  - (ii) A Replenishment Assessment against the Appropriate Pool, pro-rata based on each Producer's combined total share of Operating Safe Yield and the previous year's actual production. Desalter Production is excluded from this calculation. However, if there is a material reduction in the net cost of Desalter product water to the purchasers of product water, Watermaster may re-evaluate whether to continue the exclusion of Desalter Production but only after giving due regard to the contractual commitment of the parties.
  - (iii) The quantification of any Party's share of Operating Safe Yield does not include the result of any land use conversions.
- (c) The rights and obligations of the parties, whatever they may be, regarding Replenishment Assessments attributable to all Desalters and Future Desalters in any renewal term of the Peace Agreement are expressly reserved and not altered by this Agreement.



# **CHINO BASIN WATERMASTER**

## **II. BUSINESS ITEMS**

- E. AMENDMENTS TO JUDGMENT AND CAMA TO IMPLEMENT SETTLEMENT AGREEMENT REGARDING APPEAL FROM APRIL 28, 2017 ORDER**



# CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.  
General Manager

## STAFF REPORT

DATE: June 14, 2018 (Appropriative and Non-Agricultural Pools)  
June 15, 2018 (Agricultural Pool)

TO: Pool Committee Members

SUBJECT: Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding  
Appeal from April 28, 2017 Order (Business Item II.E.)

### SUMMARY

Issue: The parties to the appeal from the April 28, 2017 Order are proposing amendments to the Judgment and CAMA. These are being presented to the Pools for consideration.

Recommendation: Discuss and offer advice.

Financial Impact: There is no financial impact associated with the above recommendation.

### Future Consideration

Appropriative Pool – June 14, 2018: Discuss and offer advice

Non-Agricultural Pool – June 14, 2018: Discuss and offer advice

Agricultural Pool – June 15, 2018: Discuss and offer advice

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### ACTIONS:

Appropriative Pool – June 14, 2018:

Non-Agricultural Pool – June 14, 2018:

Agricultural Pool – June 15, 2018:

## BACKGROUND

The parties to the Appeal from the April 28, 2017 Order are proposing changes to the Judgment, Peace Agreement and Peace II Agreement, as a means of implementing a settlement agreement to dispose of the pending appeal.

The parties to the appeal also suggest there may be an erroneous reference in Peace II, which could be corrected as part of the same process. In sections 6.2(b)(i) and 9.2(a), "paragraph 8(c)" should be "paragraph 5(c)".

## DISCUSSION

The proposed amendments including exhibits were transmitted electronically to the Watermaster distribution list on Friday June 8, 2018 and are shown as Attachment 1. The Pools are requested to discuss these and offer advice.

## ATTACHMENTS

1. Work product of parties to the Appeal from April 28, 2017 Order titled "Proposed Changes to Judgment and CAMA"

DRAFT LSGK 6/6/2018

## Proposed Changes to Judgment and CAMA

### 1. As provided in the 2017 Order, paragraph 6 of the Judgment is amended to read as follows:

6. Safe Yield. The Safe Yield of Chino Basin is ~~135,000~~ 140,000 acre-feet per year.

### 2. The introductory sentence to Exhibit H, ¶10 of the Judgment is amended to read as follows:

10. Unallocated Safe Yield Water. To the extent that, in any ~~year~~ ~~five years~~, any portion of the share of Safe Yield allocated to the Overlying (Agricultural) Pool is not produced, such water shall be available for reallocation to members of the Appropriative Pool, as follows:

### 3. Section 1.1(o) of the Peace Agreement is amended to read as follows:

(o) "Early Transfer" means the reallocation of Safe Yield not Produced by the Agricultural Pool to the Appropriative Pool on an annual basis ~~after all land use conversion claims are satisfied~~ rather than according to the five year increment described in Paragraph 10 of Exhibit "H" of the Judgment;

### 4. Section 5.3(g) of the Peace Agreement is amended to read as follows:

(g) Watermaster shall approve an "Early Transfer" of water to the Appropriative Pool ~~in an amount not less than 32,800 acre-feet per year that is the expected approximate quantity of water not Produced by the Agricultural Pool~~ *on an annual basis* ~~The quantity of water subject to Early Transfer under this paragraph shall be the greater of (i) 32,800 acre-feet of (ii) 32,800 acre-feet plus the actual quantity of water not Produced by the Agricultural Pool for that Fiscal Year that is remaining after all the land use conversions are satisfied pursuant to 5.3(h) below.~~

- (i) The Early Transfer water shall be annually allocated among the members of the Appropriative Pool in accordance with their pro-rata share of the initial Safe Yield.
- (ii) The Transfer shall not limit the Production right of the Agricultural Pool under the Judgment to Produce up to 82,800 acre-feet of water in any year or 414,000 acre feet in any five years as provided in the Judgment.
- (iii) The combined Production of all parties to the Judgment shall not cause a Replenishment assessment on the members of the Agricultural Pool. The Agricultural Pool shall be responsible for any Replenishment obligation created by the Agricultural Pool Producing more than 414,000 acre-feet in any five-year period.
- (iv) The parties to the Judgment and Watermaster shall Produce water in accordance with the Operating Safe Yield and shall procure sufficient quantities of Replenishment Water to satisfy over-Production requirements, whatever they may be, and avoid Material Physical Injury to any party to the Judgment or the Basin;
- (v) Nothing herein shall be construed as modifying the procedures or voting rights within or by the members of the Agricultural Pool.

**5. Subparagraph (b)(3)(i) of Exhibit H, ¶ 10 of the Judgment is amended to read as follows:**

(i) For the term of the Peace Agreement *and any extension thereof*, in any year in which sufficient unallocated Safe Yield from the Overlying (Agricultural) Pool is available for such conversion claims, Watermaster shall allocate to each appropriator with a conversion claim 2.0 acre-feet of unallocated Safe Yield water for each converted acre for which conversion has been approved and recorded by the Watermaster.

**6. Pursuant to section 7.2(e)(ii) of the Peace II Agreement, 175,000 acre-feet of controlled overdraft (Re-Operation water) will be allocated to Desalter replenishment over a 17-year period, beginning in 2013-14 and ending in 2029-30, according to the schedule attached as Exhibit A.**

**7. Section 7.1 of the Peace II Agreement, entitled “New Yield Attributable to Desalters,” is deleted. It is replaced by new section 6.2(b)(ii) as set forth below.**

**8. Section 6.2(b) of the Peace II Agreement is amended to read as follows:**

(b) To the extent available credits are insufficient to fully offset the quantity of groundwater production attributable to the Desalters, Watermaster will use water or revenue obtained by levying the following assessments among the members of the Overlying (Non-Agricultural) Pool and the Appropriative Pool to meet any remaining replenishment obligation as follows.

(i) A Special OBMP Assessment against the Overlying (Non-Agricultural) Pool as more specifically authorized and described in amendment to Exhibit “G” paragraph 8(c) to the Judgment will be dedicated by Watermaster to further off-set replenishment of the Desalters. However, to the extent there is no remaining replenishment obligation attributable to the Desalters in any year after applying the off-sets set forth in 6.2(a), the OBMP Special Assessment levied by Watermaster will be distributed as provided in section 9.2 below. The Special OBMP Assessment will be assessed pro-rata on each member’s share of Safe Yield, followed by

*(ii) The members of the Appropriative Pool will contribute a total of 10,000 afy toward Desalter replenishment, allocated among Appropriative Pool members as follows:*

- (1) 85% of the total (8,500 afy) will be allocated according to the Operating Safe Yield percentage of each Appropriative Pool member; and*
- (2) After all unproduced Overlying (Agricultural) Pool water is allocated pursuant to Exhibit H, paragraph 10 of the Judgment, 15% of the total (1,500 afy) will be allocated according to each land use conversion agency’s percentage of the total land use conversion claims in a particular year. The formula is to be adjusted annually based on the actual land use conversion allocations of the year.*

*The annual desalter replenishment obligation contribution of each Appropriative Pool member will be calculated using the following formula:*

***Desalter replenishment obligation contribution = (8,500 \* % Appropriator's share of total initial 49,834 afy Operating Safe Yield) + (1,500 \* % Appropriator's proportional share of that year's total conversion claims)***

*A sample calculation of the desalter replenishment obligation contribution for each Appropriative Pool member is shown on Exhibit \_\_ to this Peace II Agreement, as amended.*

- (iii) ~~(ii)~~ A Replenishment Assessment against the Appropriative Pool *for any remaining Desalter replenishment obligation, allocated pro-rata to each Appropriative Pool member according to the combined total of the member's share of Operating Safe Yield and the member's Adjusted Physical Production, as defined below.* pro-rata based on each Producer's combined total share of Operating Safe Yield and the previous year's actual production. Desalter Production is excluded from this calculation. *A sample calculation of the allocation of the remaining desalter obligation is shown in Exhibit \_\_ to this Peace II Agreement.* However, if there is a material reduction in the net cost of Desalter product water to the purchasers of product water, Watermaster may re-evaluate whether to continue the exclusion of Desalter Production but only after giving due regard to the contractual commitment of the parties.
- (iv) *Adjusted Physical Production for a particular year is the Appropriative Pool member's total combined physical production (i.e., all groundwater pumped or produced by the Appropriative Pool member's groundwater wells in the Chino Basin), with the following adjustments:*
- (1) *In the case of assignments among Appropriative Pool members, or between Appropriative Pool members and Non-Agricultural Pool members, resulting in pumping or production by one party to the Judgment for use by another party to the Judgment, the production for purposes of Adjusted Physical Production shall be assigned to the beneficiary, not the actual producer.*
  - (2) *Production offset credits pursuant to voluntary agreements under section 5.3(i) of the Peace Agreement are calculated at 50% of the total voluntary agreement credit in the determination of Adjusted Physical Production for an Appropriative Pool member participating in a voluntary agreement for that year. In the determination of Adjusted Physical Production, the voluntary agreement credit is subtracted from physical production. Reduction of the voluntary agreement credit from 100% to 50% is applicable only to the calculation of the Adjusted Physical Production hereunder; but in all other applications, the voluntary agreement credit shall remain unchanged (i.e. remain at 100%).*
  - (3) *Production associated with approved storage and recovery programs (e.g., Dry Year Yield recovery program with MWD) is not counted in Adjusted Physical Production, except that in-lieu participation in such programs shall be added to Adjusted Physical Production.*

- (4) Production that is subsequently recharged to the groundwater basin within the same Year is not counted in Adjusted Physical Production.*
- (5) The Appropriative Pool may approve, by unanimous vote, the inclusion of other items in the determination of Adjusted Physical Production.*
- (v) Any member of the Appropriative Pool that holds Non-Agricultural-Pool water rights as a member of the Non-Agricultural Pool may, in its sole discretion, use them to satisfy its desalter replenishment obligation under this section 6.2(b). Eligible Non-Agricultural-Pool rights are limited to water held in storage as of June, 2017, and annually recurring Non-Agricultural-Pool water rights held as a member of the Non-Agricultural Pool. Eligible Non-Agricultural-Pool rights exclude rights already dedicated to the Special Project OBMP Assessment (10% haircut) under section 6.2(b)(i), and any stored water purchased or water rights leased or temporarily transferred directly from a member of the Non-Agricultural Pool pursuant to Exhibit G, ¶9(i) of the Judgment after June, 2017.*
- (vi) ~~(iii)~~The quantification of any Party's share of Operating Safe Yield does not include either land use conversions or Early Transfers.*

COMPROMISE AND SETTLEMENT DOCUMENT  
 Schedule for Use of ReOperation Water  
 5/16/2018

**NEW PROPOSAL**

Production Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Peace I Desalter Production	29,227.997	29,541.300	27,008.810	26,275.588	30,000.000	30,000.000	30,000.000	30,000.000	30,000.000
Peace II Desalter Production	14.555	448.690	1,154.052	1,527.215	10,000.000	10,000.000	10,000.000	10,000.000	10,000.000
<b>AP "DRO Contribution"</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>
ReOp Water	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>
NonAg Assessment	0.000	0.000	0.000	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>
Remaining DRO	6,742.552	7,489.990	5,662.862	4,567.803	16,765.000	16,765.000	16,765.000	16,765.000	16,765.000

Production Year	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Peace I Desalter Production	30,000.000	30,000.000	30,000.000	30,000.000	30,000.000	30,000.000	30,000.000	30,000.000
Peace II Desalter Production	10,000.000	10,000.000	10,000.000	10,000.000	10,000.000	10,000.000	10,000.000	10,000.000
<b>AP "DRO Contribution"</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>	<b>(10,000.000)</b>
ReOp Water	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(12,500.000)</b>	<b>(5,000.000)</b>	<b>(5,000.000)</b>	<b>(5,000.000)</b>	<b>(5,000.000)</b>	<b>(5,000.000)</b>
NonAg Assessment	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>	<b>(735.000)</b>
Remaining DRO	16,765.000	16,765.000	16,765.000	24,265.000	24,265.000	24,265.000	24,265.000	24,265.000



**Appropriative Pool Desalter Replenishment Obligation Contributions - Production Year 2013-14**

Production Year 2013/2014 Desalter Replenishment Obligation (DRO) Contribution:

10,000.000 AF

Appropriative Pool Party	Production Year 2013/14 Common Data (Headings from Approved 2014/2015 Assessment Package)			Methodology for 85/15 split between shares of Operating Safe Yield and % of Land Use Conversions		
	a	b	c = %b	d = (DRO Contrib*.85)*a	e = (DRO Contrib*.15)*c	f = d + e
	Percent of Operating Safe Yield (Column 2A)	Use Land Conversions (Page 12A)*	Percent of Land Conversions Use	85% DRO Contribution Based on Percent of Operating Safe Yield	15% DRO Contribution Based on Percent of Land Use Conversions	Desalter Replenishment Obligation Contribution
Arrowhead Mtn Spring Water Co	0.000%	0.000	0.000%	0.000	0.000	0.000
Chino Hills, City of	3.851%	1,133.906	4.334%	327.335	65.013	392.348
Chino, City of	7.357%	7,623.064	29.138%	625.345	437.074	1,062.419
Cucamonga Valley Water District	6.601%	598.364	2.287%	561.085	34.308	595.393
Fontana Union Water Company	11.657%	0.000	0.000%	990.845	0.000	990.845
Fontana Water Company	0.002%	834.000	3.188%	0.170	47.818	47.988
Fontana, City of	0.000%	0.000	0.000%	0.000	0.000	0.000
Golden State Water Company	0.750%	0.000	0.000%	63.750	0.000	63.750
Jurupa Community Services District	3.759%	13,876.196	53.040%	319.515	795.602	1,115.117
Marygold Mutual Water Company	1.195%	0.000	0.000%	101.575	0.000	101.575
Monte Vista Irrigation Company	1.234%	0.000	0.000%	104.890	0.000	104.890
Monte Vista Water District	8.797%	55.075	0.211%	747.745	3.158	750.903
Niagara Bottling, LLC	0.000%	0.000	0.000%	0.000	0.000	0.000
Nicholson Trust	0.007%	0.000	0.000%	0.595	0.000	0.595
Norco, City of	0.368%	0.000	0.000%	31.280	0.000	31.280
Ontario, City of	20.742%	2,041.095	7.802%	1,763.070	117.028	1,880.098
Pomona, City of	20.454%	0.000	0.000%	1,738.590	0.000	1,738.590
San Antonio Water Company	2.748%	0.000	0.000%	233.580	0.000	233.580
San Bernardino, County of (Shooting Park)	0.000%	0.000	0.000%	0.000	0.000	0.000
Santa Ana River Water Company	2.373%	0.000	0.000%	201.705	0.000	201.705
Upland, City of	5.202%	0.000	0.000%	442.170	0.000	442.170
West End Consolidated Water Co	1.728%	0.000	0.000%	146.880	0.000	146.880
West Valley Water District	1.175%	0.000	0.000%	99.875	0.000	99.875
	100.000%	26,161.700	100.000%	8,500.000	1,500.000	10,000.000

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**Appropriative Pool Desalter Replenishment Obligation Contributions - Production Year 2014/15**

Production Year 2014/15 Desalter Replenishment Obligation (DRO) Contribution:

10,000.000 AF

Appropriative Pool Party	Production Year 2014/15 Common Data (Headings from Approved 2015/2016 Assessment Package)					Methodology for 85/15 split between shares of Operating Safe Yield and % of Land Use Conversions		
	a		b		c = %b	d = (DRO Contrib*.85)*a	e = (DRO Contrib*.15)*c	f = d + e
	Percent of Operating Safe Yield (Column 2A)	Use	Land Conversions (Page 12A)*	Land Conversions	Percent of Use	85% DRO Contribution Based on Percent of Operating Safe Yield	15% DRO Contribution Based on Percent of Land Use Conversions	Desalter Replenishment Obligation Contribution
Arrowhead Mtn Spring Water Co	0.000%		0.000		0.000%	0.000	0.000	0.000
Chino Hills, City of	3.851%		1,222.774		4.568%	327.335	68.522	395.857
Chino, City of	7.357%		7,860.248		29.365%	625.345	440.472	1,065.817
Cucamonga Valley Water District	6.601%		598.364		2.235%	561.085	33.531	594.616
Fontana Union Water Company	11.657%		0.000		0.000%	990.845	0.000	990.845
Fontana Water Company	0.002%		834.000		3.116%	0.170	46.736	46.906
Fontana, City of	0.000%		0.000		0.000%	0.000	0.000	0.000
Golden State Water Company	0.750%		0.000		0.000%	63.750	0.000	63.750
Jurupa Community Services District	3.759%		14,060.392		52.528%	319.515	787.915	1,107.430
Marygold Mutual Water Company	1.195%		0.000		0.000%	101.575	0.000	101.575
Monte Vista Irrigation Company	1.234%		0.000		0.000%	104.890	0.000	104.890
Monte Vista Water District	8.797%		55.075		0.206%	747.745	3.086	750.831
Niagara Bottling, LLC	0.000%		0.000		0.000%	0.000	0.000	0.000
Nicholson Trust	0.007%		0.000		0.000%	0.595	0.000	0.595
Norco, City of	0.368%		0.000		0.000%	31.280	0.000	31.280
Ontario, City of	20.742%		2,136.725		7.983%	1,763.070	119.738	1,882.808
Pomona, City of	20.454%		0.000		0.000%	1,738.590	0.000	1,738.590
San Antonio Water Company	2.748%		0.000		0.000%	233.580	0.000	233.580
San Bernardino, County of (Shooting Park)	0.000%		0.000		0.000%	0.000	0.000	0.000
Santa Ana River Water Company	2.373%		0.000		0.000%	201.705	0.000	201.705
Upland, City of	5.202%		0.000		0.000%	442.170	0.000	442.170
West End Consolidated Water Co	1.728%		0.000		0.000%	146.880	0.000	146.880
West Valley Water District	1.175%		0.000		0.000%	99.875	0.000	99.875
	100.000%		26,767.578		100.000%	8,500.000	1,500.000	10,000.000

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**Appropriative Pool Desalter Replenishment Obligation Contributions - Production Year 2015/16**

Production Year 2015/16 Desalter Replenishment Obligation (DRO) Contribution:

10,000.000 AF

Appropriative Pool Party	Production Year 2015/16 Common Data (Headings from Approved 2016/2017 Assessment Package)			Methodology for 85/15 split between shares of Operating Safe Yield and % of Land Use Conversions		
	a	b	c = %b	d = (DRO Contrib*.85)*a	e = (DRO Contrib*.15)*c	f = d + e
	Percent of Operating Safe Yield (Column 2A)	Land Use Conversions (Page 12A)*	Percent of Land Conversions Use	85% DRO Contribution Based on Percent of Operating Safe Yield	15% DRO Contribution Based on Percent of Land Use Conversions	Desalter Replenishment Obligation Contribution
Arrowhead Mtn Spring Water Co	0.000%	0.000	0.000%	0.000	0.000	0.000
Chino Hills, City of	3.851%	1,222.774	4.455%	327.335	66.818	394.153
Chino, City of	7.357%	8,309.518	30.271%	625.345	454.069	1,079.414
Cucamonga Valley Water District	6.601%	598.364	2.180%	561.085	32.697	593.782
Fontana Union Water Company	11.657%	0.000	0.000%	990.845	0.000	990.845
Fontana Water Company	0.002%	834.000	3.038%	0.170	45.573	45.743
Fontana, City of	0.000%	0.000	0.000%	0.000	0.000	0.000
Golden State Water Company	0.750%	0.000	0.000%	63.750	0.000	63.750
Jurupa Community Services District	3.759%	14,201.712	51.736%	319.515	776.045	1,095.560
Marygold Mutual Water Company	1.195%	0.000	0.000%	101.575	0.000	101.575
Monte Vista Irrigation Company	1.234%	0.000	0.000%	104.890	0.000	104.890
Monte Vista Water District	8.797%	67.615	0.246%	747.745	3.695	751.440
Niagara Bottling, LLC	0.000%	0.000	0.000%	0.000	0.000	0.000
Nicholson Trust	0.007%	0.000	0.000%	0.595	0.000	0.595
Norco, City of	0.368%	0.000	0.000%	31.280	0.000	31.280
Ontario, City of	20.742%	2,216.205	8.074%	1,763.070	121.103	1,884.173
Pomona, City of	20.454%	0.000	0.000%	1,738.590	0.000	1,738.590
San Antonio Water Company	2.748%	0.000	0.000%	233.580	0.000	233.580
San Bernardino, County of (Shooting Park)	0.000%	0.000	0.000%	0.000	0.000	0.000
Santa Ana River Water Company	2.373%	0.000	0.000%	201.705	0.000	201.705
Upland, City of	5.202%	0.000	0.000%	442.170	0.000	442.170
West End Consolidated Water Co	1.728%	0.000	0.000%	146.880	0.000	146.880
West Valley Water District	1.175%	0.000	0.000%	99.875	0.000	99.875
	100.000%	27,450.188	100.000%	8,500.000	1,500.000	10,000.000

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**Appropriative Pool Desalter Replenishment Obligation Contributions - Production Year 2016/17**

Production Year 2016/17 Desalter Replenishment Obligation (DRO) Contribution:

10,000.000 AF

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Appropriative Pool Party	Production Year 2016/17 Common Data (Headings from Approved 2017/2018 Assessment Package)			Methodology for 85/15 split between shares of Operating Safe Yield and % of Land Use Conversions		
	a	b	c = %b	d = (DRO Contrib*.85)*a	e = (DRO Contrib*.15)*c	f = d + e
	Percent of Operating Safe Yield (Column 2A)	Land Use Conversions (Page 12A)*	Percent of Land Conversions Use	85% DRO Contribution Based on Percent of Operating Safe Yield	15% DRO Contribution Based on Percent of Land Use Conversions	Desalter Replenishment Obligation Contribution
Arrowhead Mtn Spring Water Co	0.000%	0.000	0.000%	0.000	0.000	0.000
Chino Hills, City of	3.851%	1,222.774	4.321%	327.335	64.821	392.156
Chino, City of	7.357%	8,455.798	29.884%	625.345	448.257	1,073.602
Cucamonga Valley Water District	6.601%	598.364	2.115%	561.085	31.720	592.805
Fontana Union Water Company	11.657%	0.000	0.000%	990.845	0.000	990.845
Fontana Water Company	0.002%	834.000	2.947%	0.170	44.212	44.382
Fontana, City of	0.000%	0.000	0.000%	0.000	0.000	0.000
Golden State Water Company	0.750%	0.000	0.000%	63.750	0.000	63.750
Jurupa Community Services District	3.759%	14,605.072	51.616%	319.515	774.240	1,093.755
Marygold Mutual Water Company	1.195%	0.000	0.000%	101.575	0.000	101.575
Monte Vista Irrigation Company	1.234%	0.000	0.000%	104.890	0.000	104.890
Monte Vista Water District	8.797%	67.615	0.239%	747.745	3.584	751.329
Niagara Bottling, LLC	0.000%	0.000	0.000%	0.000	0.000	0.000
Nicholson Trust	0.007%	0.000	0.000%	0.595	0.000	0.595
Norco, City of	0.368%	0.000	0.000%	31.280	0.000	31.280
Ontario, City of	20.742%	2,511.989	8.878%	1,763.070	133.165	1,896.235
Pomona, City of	20.454%	0.000	0.000%	1,738.590	0.000	1,738.590
San Antonio Water Company	2.748%	0.000	0.000%	233.580	0.000	233.580
San Bernardino, County of (Shooting Park)	0.000%	0.000	0.000%	0.000	0.000	0.000
Santa Ana River Water Company	2.373%	0.000	0.000%	201.705	0.000	201.705
Upland, City of	5.202%	0.000	0.000%	442.170	0.000	442.170
West End Consolidated Water Co	1.728%	0.000	0.000%	146.880	0.000	146.880
West Valley Water District	1.175%	0.000	0.000%	99.875	0.000	99.875
	100.000%	28,295.612	100.000%	8,500.000	1,500.000	10,000.000



**Appropriative Pool Desalter Replenishment Obligation Contributions - Production Year 2013/14 - 2016/17**

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Appropriative Pool Party	Production Years				
	2013/14	2014/15	2015/16	2016/17	TOTAL
	Arrowhead Mtn Spring Water Co	-	-	-	-
Chino Hills, City of	392.35	395.86	394.15	392.16	1,574.514
Chino, City of	1,062.42	1,065.82	1,079.41	1,073.60	4,281.252
Cucamonga Valley Water District	595.39	594.62	593.78	592.81	2,376.596
Fontana Union Water Company	990.85	990.85	990.85	990.85	3,963.380
Fontana Water Company	47.99	46.91	45.74	44.38	185.019
Fontana, City of	-	-	-	-	0.000
Golden State Water Company	63.75	63.75	63.75	63.75	255.000
Jurupa Community Services District	1,115.12	1,107.43	1,095.56	1,093.76	4,411.862
Marygold Mutual Water Company	101.58	101.58	101.58	101.58	406.300
Monte Vista Irrigation Company	104.89	104.89	104.89	104.89	419.560
Monte Vista Water District	750.90	750.83	751.44	751.33	3,004.503
Niagara Bottling, LLC	-	-	-	-	0.000
Nicholson Trust	0.60	0.60	0.60	0.60	2.380
Norco, City of	31.28	31.28	31.28	31.28	125.120
Ontario, City of	1,880.10	1,882.81	1,884.17	1,896.23	7,543.314
Pomona, City of	1,738.59	1,738.59	1,738.59	1,738.59	6,954.360
San Antonio Water Company	233.58	233.58	233.58	233.58	934.320
San Bernardino, County of (Shooting Park)	-	-	-	-	0.000
Santa Ana River Water Company	201.71	201.71	201.71	201.71	806.820
Upland, City of	442.17	442.17	442.17	442.17	1,768.680
West End Consolidated Water Co	146.88	146.88	146.88	146.88	587.520
West Valley Water District	99.88	99.88	99.88	99.88	399.500
	10,000.00	10,000.00	10,000.00	10,000.00	40,000.000

**Appropriative Pool: Remaining Desalter Replenishment Obligation (RDRO) - Production Year 2013-14**

Remaining Desalter Replenishment Obligation (RDRO):

CDA Production - Peace I Allocation	29,227.997
CDA Production - Peace II Allocation	14.555
Total Desalter Replenishment Obligation (Total DRO):	<u>29,242.552</u>
Desalter Replenishment Obligation Contribution (DROC)	<b>(10,000.000)</b>
Reoperation Water (approved in Peace II)	<b>(12,500.000)</b>
RDRO	<u>6,742.552</u>

acre-feet

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Appropriative Pool Party	Operating Safe Yield	Production Year 2013/14 Common Data (From Approved 2014/2015 Assessment Package - Appendix A)					Methodology for Calculation of Adjusted Physical Production (APP)	Methodology for Calculation of "RDRO"
	a	b	c	d	e	f	APP = [b+(c*50%)+d+e+f]	Individual Party RDRO = ((a+APP)/(Total a + Total APP)) * RDRO
	Assessment Paackage Page 2A: Column 2D	Physical Production	Voluntary Agreements (w/Ag)	Assignments (w/Non-Ag)	Storage and Recovery Programs	Other Adjustments	*Note: APP for City of Chino does not include "Other Adjustments" for this period	
Arrowhead Mtn Spring Water Co	0.000	379.111	0.000	0.000	0.000	0.000	379.111	15.905
Chino Hills, City of	2,111.422	2,150.925	(286.221)	0.000	0.000	5,359.300	7,367.115	397.669
Chino, City of	4,033.857	6,725.430	(6,686.440)	(104.278)	0.000	65.288	3,277.932	306.764
Cucamonga Valley Water District	3,619.454	16,121.550	0.000	0.000	0.000	0.000	16,121.550	828.227
Fontana Union Water Company	6,391.736	0.000	0.000	0.000	0.000	0.000	0.000	268.163
Fontana Water Company	1.000	15,377.579	0.000	0.000	0.000	0.000	15,377.579	645.203
Fontana, City of	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Golden State Water Company	411.476	736.362	0.000	0.000	0.000	0.000	736.362	48.157
Jurupa Community Services District	2,061.118	18,406.630	0.000	(379.499)	0.000	(8.784)	18,018.347	842.427
Marygold Mutual Water Company	655.317	1,314.734	0.000	0.000	0.000	0.000	1,314.734	82.653
Monte Vista Irrigation Company	676.759	0.000	0.000	0.000	0.000	0.000	0.000	28.393
Monte Vista Water District	4,823.954	12,521.892	(151.480)	0.000	0.000	(5,371.667)	7,074.485	499.195
Niagara Bottling, LLC	0.000	1,342.588	0.000	0.000	0.000	0.000	1,342.588	56.328
Nicholson Trust	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.168
Norco, City of	201.545	0.000	0.000	0.000	0.000	0.000	0.000	8.456
Ontario, City of	11,373.816	21,980.342	(4,428.101)	(1,855.196)	0.000	0.000	17,911.096	1,228.639
Pomona, City of	11,215.852	12,909.293	0.000	0.000	0.000	0.000	12,909.293	1,012.163
San Antonio Water Company	1,506.888	1,159.242	0.000	0.000	0.000	0.000	1,159.242	111.857
San Bernardino, County of (Shooting Park)	0.000	16.390	0.000	0.000	0.000	0.000	16.390	0.688
Santa Ana River Water Company	1,301.374	0.000	0.000	0.000	0.000	48.515	48.515	56.634
Upland, City of	2,852.401	2,822.046	0.000	0.000	0.000	0.000	2,822.046	238.070
West End Consolidated Water Co	947.714	0.000	0.000	0.000	0.000	0.000	0.000	39.761
West Valley Water District	644.317	0.000	0.000	0.000	0.000	0.000	0.000	27.032
	54,834.000	113,964.114	(11,552.242)	(2,338.973)	0.000	92.652	105,876.384	6,742.552

Appropriative Pool: Remaining Desalter Replenishment Obligation - Production Year 2013/14

2014/15

Remaining Desalter Replenishment Obligation (RDRO):

	acre-feet
CDA Production - Peace I Allocation	29,541.000
CDA Production - Peace II Allocation	449.000
Total Desalter Replenishment Obligation (Total DRO):	29,990.000
Desalter Replenishment Obligation Contribution (DROC)	(10,000.000)
Reoperation Water (approved in Peace II)	(12,500.000)
RDRO	7,490.000

Appropriative Pool Party	Operating Safe Yield	Production Year 2014/15 Common Data (From Approved 2015/2016 Assessment Package - Appendix A)					Methodology for Calculation of Adjusted Physical Production (APP)	Methodology for Calculation of "RDRO"
	a	b	c	d	e	f	APP = [b+(c*50%)+d+e+f]	Individual Party RDRO = ((a+APP)/(Total a + Total APP)) * RDRO
	Assessment Paackage Page 2A: Column 2D	Physical Production	Voluntary Agreements (w/Ag)	Assignments (w/Non-Ag)	Storage and Recovery Programs	Other Adjustments	*Note: APP for City of Chino does not include "Other Adjustments" for this period	
Arrowhead Mtn Spring Water Co	0.000	426.139	0.000	0.000	0.000	0.000	426.139	22.092
Chino Hills, City of	2,111.422	3,757.338	(96.029)	0.000	0.000	0.000	3,709.324	301.763
Chino, City of	4,033.857	6,546.044	(6,460.660)	(90.247)	0.000	4.863	3,225.467	376.343
Cucamonga Valley Water District	3,619.454	14,639.960	0.000	0.000	0.000	0.000	14,639.960	946.618
Fontana Union Water Company	6,391.736	0.000	0.000	0.000	0.000	0.000	0.000	331.365
Fontana Water Company	1.000	13,344.225	0.000	0.000	0.000	0.000	13,344.225	691.853
Fontana, City of	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Golden State Water Company	411.476	720.259	0.000	0.000	0.000	0.000	720.259	58.672
Jurupa Community Services District	2,061.118	12,805.464	0.000	(370.990)	0.000	32.103	12,466.577	753.156
Marygold Mutual Water Company	655.317	1,250.349	0.000	0.000	0.000	0.000	1,250.349	98.795
Monte Vista Irrigation Company	676.759	0.000	0.000	0.000	0.000	0.000	0.000	35.085
Monte Vista Water District	4,823.954	7,401.629	(132.454)	0.000	0.000	(387.636)	6,947.766	610.278
Niagara Bottling, LLC	0.000	1,859.765	0.000	0.000	0.000	0.000	1,859.765	96.415
Nicholson Trust	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207
Norco, City of	201.545	0.000	0.000	0.000	0.000	0.000	0.000	10.449
Ontario, City of	11,373.816	17,675.687	(4,388.312)	(1,856.735)	0.000	0.000	13,624.796	1,295.997
Pomona, City of	11,215.852	12,520.382	0.000	0.000	0.000	0.000	12,520.382	1,230.551
San Antonio Water Company	1,506.888	1,479.087	0.000	0.000	0.000	0.000	1,479.087	154.801
San Bernardino, County of (Shooting Park)	0.000	10.868	0.000	0.000	0.000	0.000	10.868	0.563
Santa Ana River Water Company	1,301.374	0.000	0.000	0.000	0.000	0.000	0.000	67.467
Upland, City of	2,852.401	3,416.416	0.000	0.000	0.000	0.000	3,416.416	324.993
West End Consolidated Water Co	947.714	0.000	0.000	0.000	0.000	0.000	0.000	49.132
West Valley Water District	644.317	0.000	0.000	0.000	0.000	0.000	0.000	33.403
	54,834.000	97,853.612	(11,077.455)	(2,317.972)	0.000	(350.670)	89,641.380	7,490.000

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Appropriative Pool: Remaining Desalter Replenishment Obligation - Production Year 2013/14

2015/16

Remaining Desalter Replenishment Obligation (RDRO):

CDA Production - Peace I Allocation	27,009.000
CDA Production - Peace II Allocation	1,154.000
Total Desalter Replenishment Obligation (Total DRO):	<u>28,163.000</u>
Desalter Replenishment Obligation Contribution (DROC)	(10,000.000)
Reoperation Water (approved in Peace II)	(12,500.000)
Non-Ag Pool Contribution	<u>0.000</u>
RDRO	5,663.000

acre-feet

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Appropriative Pool Party	Operating Safe Yield	Production Year 2015/16 Common Data (From Approved 2016/17 Assessment Package - Appendix A)					Methodology for Calculation of Adjusted Physical Production (APP)	Methodology for Calculation of "RDRO"
	a	b	c	d	e	f	APP = [b+(c*50%)+d+e+f]	Individual Party RDRO = ((a+APP)/(Total a + Total APP)) * RDRO
	Assessment Paackage Page 2A: Column 2D	Physical Production	Voluntary Agreements (w/Ag)	Assignments (w/Non-Ag)	Storage and Recovery Programs	Other Adjustments	*Note: APP for City of Chino does not include "Other Adjustments" for this period	
Arrowhead Mtn Spring Water Co	0.000	356.162	0.000	0.000	0.000	0.000	356.162	13.551
Chino Hills, City of	2,111.422	1,633.459	(85.178)	0.000	0.000	0.000	1,590.870	140.859
Chino, City of	4,033.857	5,009.976	(5,488.140)	(43.133)	0.000	521.297	2,222.773	238.043
Cucamonga Valley Water District	3,619.454	20,537.150	0.000	0.000	0.000	(2.410)	20,534.740	918.984
Fontana Union Water Company	6,391.736	0.000	0.000	0.000	0.000	0.000	0.000	243.183
Fontana Water Company	1.000	15,317.165	0.000	0.000	0.000	0.000	15,317.165	582.803
Fontana, City of	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Golden State Water Company	411.476	807.419	0.000	0.000	0.000	0.000	807.419	46.375
Jurupa Community Services District	2,061.118	9,283.627	0.000	(358.622)	0.000	27.748	8,952.753	419.040
Marygold Mutual Water Company	655.317	752.723	0.000	0.000	0.000	0.000	752.723	53.571
Monte Vista Irrigation Company	676.759	0.000	0.000	0.000	0.000	0.000	0.000	25.748
Monte Vista Water District	4,823.954	8,358.319	(117.688)	0.000	0.000	(36.910)	8,262.565	497.897
Niagara Bottling, LLC	0.000	1,774.574	0.000	0.000	0.000	0.000	1,774.574	67.516
Nicholson Trust	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.152
Norco, City of	201.545	0.000	0.000	0.000	0.000	0.000	0.000	7.668
Ontario, City of	11,373.816	22,849.257	(3,559.596)	(1,235.830)	0.000	0.000	19,833.629	1,187.335
Pomona, City of	11,215.852	9,963.663	0.000	0.000	0.000	0.000	9,963.663	805.807
San Antonio Water Company	1,506.888	1,030.847	0.000	0.000	0.000	0.000	1,030.847	96.552
San Bernardino, County of (Shooting Park)	0.000	9.396	0.000	0.000	0.000	0.000	9.396	0.357
Santa Ana River Water Company	1,301.374	0.000	0.000	0.000	0.000	0.000	0.000	49.513
Upland, City of	2,852.401	2,600.725	0.000	0.000	0.000	0.000	2,600.725	207.473
West End Consolidated Water Co	947.714	0.000	0.000	0.000	0.000	0.000	0.000	36.057
West Valley Water District	644.317	0.000	0.000	0.000	0.000	0.000	0.000	24.514
	54,834.000	100,284.462	(9,250.602)	(1,637.585)	0.000	509.725	94,010.004	5,663.000



Appropriative Pool: Remaining Desalter Replenishment Obligation - Production Year 2013/14

2016/17

Remaining Desalter Replenishment Obligation (RDRO):

	acre-feet
CDA Production - Peace I Allocation	26,726.000
CDA Production - Peace II Allocation	1,527.000
<b>Total Desalter Replenishment Obligation (Total DRO):</b>	<b>28,253.000</b>
Desalter Replenishment Obligation Contribution (DROC)	<b>(10,000.000)</b>
Reoperation Water (approved in Peace II)	<b>(12,500.000)</b>
Non-Ag Pool Contribution	<b>(735.000)</b>
<b>RDRO</b>	<b>5,018.000</b>

Appropriative Pool Party	Operating Safe Yield	Production Year 2015/16 Common Data (From Approved 2016/17 Assessment Package - Appendix A)					Methodology for Calculation of Adjusted Physical Production (APP)	Methodology for Calculation of "RDRO"
	a	b	c	d	e	f	APP = [b+(c*50%)+d+e+f]	Individual Party RDRO = ((a+APP)/(Total a + Total APP)) * RDRO
	Assessment Paackage Page 2A: Column 2D	Physical Production	Voluntary Agreements (w/Ag)	Assignments (w/Non-Ag)	Storage and Recovery Programs	Other Adjustments	*Note: APP for City of Chino does not include "Other Adjustments" for this period	
Arrowhead Mtn Spring Water Co	0.000	367.348	0.000	0.000	0.000	0.000	367.348	13.019
Chino Hills, City of	2,111.422	2,246.284	(94.257)	0.000	0.000	0.000	2,199.156	152.769
Chino, City of	4,033.857	4,971.503	(4,531.420)	(51.143)	0.000	0.000	2,654.650	237.044
Cucamonga Valley Water District	3,619.454	16,561.990	0.000	0.000	0.000	0.000	16,561.990	715.239
Fontana Union Water Company	6,391.736	0.000	0.000	0.000	0.000	0.000	0.000	226.526
Fontana Water Company	1.000	13,250.493	0.000	0.000	0.000	0.000	13,250.493	469.639
Fontana, City of	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Golden State Water Company	411.476	850.347	0.000	0.000	0.000	0.000	850.347	44.720
Jurupa Community Services District	2,061.118	11,497.599	0.000	(505.790)	0.000	31.408	11,023.217	463.715
Marygold Mutual Water Company	655.317	618.563	0.000	0.000	0.000	0.000	618.563	45.147
Monte Vista Irrigation Company	676.759	0.000	0.000	0.000	0.000	0.000	0.000	23.985
Monte Vista Water District	4,823.954	7,086.159	(125.309)	(17.784)	0.000	(78.112)	6,927.609	416.481
Niagara Bottling, LLC	0.000	1,531.557	0.000	0.000	0.000	0.000	1,531.557	54.279
Nicholson Trust	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.142
Norco, City of	201.545	0.000	0.000	0.000	0.000	0.000	0.000	7.143
Ontario, City of	11,373.816	24,839.724	(4,222.013)	(1,647.489)	0.000	0.000	21,081.229	1,150.221
Pomona, City of	11,215.852	8,066.802	0.000	0.000	0.000	0.000	8,066.802	683.386
San Antonio Water Company	1,506.888	537.746	0.000	0.000	0.000	0.000	537.746	72.463
San Bernardino, County of (Shooting Park)	0.000	13.037	0.000	0.000	0.000	0.000	13.037	0.462
Santa Ana River Water Company	1,301.374	0.000	0.000	0.000	0.000	0.000	0.000	46.121
Upland, City of	2,852.401	1,259.776	0.000	0.000	0.000	(187.860)	1,071.916	139.080
West End Consolidated Water Co	947.714	0.000	0.000	0.000	0.000	0.000	0.000	33.587
West Valley Water District	644.317	0.000	0.000	0.000	0.000	0.000	0.000	22.835
	54,834.000	93,698.928	(8,972.999)	(2,222.206)	0.000	(234.564)	86,755.659	5,018.000

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**Appropriative Pool: Remaining Desalter Replenishment Obligation**

Production Year **2013-17**

Appropriative Pool Party	RDRO				Total
	PY 13-14	PY 14-15	PY 15-16	PY 16-17	
Arrowhead Mtn Spring Water Co	15.905	22.092	13.551	13.019	64.567
Chino Hills, City of	397.669	301.763	140.859	152.769	993.061
Chino, City of	306.764	376.343	238.043	237.044	1,158.194
Cucamonga Valley Water District	828.227	946.618	918.984	715.239	3,409.068
Fontana Union Water Company	268.163	331.365	243.183	226.526	1,069.238
Fontana Water Company	645.203	691.853	582.803	469.639	2,389.498
Fontana, City of	0.000	0.000	0.000	0.000	0.000
Golden State Water Company	48.157	58.672	46.375	44.720	197.924
Jurupa Community Services District	842.427	753.156	419.040	463.715	2,478.337
Marygold Mutual Water Company	82.653	98.795	53.571	45.147	280.166
Monte Vista Irrigation Company	28.393	35.085	25.748	23.985	113.211
Monte Vista Water District	499.195	610.278	497.897	416.481	2,023.851
Niagara Bottling, LLC	56.328	96.415	67.516	54.279	274.539
Nicholson Trust	0.168	0.207	0.152	0.142	0.669
Norco, City of	8.456	10.449	7.668	7.143	33.715
Ontario, City of	1,228.639	1,295.997	1,187.335	1,150.221	4,862.192
Pomona, City of	1,012.163	1,230.551	805.807	683.386	3,731.907
San Antonio Water Company	111.857	154.801	96.552	72.463	435.673
San Bernardino, County of (Shooting Park)	0.688	0.563	0.357	0.462	2.071
Santa Ana River Water Company	56.634	67.467	49.513	46.121	219.735
Upland, City of	238.070	324.993	207.473	139.080	909.614
West End Consolidated Water Co	39.761	49.132	36.057	33.587	158.538
West Valley Water District	27.032	33.403	24.514	22.835	107.784
	6,742.552	7,490.000	5,663.000	5,018.000	24,913.552

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# CHINO BASIN WATERMASTER

## IV. INFORMATION

1. Cash Disbursements for May 2018

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/03/2018	ACH 050318	CALPERS	1394905143	1012 · Bank of America Gen'l Ckg	
Bill	04/18/2018	1394905143		1394905143	60182.1 · Medical Insurance	8,440.38
TOTAL						8,440.38
General Journal	05/05/2018	05/05/2018	Payroll and Taxes for 04/22/18-05/05/18	Payroll and Taxes for 04/22/18-05/05/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 04/22/18-05/05/18	1012 · Bank of America Gen'l Ckg	26,160.26
				Payroll Taxes for 04/22/18-05/05/18	1012 · Bank of America Gen'l Ckg	8,423.45
			ICMA-RC	457(b) Employee Deductions for 04/22/18-05/05/18	1012 · Bank of America Gen'l Ckg	4,738.05
			ICMA-RC	401(a) Employee Deductions for 04/22/18-05/05/18	1012 · Bank of America Gen'l Ckg	1,303.27
TOTAL						40,625.03
Bill Pmt -Check	05/10/2018	20775	ACCENT COMPUTER SOLUTIONS, INC.	IT Managed Services - Hardware Purchases	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	121316		ETF laptop-balance due	6055 · Computer Hardware	1,431.91
Bill	04/30/2018	121411		Wireless access points-balance due	6055 · Computer Hardware	1,680.89
TOTAL						3,112.80
Bill Pmt -Check	05/10/2018	20776	APPLIED COMPUTER TECHNOLOGIES	2973	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	2973		Database Consulting - April 2018	6052.2 · Applied Computer Technol	4,815.40
TOTAL						4,815.40
Bill Pmt -Check	05/10/2018	20777	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 · Bank of America Gen'l Ckg	
Bill	04/28/2018	XXXX-XXXX-XXXX-9341		Toner cartridges for CFO's printer	6031.7 · Other Office Supplies	249.00
				Overwatch/firewall - 50% deposit	6055 · Computer Hardware	1,750.00
				Cloud/FTP replacement - 50% deposit	6055 · Computer Hardware	900.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	327.68
				Office Timeline software	6054 · Computer Software	59.00
				Microsoft software	6054 · Computer Software	99.00
				Reception desk phone headset	6031.7 · Other Office Supplies	15.99
				RZ laptop-50% deposit	6055 · Computer Hardware	1,217.94
				Miscellaneous office supplies	6031.7 · Other Office Supplies	311.10
				Registration-RZ-AWWA Sampling Wkshp	6193.2 · Conference - Registration Fee	375.00
				Registration-JN & ETF-AWWA Sampling Wkshp	6193.2 · Conference - Registration Fee	550.00
				Books for office - shorthand	6031.7 · Other Office Supplies	33.40
				Books for office - business writing / minute taking	6031.7 · Other Office Supplies	38.25
				Lunch for storage framework meeting	7604 · PE8&9-Supplies	105.44
				PK flight to ACWA Spring Conference	6191 · Conferences - General	141.96
				Early-bird check in on above flight	6191 · Conferences - General	15.00
				Early-bird check in on above flight	6191 · Conferences - General	15.00
				Laptop bag - ETF	6031.7 · Other Office Supplies	49.99

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TOTAL

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Webcam cover - ETF	6031.7 · Other Office Supplies	6.99
				Toner cartridges for office	6031.7 · Other Office Supplies	80.79
				PK meeting w/Geye	8512 · Meeting Expense	64.73
				Lunch for team prep for OBMP Scope Workshop	6909.1 · OBMP Meetings	85.00
				Lunch for WM meeting w/Ag Pool reps	8412 · Meeting Expenses	64.88
				Lunch for WM counsel for meeting w/Ag Pool reps	8412 · Meeting Expenses	13.60
				Lunch for OBMP Scope Workshop	6909.1 · OBMP Meetings	221.00
				Miscellaneous office supplies	6031.7 · Other Office Supplies	52.89
				PK mtg w/Elie	6312 · Meeting Expenses	50.87
				PK mtg w/Hoerning	8312 · Meeting Expenses	32.51
				PK mtg w/Bowcock	6312 · Meeting Expenses	37.42
				PK registration-First Annual Groundwater Sustaina	6193.2 · Conference - Registration Fee	430.00
				PK meeting w/Layton, Jew	8312 · Meeting Expenses	59.78
TOTAL						<u>7,454.21</u>
Bill Pmt -Check	05/10/2018	20778	CORELOGIC INFORMATION SOLUTIONS	81888867	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	81888867		81888867	7103.7 · Grdwtr Qual-Computer Svc	62.50
				81888867	7101.4 · Prod Monitor-Computer	62.50
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/10/2018	20779	DE BOOM, NATHAN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool mtg		4/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				4/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/10/2018	20780	DE HAAN, HENRY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				4/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/10/2018	20781	DI PRIMIO, ROBERT	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/11/2018	4/11 Admin Mtg		4/11/18 meeting w/PK & attorneys re Settlement Pi	6311 · Board Member Compensation	125.00
Bill	04/16/2018	4/16 Admin Mtg		4/16/18 meeting w/PK & attorneys re Settlement Pi	6311 · Board Member Compensation	125.00
Bill	04/23/2018	4/23 Admin Mtg		4/23/18 meeting w/PK & attorneys re Settlement Pi	6311 · Board Member Compensation	125.00
Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board Meeting	6311 · Board Member Compensation	125.00
Bill	04/30/2018	4/30 Admin Mtg		4/30/18 meeting w/PK & attorneys re Settlement Pi	6311 · Board Member Compensation	125.00
TOTAL						<u>625.00</u>
Bill Pmt -Check	05/10/2018	20782	EGOSCUE LAW GROUP, INC.	11938	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	11938		Ag Pool Legal Service - April 2018	8467 · Ag Legal & Technical Services	34,362.50

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

	Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL							34,362.50
	Bill Pmt -Check	05/10/2018	20783	ELIE, STEVEN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/25/2018	4/25 Admin Mtg		4/25/18 Administrative meeting	6311 · Board Member Compensation	125.00
	Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board meeting	6311 · Board Member Compensation	125.00
TOTAL							250.00
	Bill Pmt -Check	05/10/2018	20784	FEDAK & BROWN LLP	Audit Services	1012 · Bank of America Gen'l Ckg	
	Bill	04/30/2018			Progress Billing - April 2018	6062 · Audit Services	5,160.00
TOTAL							5,160.00
	Bill Pmt -Check	05/10/2018	20785	FEENSTRA, BOB	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
	Bill	04/23/2018	4/23 Admin Mtg		4/23/18 Administrative meeting	8470 · Ag Meeting Attend -Special	125.00
	Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
TOTAL							375.00
	Bill Pmt -Check	05/10/2018	20786	FILIPPI, GINO	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/26/2018	4/26 Board Meeting		4/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL							125.00
	Bill Pmt -Check	05/10/2018	20787	GEYE, BRIAN	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/19/2018	4/19 RMPU Mtg		4/19/18 RMPU Steering Committee meeting	6311 · Board Member Compensation	125.00
	Bill	04/24/2018	4/24 Budget Mtg		4/24/18 Budget meeting	6311 · Board Member Compensation	125.00
	Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL							375.00
	Bill Pmt -Check	05/10/2018	20788	KAVOUNAS, PETER	Travel Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
	Bill	04/30/2018			Travel Expense Reimbursement	6191 · Conferences - General	125.61
TOTAL							125.61
	Bill Pmt -Check	05/10/2018	20789	KUHN, BOB	Board Member Compensation	1012 · Bank of America Gen'l Ckg	
	Bill	04/02/2018	4/02/18 Conf Call		4/02/18 conference call w/attorneys and board	6311 · Board Member Compensation	125.00
	Bill	04/19/2018	4/19 Advisory Comm		4/19/18 Advisory Committee meeting	6311 · Board Member Compensation	125.00
TOTAL							250.00
	Bill Pmt -Check	05/10/2018	20790	McMASTER-CARR SUPPLY CO	62299210	1012 · Bank of America Gen'l Ckg	
	Bill	05/02/2018	62299210		GW level supplies	7104.7 · Grdwtr Level-WM Staff-Cap Equip	48.34
TOTAL							48.34

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/10/2018	20791	PAYCHEX	201802600	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	2018042600		April 2018	6012 · Payroll Services	327.50
TOTAL						327.50
Bill Pmt -Check	05/10/2018	20792	PIERSON, JEFFREY	Ag Pool and Board Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool meeting	8411 · Compensation	25.00
				4/12/18 Ag Pool meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/19/2018	4/19 Advisory Comm		4/19/18 Advisory Committee meeting	8411 · Compensation	25.00
				4/19/18 Advisory Committee meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/19/2018	4/19 RIPCom Mtg		4/19/18 RIPCom meeting	8411 · Compensation	25.00
				4/19/18 RIPCom meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/23/2018	4/23 Admin Mtg		4/23/18 Administrative meeting	8411 · Compensation	25.00
				4/23/18 Administrative meeting	8470 · Ag Meeting Attend -Special	100.00
Bill	04/24/2018	4/24 Board Agena		4/24/18 Board Agenda Meeting	6311 · Board Member Compensation	125.00
Bill	04/26/2018	4/26 Board Meeting		4/26/18 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						750.00
Bill Pmt -Check	05/10/2018	20793	PIETERSMA, RONALD	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				4/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00
Bill Pmt -Check	05/10/2018	20794	PREMIERE GLOBAL SERVICES	25716466	1012 · Bank of America Gen'l Ckg	
Bill	04/28/2018	25716466		Pools agenda prep call on 4/03	8312 · Meeting Expenses	7.16
				Pools agenda prep call on 4/03	8412 · Meeting Expenses	7.16
				Pools agenda prep call on 4/03	8512 · Meeting Expense	7.15
				Non-Ag Pool mtg call on 4/12	8512 · Meeting Expense	9.08
				WM coordination call on 4/23	6909.1 · OBMP Meetings	6.22
				Fee - General	6022 · Telephone	49.00
				Fee - Confidential	6022 · Telephone	49.00
				Call on 3/28	6909.1 · OBMP Meetings	6.69
				OP Bands 3 and 4 scenario dev. call on 3/29	6909.1 · OBMP Meetings	9.53
				Attorney/GM call on 4/02	6909.1 · OBMP Meetings	6.20
				WM coordination call on 4/02	6909.1 · OBMP Meetings	13.08
				Attorney/GM call on 4/02	6909.1 · OBMP Meetings	25.62
				Pools agends prep call on 4/03	8312 · Meeting Expenses	2.07
				Pools agenda prep call on 4/03	8412 · Meeting Expenses	2.07
				Pools agenda prep call on 4/03	8512 · Meeting Expense	2.06
				WM coordination call on 4/09	6909.1 · OBMP Meetings	17.07
				Pool mtgs check call on 4/11	8312 · Meeting Expenses	5.92

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
				Pool mtgs check call on 4/11	8412 · Meeting Expenses	5.92
				Pool mtgs check call on 4/11	8512 · Meeting Expense	5.91
				WM coordination call on 4/16	6909.1 · OBMP Meetings	10.35
				WM coordination call on 4/16	6909.1 · OBMP Meetings	6.50
				WM coordination call on 4/23	6909.1 · OBMP Meetings	6.22
				Pomona extensometer call on 4/23	6909.1 · OBMP Meetings	20.65
				Board agenda preview call on 4/24	6312 · Meeting Expenses	6.22
				Board agenda preview call on 4/24	6312 · Meeting Expenses	6.22
				PK prep for mtg call on 4/26	6909.1 · OBMP Meetings	6.20
				Service fee	6022 · Telephone	11.18
TOTAL						310.45
Bill Pmt -Check	05/10/2018	20795	READY REFRESH BY NESTLE	0023230253	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	0023230253		Office Water Bottle - April 2018	6031.7 · Other Office Supplies	19.37
TOTAL						19.37
Bill Pmt -Check	05/10/2018	20796	RR FRANCHISING, INC.	55382	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2018	55382		Monthly service - May 2018	6024 · Building Repair & Maintenance	740.00
TOTAL						740.00
Bill Pmt -Check	05/10/2018	20797	STAPLES BUSINESS ADVANTAGE	8049701668	1012 · Bank of America Gen'l Ckg	
Bill	04/28/2018	8049701668		Miscellaneous office supplies	6031.7 · Other Office Supplies	82.27
TOTAL						82.27
Bill Pmt -Check	05/10/2018	20798	STATE COMPENSATION INSURANCE FUND	1970970-17	1012 · Bank of America Gen'l Ckg	
Bill	05/01/2018	1970970-17		Monthly premium 4/26/18-5/26/18	60183 · Worker's Comp Insurance	520.50
TOTAL						520.50
Bill Pmt -Check	05/10/2018	20799	TELLEZ-FOSTER, EDGAR	Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	04/25/2018	04/25/18 Meeting		Meeting w/Andy Campbell (IEUA)	6312 · Meeting Expenses	56.00
TOTAL						56.00
Bill Pmt -Check	05/10/2018	20800	UNION 76	7076-2245-3035-5049	1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	7076224530355049		Vehicle Fuel - April 2018	6175 · Vehicle Fuel	347.81
TOTAL						347.81
Bill Pmt -Check	05/10/2018	20801	VANDEN HEUVEL, GEOFFREY	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool Mtg	8411 · Compensation	25.00
				4/12/18 Ag Pool Mtg	8470 · Ag Meeting Attend -Special	100.00
TOTAL						125.00

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
May 2018

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount	
Bill Pmt -Check	05/10/2018	20802	VISION SERVICE PLAN	00-101789-0001	1012 · Bank of America Gen'l Ckg		
Bill	04/30/2018	001017890001		Vision Insurance Premium - May 2018	60182.2 · Dental & Vision Ins	88.20	
TOTAL						88.20	
Bill Pmt -Check	05/10/2018	20803	WESTERN MUNICIPAL WATER DISTRICT	Board Member Compensation	1012 · Bank of America Gen'l Ckg		
Bill	04/26/2018	4/26 Board Mtg		4/26/18 Board Meeting - Galleano attendance	6311 · Board Member Compensation	125.00	
TOTAL						125.00	
Bill Pmt -Check	05/10/2018	20804	YUKON DISPOSAL SERVICE	08-K2 213849	1012 · Bank of America Gen'l Ckg		
Bill	05/03/2018	08-k2 213849		May 2018	6024 · Building Repair & Maintenance	117.14	
TOTAL						117.14	
Bill Pmt -Check	05/10/2018	ACH 051018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg		
General Journal	05/05/2018	05/05/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 04/22/18-05/05/18	2000 · Accounts Payable	6,725.08	
TOTAL						6,725.08	
P 1 4 8	General Journal	05/19/2018	05/19/2018	Payroll and Taxes for 05/06/18-05/19/18	Payroll and Taxes for 05/06/18-05/19/18	1012 · Bank of America Gen'l Ckg	
				Direct Deposits for 05/06/18-05/19/18	1012 · Bank of America Gen'l Ckg	29,236.95	
				Payroll Taxes for 05/06/18-05/19/18	1012 · Bank of America Gen'l Ckg	9,441.12	
				ICMA-RC 457(b) Employee Deductions for 05/06/18-05/19/18	1012 · Bank of America Gen'l Ckg	4,738.05	
				ICMA-RC 401(a) Employee Deductions for 05/06/18-05/19/18	1012 · Bank of America Gen'l Ckg	1,303.27	
TOTAL						44,719.39	
Bill Pmt -Check	05/22/2018	20805	ACWA JOINT POWERS INSURANCE AUTHORITY	0551579	1012 · Bank of America Gen'l Ckg		
Bill	05/10/2018	0551579		Prepayment - June 2018	1409 · Prepaid Life, BAD&D & LTD	217.89	
				May 2018	60191 · Life & Disab.Ins Benefits	217.89	
TOTAL						435.78	
Bill Pmt -Check	05/22/2018	20806	BLOMQUIST, WILLIAM A.	Manuscript Update	1012 · Bank of America Gen'l Ckg		
Bill	05/09/2018			Payment number 3 of 4 for Blomquist report	6061.6 · Blomquist Report - Update	7,500.00	
TOTAL						7,500.00	
Bill Pmt -Check	05/22/2018	20807	CHEF DAVE'S CAFE & CATERING	8221	1012 · Bank of America Gen'l Ckg		
Bill	04/26/2018	8221		Lunch for 4/26/18 Watermaster Board meeting	6312 · Meeting Expenses	600.69	
TOTAL						600.69	
Bill Pmt -Check	05/22/2018	20808	EUROFINS EATON ANALYTICAL		1012 · Bank of America Gen'l Ckg		
Bill	04/30/2018	L0387827		L0387827	7108.4 · Hydraulic Control-Lab Svcs	440.00	
Bill	04/30/2018	L0387828		L0387828	7108.4 · Hydraulic Control-Lab Svcs	1,592.00	

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	Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL							2,032.00
	Bill Pmt -Check	05/22/2018	20809	FIRST LEGAL NETWORK LLC	40017534	1012 · Bank of America Gen'l Ckg	
	Bill	04/30/2018	40017534		Court filings on 4/02/18 and 4/24/18	6061.5 · Court Filing Services	155.88
TOTAL							155.88
	Bill Pmt -Check	05/22/2018	20810	RON SHELLEY'S AUTOMOTIVE	10287	1012 · Bank of America Gen'l Ckg	
	Bill	05/10/2018	10287		Maintenance for Expendition	6177 · Vehicle Repairs & Maintenance	67.52
TOTAL							67.52
	Bill Pmt -Check	05/22/2018	20811	WILDERMUTH ENVIRONMENTAL INC		1012 · Bank of America Gen'l Ckg	
	Bill	04/30/2018	2018101		2018101	6906.31 · OBMP-Pool, Adv. Board Mtgs	6,551.17
	Bill	04/30/2018	2018102		2018102	6906.32 · OBMP-Other General Meetings	9,903.46
	Bill	04/30/2018	2018103		2018103	6906.71 · OBMP-Data Req.-CBWM Staff	3,948.45
	Bill	04/30/2018	2018104		2018104	6906.72 · OBMP-Data Req.-Non CBWM Staff	1,275.90
	Bill	04/30/2018	2018105		2018105	6906 · OBMP Engineering Services	3,469.40
	Bill	04/30/2018	2018106		2018106	7103.3 · Grdwtr Qual-Engineering	14,827.53
	Bill	04/30/2018	20018107		2018107	7104.3 · Grdwtr Level-Engineering	15,663.20
	Bill	04/30/2018	2018108		2018108	7107.2 · Grd Level-Engineering	2,682.79
					WSP USA, Inc.	7107.6 · Grd Level-Contract Svcs	32,027.09
	Bill	04/30/2018	2018109		2018109	7108.31 · Hydraulic Control - PBHSP	21,845.30
	Bill	04/30/2018	2018110		2018110	7109.3 · Recharge & Well - Engineering	5,156.50
	Bill	04/30/2018	2018111		2018111	7202.2 · Engineering Svc	1,563.40
	Bill	04/30/2018	2018112		2018112	7402 · PE4-Engineering	7,764.25
	Bill	04/30/2018	2018113		2018113	7402.10 · PE4 - Northwest MZ1 Area Proj.	10,810.55
	Bill	04/30/2018	2018114		2018114	7502 · PE6&7-Engineering	7,758.37
	Bill	04/30/2018	2018115		2018115	7510 · PE6&7-IEUA Salinity Mgmt. Plan	20,105.40
	Bill	04/30/2018	2018116		2018116	7602 · PE8&9-Engineering	33,852.00
	Bill	04/30/2018	2018117		2018117	6906.27 · HCP Mtgs/Tech. Review-IEUA Cost	4,069.50
TOTAL							203,274.26
	Bill Pmt -Check	05/24/2018	ACH 052418	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	Bill	05/01/2018	15280080		Annual Unfunded Accrued Liability	60180 · Employers PERS Expense	4,348.52
TOTAL							4,348.52
	Bill Pmt -Check	05/24/2018	ACH 052418	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
	General Journal	05/19/2018	05/19/2018	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS Retirement for 05/06/18-05/19/18	2000 · Accounts Payable	6,725.08
TOTAL							6,725.08
	Bill Pmt -Check	05/25/2018	20812	CUCAMONGA VALLEY WATER DISTRICT	Rent Expense	1012 · Bank of America Gen'l Ckg	

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	05/22/2018			Office lease due June 1, 2018	1422 · Prepaid Rent	6,608.80
TOTAL						<u>6,608.80</u>
Bill Pmt -Check	05/25/2018	20813	GREAT AMERICA LEASING CORP.	22664379	1012 · Bank of America Gen'l Ckg	
Bill	05/21/2018	22664379		Invoice for May 2018	6043.1 · Ricoh Lease Fee	2,605.07
TOTAL						<u>2,605.07</u>
Bill Pmt -Check	05/25/2018	20814	HUITSING, JOHN	Ag Pool Member Compensation	1012 · Bank of America Gen'l Ckg	
Bill	04/12/2018	4/12 Ag Pool Mtg		4/12/18 Ag Pool Meeting	8411 · Compensation	25.00
				4/12/18 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	100.00
TOTAL						<u>125.00</u>
Bill Pmt -Check	05/25/2018	20815	LEGAL SHIELD	0111802	1012 · Bank of America Gen'l Ckg	
Bill	05/22/2018	0111802		Employee deductions - May 2018	60194 · Other Employee Insurance	79.70
TOTAL						<u>79.70</u>
Bill Pmt -Check	05/25/2018	20816	R&D PEST SERVICES	0228458	1012 · Bank of America Gen'l Ckg	
Bill	05/21/2018	0228458		Pest control	6024 · Building Repair & Maintenance	100.00
TOTAL						<u>100.00</u>
Bill Pmt -Check	05/25/2018	20817	STANDARD INSURANCE CO.	Policy # 00-649299-0009	1012 · Bank of America Gen'l Ckg	
Bill	05/22/2018	006492990009		Policy # 00-649299-0009	60191 · Life & Disab.Ins Benefits	786.43
TOTAL						<u>786.43</u>
Bill Pmt -Check	05/25/2018	20818	STAPLES BUSINESS ADVANTAGE	8049892481	1012 · Bank of America Gen'l Ckg	
Bill	05/12/2018	8049892481		Miscellaneous office supplies	6031.7 · Other Office Supplies	46.68
TOTAL						<u>46.68</u>
Bill Pmt -Check	05/25/2018	20819	STAULA, MARY L	Retiree Medical	1012 · Bank of America Gen'l Ckg	
Bill	05/31/2018			Retiree Medical	60182.4 · Retiree Medical	25.17
TOTAL						<u>25.17</u>
Bill Pmt -Check	05/25/2018	20820	VERIZON WIRELESS	9807138773	1012 · Bank of America Gen'l Ckg	
Bill	05/22/2018	9807138773		Acct #642073270-00001	7103.7 · Grdwtr Qual-Computer Svc	100.10
TOTAL						<u>100.10</u>
Bill Pmt -Check	05/25/2018	20821	FRONTIER COMMUNICATIONS	909-484-3890-050914-5	1012 · Bank of America Gen'l Ckg	
Bill	05/15/2018	90948438900509145		Office fax	6022 · Telephone	142.78
TOTAL						<u>142.78</u>

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/25/2018	20822	UNITED HEALTHCARE	052581674102	1012 · Bank of America Gen'l Ckg	
Bill	05/14/2018	052581674102		Dental Insurance Premium - June 2018	60182.2 · Dental & Vision Ins	749.75
TOTAL						749.75
Bill Pmt -Check	05/25/2018	20823	VERIZON WIRELESS	9806600051	1012 · Bank of America Gen'l Ckg	
Bill	05/15/2018	9806600051		Acct #470810953-00001	6022 · Telephone	297.55
TOTAL						297.55
Bill Pmt -Check	05/30/2018	20824	BROWNSTEIN HYATT FARBER SCHRECK		1012 · Bank of America Gen'l Ckg	
Bill	04/30/2018	720859		720859	6078 · BHFS Legal - Miscellaneous	31,360.50
				Angelica BK	6078 · BHFS Legal - Miscellaneous	149.40
				NRG BK	6078 · BHFS Legal - Miscellaneous	925.65
				Mileage/Parking Expense	6078 · BHFS Legal - Miscellaneous	73.56
				Mileage/Parking Expense	8375 · BHFS Legal - Appropriative Pool	12.26
				Mileage/Parking Expense	8475 · BHFS Legal - Agricultural Pool	12.26
				Mileage/Parking Expense	8575 · BHFS Legal - Non-Ag Pool	49.04
Bill	04/30/2018	720860		Employee Handbook	6073 · BHFS Legal - Personnel Matters	3,181.95
				GM Evaluation	6073 · BHFS Legal - Personnel Matters	1,474.20
				Personnel	6073 · BHFS Legal - Personnel Matters	1,579.50
Bill	04/30/2018	720861		720861	6907.34 · Santa Ana River Water Rights	222.75
Bill	04/30/2018	720862		720862	6907.33 · Desalter/Hydraulic Control	1,553.85
Bill	04/30/2018	720863		720863	6275 · BHFS Legal - Advisory Committee	935.55
Bill	04/30/2018	720864		720864	6375 · BHFS Legal - Board Meeting	5,208.30
				Delivery/Ground Transportation	6375 · BHFS Legal - Board Meeting	300.00
Bill	04/30/2018	720865		720865	8375 · BHFS Legal - Appropriative Pool	1,291.95
Bill	04/30/2018	720866		720866	8475 · BHFS Legal - Agricultural Pool	1,291.95
Bill	04/30/2018	720867		720867	8575 · BHFS Legal - Non-Ag Pool	1,291.95
Bill	04/30/2018	720868		720868	6071 · BHFS Legal - Court Coordination	3,513.60
Bill	04/30/2018	720869		720869	6077 · BHFS Legal - Party Status Maint	3,429.90
Bill	04/30/2018	720870		720870	6907.39 · Recharge Master Plan	7,114.95
				Mileage/Parking Expense	6907.39 · Recharge Master Plan	62.17
Bill	04/30/2018	720871		720871	6907.40 · Storage Agreements	911.25
Bill	04/30/2018	720872		720872	6907.41 · Prado Basin Habitat Sustain	2,272.05
Bill	04/30/2018	720873		720873	6907.42 · Safe Yield Recalculation	14,884.65
				Lodging for 04/10/18	6907.42 · Safe Yield Recalculation	225.00
				Lodging for 04/26/18	6907.42 · Safe Yield Recalculation	225.00
Bill	04/30/2018	720874		720874	6907.44 · SGMA Compliance	6,675.30
				Airfare	6907.44 · SGMA Compliance	280.96
TOTAL						90,509.45

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	05/30/2018	20825	NAKANO, JUSTIN	Exp. Report 051118	1012 · Bank of America Gen'l Ckg	
Bill	05/11/2018	Exp. Report 051118		Lunch with JCSD	6141.3 · Admin Meetings	43.02
TOTAL						<u>43.02</u>
Bill Pmt -Check	05/30/2018	20826	TELLEZ-FOSTER, EDGAR	Expense Reimbursement	1012 · Bank of America Gen'l Ckg	
Bill	05/08/2018	ACWA 050818		ETF - ACWA Conference	6191 · Conferences - General	42.53
TOTAL						<u>42.53</u>
Bill Pmt -Check	05/31/2018	20827	INLAND EMPIRE UTILITIES AGENCY	1800003725	1012 · Bank of America Gen'l Ckg	
Bill	05/10/2018	1800003725		RMPU Yield Enhancement Projects Invoice #7	7690.15 · RMPU Amend. Yield (TO #1)	459,262.50
TOTAL						<u>459,262.50</u>
					<b>Total Disbursements:</b>	<u><u>948,362.24</u></u>

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