

CHINO BASIN WATERMASTER



NOTICE OF MEETINGS

Thursday, September 13, 2018

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

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

CHINO BASIN WATERMASTER

Thursday, September 13, 2018

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

POOL AGENDAS

**CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING**

9:00 a.m. – September 13, 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 August 9, 2018 (*Page 1*)

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of July 2018 (*Page 13*)
2. Watermaster VISA Check Detail for the month of July 2018 (*Page 25*)
3. Combining Schedule for the Period July 1, 2018 through July 31, 2018 (*Page 29*)
4. Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 (*Page 33*)
5. Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 (*Page 37*)

C. OBMP SEMI-ANNUAL STATUS REPORTS 2018-1 (*Page 53*)

Recommend to the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

D. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL (*Page 71*)

Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for local storage agreements as presented.

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T-18-07-01) (Page 79)

Recommend to the Advisory Committee to approve Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

B. 2018 RECHARGE MASTER PLAN UPDATE AND RESOLUTION NO. 2018-04 (Page 87)

Recommend Advisory Committee to recommend to Watermaster Board to approve the 2018 RMPU as presented and adopt Resolution No. 2018-04.

C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM EVALUATION AND CONCEPTUAL DESIGN SUPPORT. (Page 113)

Recommend to the Advisory Committee to approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.

D. SAFE YIELD RESET-RELATED AGREEMENT DISCUSSION

Discussion and possible action

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

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

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

C. CFO REPORT

None

D. GM REPORT

1. Proposed Changes to DYY Program Operation
2. CDA Production
3. Changes to the Overlying (Non-Agricultural) Pool Pooling Plan
4. Other

IV. INFORMATION

1. Cash Disbursements for August 2018 (Page 129)
2. Recharge Investigations and Projects Committee (RIPCom) (Page 141)

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

VIII. FUTURE MEETINGS AT WATERMASTER

| | | | |
|---------|-----|------------|---|
| 9/11/18 | Tue | 1:00 p.m. | Storage Framework Workshop #8 (Final) |
| 9/13/18 | Thu | 9:00 a.m. | Appropriative Pool |
| 9/13/18 | Thu | 11:00 a.m. | Non-Agricultural Pool |
| 9/13/18 | Thu | 1:30 p.m. | Agricultural Pool |
| 9/20/18 | Thu | 8:00 a.m. | Appropriative Pool Strategic Planning (Confidential Session Only) |
| 9/20/18 | Thu | 9:00 a.m. | Advisory Committee |
| 9/20/18 | Thu | 9:30 a.m. | Recharge Investigations and Projects Committee |
| 9/27/18 | Thu | 9:00 a.m. | Ground-Level Monitoring Committee |
| 9/27/18 | Thu | 11:00 a.m. | Watermaster Board |

ADJOURNMENT

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

11:00 a.m. – September 13, 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 August 9, 2018 *(Page 5)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of July 2018 *(Page 13)*
2. Watermaster VISA Check Detail for the month of July 2018 *(Page 25)*
3. Combining Schedule for the Period July 1, 2018 through July 31, 2018 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 *(Page 37)*

C. OBMP SEMI-ANNUAL STATUS REPORTS 2018-1 *(Page 53)*

Recommend to the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

D. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL *(Page 71)*

Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for local storage agreements as presented.

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T-18-07-01) *(Page 79)*

Recommend to the Advisory Committee to approve Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

B. 2018 RECHARGE MASTER PLAN UPDATE AND RESOLUTION NO. 2018-04 *(Page 87)*

Recommend Advisory Committee to recommend to Watermaster Board to approve the 2018 RMPU as presented and adopt Resolution No. 2018-04.

C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM EVALUATION AND CONCEPTUAL DESIGN SUPPORT. (Page 113)

Recommend to the Advisory Committee to approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.

D. SAFE YIELD RESET-RELATED AGREEMENT DISCUSSION

Discussion and possible action

E. CHANGES TO THE OVERLYING (NON-AGRICULTURAL) POOL POOLING PLAN (Page 125)

Discussion and possible action

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. August 24, 2018 Hearing

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

C. CFO REPORT

None

D. GM REPORT

1. Proposed Changes to DYY Program Operation
2. CDA Production
3. Other

IV. INFORMATION

1. Cash Disbursements for August 2018 (Page 129)
2. Recharge Investigations and Projects Committee (RIPCom) (Page 141)

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. Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding Appeal From April 28, 2017 Order

VIII. FUTURE MEETINGS AT WATERMASTER

| | | | |
|---------|-----|------------|---|
| 9/11/18 | Tue | 1:00 p.m. | Storage Framework Workshop #8 (Final) |
| 9/13/18 | Thu | 9:00 a.m. | Appropriative Pool |
| 9/13/18 | Thu | 11:00 a.m. | Non-Agricultural Pool |
| 9/13/18 | Thu | 1:30 p.m. | Agricultural Pool |
| 9/20/18 | Thu | 8:00 a.m. | Appropriative Pool Strategic Planning (Confidential Session Only) |
| 9/20/18 | Thu | 9:00 a.m. | Advisory Committee |
| 9/20/18 | Thu | 9:30 a.m. | Recharge Investigations and Projects Committee |
| 9/27/18 | Thu | 9:00 a.m. | Ground-Level Monitoring Committee |
| 9/27/18 | Thu | 11:00 a.m. | Watermaster Board |

ADJOURNMENT

**CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING**

1:30 p.m. – September 13, 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 August 9, 2018 *(Page 9)*

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of July 2018 *(Page 13)*
2. Watermaster VISA Check Detail for the month of July 2018 *(Page 25)*
3. Combining Schedule for the Period July 1, 2018 through July 31, 2018 *(Page 29)*
4. Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 *(Page 33)*
5. Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 *(Page 37)*

C. OBMP SEMI-ANNUAL STATUS REPORTS 2018-1 *(Page 53)*

Recommend to the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

D. CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL *(Page 71)*

Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for local storage agreements as presented.

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T -18-07-01) *(Page 79)*

Recommend to the Advisory Committee to approve Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

B. 2018 RECHARGE MASTER PLAN UPDATE AND RESOLUTION NO. 2018-04 (Page 87)

Recommend Advisory Committee to recommend to Watermaster Board to approve the 2018 RMPU as presented and adopt Resolution No. 2018-04.

C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM EVALUATION AND CONCEPTUAL DESIGN SUPPORT. (Page 113)

Recommend to the Advisory Committee to approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.

D. SAFE YIELD RESET-RELATED AGREEMENT DISCUSSION

Discussion and possible action

E. OLD BUSINESS

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

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

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

C. CFO REPORT

None

D. GM REPORT

1. Proposed Changes to DYY Program Operation
2. CDA Production
3. Changes to the Overlying (Non-Agricultural) Pool Pooling Plan
4. Other

IV. INFORMATION

1. Cash Disbursements for August 2018 (Page 129)
2. Recharge Investigations and Projects Committee (RIPCom) (Page 141)

V. POOL DISCUSSION

1. Chairman's Update
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. August 24, 2018 Hearing
3. Storage

VIII. FUTURE MEETINGS AT WATERMASTER

| | | | |
|---------|-----|------------|---|
| 9/11/18 | Tue | 1:00 p.m. | Storage Framework Workshop #8 (Final) |
| 9/13/18 | Thu | 9:00 a.m. | Appropriative Pool |
| 9/13/18 | Thu | 11:00 a.m. | Non-Agricultural Pool |
| 9/13/18 | Thu | 1:30 p.m. | Agricultural Pool |
| 9/20/18 | Thu | 8:00 a.m. | Appropriative Pool Strategic Planning (Confidential Session Only) |
| 9/20/18 | Thu | 9:00 a.m. | Advisory Committee |
| 9/20/18 | Thu | 9:30 a.m. | Recharge Investigations and Projects Committee |
| 9/27/18 | Thu | 9:00 a.m. | Ground-Level Monitoring Committee |
| 9/27/18 | Thu | 11:00 a.m. | Watermaster Board |

ADJOURNMENT

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Appropriative Pool Meeting held on August 9, 2018

DRAFT MINUTES
CHINO BASIN WATERMASTER
APPROPRIATIVE POOL MEETING

August 9, 2018

The Appropriative Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on August 9, 2018.

APPROPRIATIVE POOL MEMBERS PRESENT

Teri Layton, Chair
Van Jew, Vice-Chair
Cris Fealy
Eric Tarango
John Bosler
Darron Poulsen
Todd Corbin
Rosemary Hoerning
Ron Craig
Dave Crosley
Katie Gienger for Scott Burton

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

WATERMASTER BOARD MEMBERS PRESENT

Eunice Ulloa
Bob Kuhn

City of Chino
Three Valleys Municipal Water District

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
Andy Malone

Brownstein Hyatt Farber Schreck, LLP
Wildermuth Environmental, Inc.

OTHERS PRESENT

Shaun Stone
Curtis Paxton
Josh Swift
David De Jesus
Courtney Jones
Amanda Coker
Matt Litchfield
Raul Garibay
Eduardo Espinoza
Manny Martinez
Eric Grubb

Inland Empire Utilities Agency
Chino Basin Desalter Authority
Fontana Water Company
Three Valleys Municipal Water District
City of Ontario
City of Chino
Three Valleys Municipal Water District
City of Pomona
Cucamonga Valley Water District
Monte Vista Water District
Cucamonga Valley Water District

CALL TO ORDER

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

AGENDA – ADDITIONS/REORDER

(0:00:17) Chair Layton suggested that Business Items II.D. and II.E. are taken after confidential session.

I. CONSENT CALENDAR

A. MINUTES

Approve as presented:

- 1. Minutes of the Appropriative Pool Meeting held July 19, 2018

B. FINANCIAL REPORTS

Receive and file as presented:

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

C. WATER TRANSACTIONS

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

The purchase of 500.000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District’s Excess Carryover Account. Date of application: July 11, 2018.

(0:00:32)

Motion by Mr. Todd Corbin, seconded by Mr. Cris Fealy, and by unanimous vote

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND THE CITY OF POMONA FOR CONSTRUCTION AND OPERATION OF THE POMONA EXTENSOMETER

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and the City of Pomona for Construction and Operation of the Pomona Extensometer.

(0:00:50) Mr. Tellez Foster gave a report. A discussion ensued.

(0:02:22)

Motion by Mr. Darron Poulsen, seconded by Vice-Chair Van Jew, and by unanimous vote

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

B. TASK ORDER NO. 3 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: POMONA EXTENSOMETER CONTRACT ADMINISTRATION

Recommend to the Advisory Committee to approve Task Order No. 3 Under Master Agreement for Collaborative Projects: Pomona Extensometer Contract Administration.

(0:02:42) Mr. Tellez Foster gave a report. A discussion ensued.

(0:04:29)

Motion by Mr. Darron Poulsen, seconded by Vice-Chair Van Jew, and by unanimous vote

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

C. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND CHINO REAL ESTATE 13799 LLC (MONITORING WELL PRESERVATION AT FORMER CROWN COACH FACILITY)

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and Chino Real Estate 13799 LLC.

(0:04:55) Mr. Tellez Foster gave a report. A discussion ensued.

(0:08:02)

*Motion by Ms. Rosemary Hoerning, seconded by Chair Teri Layton, and by unanimous vote
Moved to approve Business Item II.C. as presented.*

D. ADVISORY COMMITTEE REQUEST FOR CONTINUED WATERMASTER ASSISTANCE

Discuss and possibly take action.

(0:08:39) Mr. Kavounas gave a presentation. A discussion ensued.

Mr. Crosley joined the meeting at 9:15 a.m.

This item was taken into Confidential Session and the reportable action is provided in sequence below.

E. MOU REGARDING CONTRIBUTIONS OF SAFE YIELD FOR DESALTER REPLENISHMENT

Discuss and possibly take action.

This item was taken into Confidential Session and the reportable action is provided in sequence below.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal of April 28, 2017 Order
2. August 17, 2018 Hearing
3. Overlying (Agricultural) Pool Committee's Consolidated and Amended Contest

(0:29:44) Mr. Herrema gave a report. A discussion ensued.

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

(0:35:05) Mr. Malone gave a report.

C. CFO REPORT

None

D. GM REPORT

1. 2018 RMPU
2. Storage Management Plan Development Schedule
3. Other

(0:37:00) Mr. Kavounas introduced Mr. Nakano to give a report on Item III.D.1.

(0:37:46) Mr. Kavounas gave a report on Item III.D.2. A discussion ensued.

IV. INFORMATION

- 1. Cash Disbursements for July 2018
- 2. Recharge Investigations and Projects Committee (RIPCom)
- 3. Ground-Level Monitoring Committee Semi-Annual Status Report

V. POOL MEMBER COMMENTS

(0:39:23) Vice-Chair Jew had additional questions for Business Item II.E. A discussion ensued.

(0:41:42) Ms. Gienger introduced Ms. Courtney Jones as City of Ontario’s new Senior Associate Civil Engineer and will be Ms. Gienger’s alternate for Watermaster related meetings during her leave.

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

The Pool took two Confidential Sessions.

Chair Layton called for the first confidential session at 9:44 a.m. to discuss Business Item II.D., Advisory Committee Request For Continued Watermaster Assistance, and Business Item II.E., MOU Regarding Contributions of Safe Yield For Desalter Replenishment. The first confidential session concluded at 10:55 a.m. with the following reportable action:

(42:25) The Appropriative Pool supports the MOU and the Agreement moving separately but recognize them as being linked. The Appropriative Pool is reaching out to the Agricultural Pool and Non-Agricultural Pool to move the items in unison and hopes to have a final document by the next Pool meetings. Watermaster should not bring Business Items II.D. and II.E. to the Advisory Committee until the Appropriative Pool considers further language to the documents.

Chair Layton called for the second confidential session at 10:59 a.m. to have the Appropriative Pool Strategic Planning discussion. The second confidential session concluded at 11:42 a.m. with the following reportable action:

(44:50) By majority vote, the Appropriative Pool approves the concept of the Tolling Agreement and authorizes the Chair to sign on behalf of the Pool.

No Votes on Tolling Agreement Action:

- Dave Crosley – City of Chino
- Katie Gienger – City of Ontario

ADJOURNMENT

Chair Layton adjourned the Appropriative Pool meeting at 11:43 a.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. BUSINESS ITEM – ROUTINE

A. MINUTES

1. Non-Agricultural Pool Meeting held on August 9, 2018

DRAFT MINUTES
CHINO BASIN WATERMASTER
NON-AGRICULTURAL POOL MEETING
August 9, 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 August 9, 2018.

NON-AGRICULTURAL POOL MEMBERS PRESENT AT WATERMASTER

| | |
|---------------------------|-----------------------------------|
| Brian Geye, Chair | California Speedway Corporation |
| Bob Bowcock, Vice-Chair | CalMat Co. |
| Andrew Silva for Bob Page | County of San Bernardino (Non-Ag) |

NON-AGRICULTURAL POOL MEMBERS PRESENT ON CALL

| | |
|---------------|-----------------------------|
| Ramsey Haddad | California Steel Industries |
| 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. |

OTHERS PRESENT AT WATERMASTER

| | |
|-------------|------------------------------------|
| Todd Corbin | Jurupa Community Services District |
|-------------|------------------------------------|

NON-AGRICULTURAL POOL LEGAL COUNSEL PRESENT ON CALL

| | |
|--------------|------------------|
| Allen Hubsch | Loeb & Loeb, LLP |
|--------------|------------------|

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

Receive and file as presented:

1. Minutes of the Non-Agricultural Pool Meeting held July 19, 2018

(0:01:40)

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

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

B. FINANCIAL REPORTS

Receive and file as presented:

1. Cash Disbursements for the month of June 2018

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

(0:02:08)

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

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

C. WATER TRANSACTIONS

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

The purchase of 500.000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District's Excess Carryover Account. Date of application: July 11, 2018.

(0:02:39)

Motion by Mr. Tom O'Neill, seconded by Vice-Chair Bob Bowcock. 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. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND THE CITY OF POMONA FOR CONSTRUCTION AND OPERATION OF THE POMONA EXTENSOMETER

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and the City of Pomona for Construction and Operation of the Pomona Extensometer.

(0:03:05) Mr. Tellez Foster gave a report.

(0:04:03)

Motion by Mr. Andrew Silva, seconded by Mr. Tom O'Neill. The Chair called for dissent, and none being noted, the motion was deemed passed by unanimous vote of those present.

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

B. TASK ORDER NO. 3 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: POMONA EXTENSOMETER CONTRACT ADMINISTRATION

Recommend to the Advisory Committee to approve Task Order No. 3 Under Master Agreement for Collaborative Projects: Pomona Extensometer Contract Administration.

(0:04:31) Mr. Tellez Foster gave a report.

(0:05:33)

Motion by Mr. Tom O'Neill, seconded by Mr. Andrew Silva. 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., and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

C. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND CHINO REAL ESTATE 13799 LLC (MONITORING WELL PRESERVATION AT FORMER CROWN COACH FACILITY)

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and Chino Real Estate 13799 LLC.

(0:06:08) Mr. Tellez Foster gave a report.

(0:07:24)

Motion by Mr. Tom O'Neill, 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.C., and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they deem appropriate.

D. ADVISORY COMMITTEE REQUEST FOR CONTINUED WATERMASTER ASSISTANCE

Discuss and possibly take action.

(0:07:51) Mr. Kavounas prefaced Item II.D. and introduced Mr. Corbin who gave a report on behalf of the Appropriative Pool. A discussion ensued.

No action was taken on this item.

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

1. Any proposed transfer of Safe Yield by a Member.
2. Any transfer of Safe Yield that has actually closed or been completed.
3. Any change in name or corporate identity of a Member (such as results from a merger or filing of a change of name certificate).
4. Any change in the name of a representative or alternate representative of a Member, or a change in e-mail address for either such person.
 - New primary representative for NRG California South LP as of July 16, 2018 is Mr. Jeffrey Edwards and his email is: jeffrey.edwards@genon.com, replacing Mr. Rick Fatten. Their alternate representative remains unchanged (Mr. Robert Rea – email: robert.rea@genon.com).

(0:28:57) Ms. Nelson gave a report.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal of April 28, 2017 Order
2. August 17, 2018 Hearing
3. Overlying (Agricultural) Pool Committee's Consolidated and Amended Contests

(0:29:36) Mr. Herrema gave a report.

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

(0:33:15) Mr. Malone gave a report. A discussion ensued.

C. CFO REPORT

None

D. GM REPORT

- 1. MOU Regarding Contributions of Safe Yield For Desalter Replenishment
- 2. 2018 RMPU
- 3. Storage Management Plan Development Schedule
- 4. Other

(0:36:52) Mr. Kavounas gave a report on Item III.D.1

(0:37:37) Mr. Nakano gave a report on Item III.D.2.

(0:38:14) Mr. Kavounas gave a report on Item III.D.3.

IV. INFORMATION

- 1. Cash Disbursements for July 2018
- 2. Recharge Investigations and Projects Committee (RIPCom)
- 3. Ground-Level Monitoring Committee Semi-Annual Status Report

V. POOL MEMBER COMMENTS

None

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION – POSSIBLE ACTION

Chair Geye called for a confidential session at 11:41 a.m. to discuss Storage Application, Exhibit “G” Transfer Rate Amendment, Peace Agreement Paragraph 5.3(e) Interpretation, Amendments to Judgment and CAMA to Implement Settlement Agreement Regarding Appeal From April 28, 2017 Order, and Annual Report Appendices. Confidential session concluded at 12:33 p.m. with the following reportable action:

(0:40:50)

Storage Application:

Direct Pool legal counsel to file a Form 1 Application for Local Storage Agreement on behalf of the members of the Non-Agricultural Pool.

Exhibit “G” Transfer Rate Amendment:

Direct Pool legal counsel and Pool Chair to work with the six-pack attorneys to finalize language covering changes to Exhibit “G” regarding water transfer pricing and desalter transfers, including follow-up negotiations with the Appropriative Pool, Agricultural Pool, and Advisory Committee as necessary.

Direct Watermaster to begin the Pool process at the September 2018 meetings by agendizing changes to the Non-Agricultural Pool’s Pooling Plan.

ADJOURNMENT

Chair Geye adjourned the Non-Agricultural Pool meeting at 12:35 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Meeting held on August 9, 2018

DRAFT MINUTES
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING
August 9, 2018

The Agricultural Pool meeting was held at the offices of Chino Basin Watermaster located at 9641 San Bernardino Road, Rancho Cucamonga, CA on August 9, 2018.

AGRICULTURAL POOL MEMBERS PRESENT

| | |
|---------------------|---------------------------|
| Bob Feenstra, Chair | Dairy |
| Pete Hall | State of California – CIM |
| Lawrence Dimock | State of California – CIM |
| Carol Boyd | State of California – CIM |
| Ronald Pietersma | Dairy |
| John Huitsing | Dairy |
| Nathan deBoom | Dairy |
| Henry De Haan | Dairy |
| Bob Page | County of San Bernardino |

WATERMASTER BOARD MEMBERS PRESENT

| | |
|------------|-------|
| Paul Hofer | Crops |
|------------|-------|

WATERMASTER STAFF PRESENT

| | |
|---------------------|---|
| 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

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

OTHERS PRESENT

| | |
|---------------|------------------------------------|
| Todd Corbin | Jurupa Community Services District |
| Richard Rees | Wood plc |
| Tracy Egoscue | Egoscue Law Group, Inc. |

CALL TO ORDER

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

AGENDA – ADDITIONS/REORDER

(0:00:44) Chair Feenstra requested to defer Business Item II.D. until after Confidential Session.

I. CONSENT CALENDAR

A. MINUTES

Approve as presented:

1. Minutes of the Agricultural Pool Meeting held on July 19, 2018

B. FINANCIAL REPORTS

Receive and file as presented:

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

C. WATER TRANSACTIONS

Provide advice and assistance to the Watermaster Board on the proposed transaction:
The purchase of 500.000 acre-feet of water from West Valley Water District by Cucamonga Valley Water District. This purchase is made from West Valley Water District's Excess Carryover Account. Date of application: July 11, 2018.

(0:01:27)

Motion by Mr. Nathan deBoom seconded by Mr. Pete Hall, and by unanimous vote

Moved to approve the Consent Calendar as presented.

II. BUSINESS ITEMS

A. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND THE CITY OF POMONA FOR CONSTRUCTION AND OPERATION OF THE POMONA EXTENSOMETER

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and the City of Pomona for Construction and Operation of the Pomona Extensometer.

(0:01:49) Mr. Kavounas gave a report.

(0:02:43)

Motion by Mr. Ronald Pietersma seconded by Mr. John Huitsing, and by unanimous vote

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

B. TASK ORDER NO. 3 UNDER MASTER AGREEMENT FOR COLLABORATIVE PROJECTS: POMONA EXTENSOMETER CONTRACT ADMINISTRATION

Recommend to the Advisory Committee to approve Task Order No. 3 Under Master Agreement for Collaborative Projects: Pomona Extensometer Contract Administration.

(0:03:12) Mr. Kavounas gave a report. A discussion ensued.

(0:05:24)

Motion by Mr. Nathan deBoom seconded by Mr. Henry De Haan, and by unanimous vote

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

C. RIGHT OF ENTRY AGREEMENT BETWEEN CHINO BASIN WATERMASTER AND CHINO REAL ESTATE 13799 LLC (MONITORING WELL PRESERVATION AT FORMER CROWN COACH FACILITY)

Recommend to the Advisory Committee to approve the Right of Entry Agreement between the Chino Basin Watermaster and Chino Real Estate 13799 LLC.

(0:05:46) Mr. Kavounas gave a report.

(0:07:55)

Motion by Mr. Henry De Haan seconded by Mr. John Huitsing, and by unanimous vote

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

D. ADVISORY COMMITTEE REQUEST FOR CONTINUED WATERMASTER ASSISTANCE

Discuss and possibly take action.

The Pool took Business Item II.D. during confidential session and the reportable actions are provided in sequence below.

E. OLD BUSINESS

None

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. Appeal of April 28, 2017 Order
2. August 17, 2018 Hearing
3. Overlying (Agricultural) Pool Committee's Consolidated and Amended Contests

(0:09:19) Mr. Herrema gave a report.

(0:12:49) Chair Feenstra invited Mr. Corbin to update the Pool regarding the Safe Yield Reset Appeal. A discussion ensued.

B. ENGINEER REPORT

1. Storage Framework
2. Fiscal Year 2017/18 GLMC Annual Report

(0:27:53) Mr. Malone gave a report.

C. CFO REPORT

None

D. GM REPORT

1. MOU Regarding Contributions of Safe Yield For Desalter Replenishment
2. 2018 RMPU
3. Storage Management Plan Development Schedule
4. Other

(0:30:57) Mr. Kavounas gave a report on Item III.D.1

(0:31:49) Mr. Nakano gave a report on Item III.D.2.

(0:32:24) Mr. Kavounas gave a report on Item III.D.3.

(0:33:37) Mr. Kavounas shared the Appropriative Pool's motion regarding Business Item II.D. A discussion ensued.

IV. INFORMATION

1. Cash Disbursements for July 2018
2. Recharge Investigations and Projects Committee (RIPCom)
3. Ground-Level Monitoring Committee Semi-Annual Status Report

V. POOL DISCUSSION

1. Chairman's Update
2. Pool Member Comments

VI. OTHER BUSINESS

None

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Chair Feenstra called for a confidential session at 2:14 p.m. to discuss Appeal of April 28, 2017 Order, August 17, 2018 Hearing, Advisory Committee Request For Continued Watermaster Assistance, Overlying (Agricultural) Pool Committee's Consolidated and Amended Contests, Storage, and Strategic Planning. Confidential session concluded at 3:07 p.m.

(0:37:52) Ms. Egoscue provided the following two reportable actions:

Regarding Business Item II.D. – Advisory Committee Request For Continued Watermaster Assistance:

In the absence of a proposed final document, the Agricultural Pool has determined that the prior approval by the Pool is moot and has been nullified by the subsequent revisions to the operative proposed settlement, as well as the Parties apparent rejection of the Ag Pool’s edits upon which the approval was contingent.

Motion by Mr. Ron Pietersma, seconded by Ms. Carol Boyd and by unanimous vote.

Moved to approve action as described above.

Regarding Storage:

The draft Tolling Agreement presented by the Appropriative Pool legal counsel was approved.

Motion by Mr. Ron Pietersma, seconded by Mr. John Huitsing and by unanimous vote.

Moved to approve action as described above.

ADJOURNMENT

Chair Feenstra adjourned the Agricultural Pool meeting at 3:09 p.m.

Secretary: _____

Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR (App & Ag Pool)

B. FINANCIAL REPORTS

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

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

B. FINANCIAL REPORTS

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



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Cash Disbursement Report - Financial Report B1 (July 31, 2018)

SUMMARY

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

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

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

Future Consideration

Appropriative Pool – September 13, 2018: Receive and File
Non-Agricultural Pool – September 13, 2018: Receive and File
Agricultural Pool – September 13, 2018: Receive and File
Advisory Committee – September 20, 2018: Receive and File
Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 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 July 2018 were \$1,500,109.66.

The most significant expenditures during the month were to Inland Empire Utilities Agency in the amounts of \$293,578.73 and \$580,585.00 (check number 20881 dated July 12, 2018 and check number 20923 dated July 25, 2018); Wildermuth Environmental, Inc. in the amount of \$263,095.48 (check number 20897 dated July 12, 2018); and Brownstein Hyatt Farber Schreck in the amount of \$98,819.21 (check number 20875 dated July 12, 2018).

ATTACHMENTS

1. Financial Report - B1

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|---|--|-----------------------------------|-------------|
| Bill Pmt -Check | 07/03/2018 | ACH 070318 | CALPERS | 1394905143 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 1394905143 | | 1394905143 | 60182.1 - Medical Insurance | 8,440.38 |
| TOTAL | | | | | | 8,440.38 |
| General Journal | 07/06/2018 | 07/06/2018 | Payroll and Taxes for 06/17/18-06/30/18 | Payroll and Taxes for 06/17/18-06/30/18 | 1012 - Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 06/17/18-06/30/18 | 1012 - Bank of America Gen'l Ckg | 26,280.94 |
| | | | | Payroll Taxes for 06/17/18-06/30/18 | 1012 - Bank of America Gen'l Ckg | 8,351.98 |
| | | | ICMA-RC | 457(b) Employee Deductions for 06/17/18-06/30/18 | 1012 - Bank of America Gen'l Ckg | 4,738.05 |
| | | | ICMA-RC | 401(a) Employee Deductions for 06/17/18-06/30/18 | 1012 - Bank of America Gen'l Ckg | 1,303.27 |
| TOTAL | | | | | | 40,674.24 |
| Bill Pmt -Check | 07/06/2018 | ACH 070618 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 - Bank of America Gen'l Ckg | |
| General Journal | 06/30/2018 | 06/30/2018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 06/17/18-06/30/18 | 2000 - Accounts Payable | 6,725.08 |
| TOTAL | | | | | | 6,725.08 |
| Bill Pmt -Check | 07/12/2018 | 20872 | ACCENT COMPUTER SOLUTIONS, INC. | | 1012 - Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 122435 | | Nakano desktop - balance due | 6055 - Computer Hardware | 899.20 |
| Bill | 06/30/2018 | 122520 | | Cloud Storage - FTP Replacement | 6052.5 - IT Data Backup/Storage | 712.50 |
| Bill | 07/01/2018 | 122283 | | Monthly Service - July 2018 | 6052.4 - IT Managed Services | 4,275.00 |
| | | | | Overwatch - July 2018 | 6052.5 - IT Data Backup/Storage | 699.00 |
| | | | | OmniCloud - July 2018 | 6052.5 - IT Data Backup/Storage | 96.00 |
| | | | | Office 365 subscriptions - July 2018 | 6054 - Computer Software | 33.20 |
| TOTAL | | | | | | 6,714.90 |
| Bill Pmt -Check | 07/12/2018 | 20873 | ACWA JOINT POWERS INSURANCE AUTHORITY | 0562305 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 07/02/2018 | 0562305 | | Prepayment - August 2018 | 1409 - Prepaid Life, BAD&D & LTD | 238.02 |
| | | | | July 2018 | 60191 - Life & Disab.Ins Benefits | 230.00 |
| TOTAL | | | | | | 468.02 |
| Bill Pmt -Check | 07/12/2018 | 20874 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 - Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | XXXX-XXXX-XXXX-9341 | | Nakano desktop-50% deposit | 6055 - Computer Hardware | 899.20 |
| | | | | Work uniforms for staff | 6154 - Uniforms | 552.12 |
| | | | | Replacement microwave for lunchroom | 6031.7 - Other Office Supplies | 129.29 |
| | | | | Work uniforms for staff | 6154 - Uniforms | 122.90 |
| | | | | Recruitment ad through Brown and Caldwell | 6016 - New Employee Search Costs | 200.00 |
| | | | | Recruitment ad through Water District Jobs | 6016 - New Employee Search Costs | 175.00 |
| | | | | HR meeting with PK, ATN, JJ | 6141.3 - Admin Meetings | 53.59 |
| | | | | GSA Summit-Sacramento-PK lunch | 6191 - Conferences - General | 15.54 |
| | | | | GSA Summit-Sacramento-PK Ontario parking | 6191 - Conferences - General | 72.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|--------------|------------------------|-------------------|--------------|---|---|-----------------|
| | | | | GSA Summit-Sacramento-PK hotel | 6191 · Conferences - General | 679.40 |
| | | | | PK meeting with S. Elie | 6312 · Meeting Expenses | 37.85 |
| | | | | PK meeting with T. Layton, V. Jew | 8312 · Meeting Expenses | 53.12 |
| | | | | Lunch for 6/14/18 Appropriative and Non-Ag Pool | 8512 · Meeting Expense | 50.00 |
| | | | | Lunch for 6/14/18 Appropriative and Non-Ag Pool | 8312 · Meeting Expenses | 50.00 |
| | | | | Lunch for 6/15/18 Ag Pool discussion | 8412 · Meeting Expenses | 143.20 |
| | | | | SGMA-Sacramento-Airflight-EFT | 6191 · Conferences - General | 348.96 |
| | | | | Early check-in for flight to Sacramento-EFT | 6191 · Conferences - General | 15.00 |
| | | | | Early check-in for flight to Sacramento-EFT | 6191 · Conferences - General | 15.00 |
| | | | | PK meeting with Pierro | 6141.3 · Admin Meetings | 23.30 |
| | | | | PK meeting with Razak | 8312 · Meeting Expenses | 51.01 |
| | | | | Attention To Detail Training-CG | 6191 · Conferences - General | 97.00 |
| | | | | PK meeting with Ulloa | 6312 · Meeting Expenses | 34.36 |
| | | | | Book-Prosperity in the Age of Decline | 6031.7 · Other Office Supplies | 28.29 |
| | | | | Flowers for staff in hospital | 6141.3 · Admin Meetings | 70.01 |
| TOTAL | | | | | | 3,916.14 |
| P16 | Bill Pmt -Check | 07/12/2018 | 20875 | BROWNSTEIN HYATT FARBER SCHRECK | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/30/2018 | 725017 | 725017 | 6078 · BHFS Legal - Miscellaneous | 22,062.15 |
| | | | | Angelica BK | 6078 · BHFS Legal - Miscellaneous | 26.55 |
| | | | | Mileage/Parking Expense | 8375 · BHFS Legal - Appropriative Pool | 18.33 |
| | | | | Mileage/Parking Expense | 6078 · BHFS Legal - Miscellaneous | 36.67 |
| | | | | Mileage/Parking Expense | 8475 · BHFS Legal - Agricultural Pool | 36.67 |
| | | | | Mileage/Parking Expense | 8575 · BHFS Legal - Non-Ag Pool | 18.34 |
| | Bill | 06/30/2018 | 725018 | RHS Plan | 6073 · BHFS Legal - Personnel Matters | 1,652.40 |
| | | | | 1099 Independent Contractors | 6073 · BHFS Legal - Personnel Matters | 4,040.55 |
| | | | | Personnel | 6073 · BHFS Legal - Personnel Matters | 969.75 |
| | | | | GM Evaluation/Contract | 6073 · BHFS Legal - Personnel Matters | 5,768.55 |
| | | | | Employee Handbook | 6073 · BHFS Legal - Personnel Matters | 1,972.35 |
| | | | | Research - Westlaw | 6073 · BHFS Legal - Personnel Matters | 67.40 |
| | Bill | 06/30/2018 | 725019 | 725019 | 6907.34 · Santa Ana River Water Rights | 89.10 |
| | Bill | 06/30/2018 | 725020 | 725020 | 6907.32 · Chino Airport Plume | 1,438.20 |
| | Bill | 06/30/2018 | 725021 | 725021 | 6907.33 · Desalter/Hydraulic Control | 1,069.20 |
| | Bill | 06/30/2018 | 725022 | 725022 | 6275 · BHFS Legal - Advisory Committee | 668.25 |
| | Bill | 06/30/2018 | 725023 | 725023 | 6375 · BHFS Legal - Board Meeting | 7,423.65 |
| | Bill | 06/30/2018 | 725024 | 725024 | 8375 · BHFS Legal - Appropriative Pool | 2,182.95 |
| | Bill | 06/30/2018 | 725025 | 725025 | 8475 · BHFS Legal - Agricultural Pool | 3,073.95 |
| | Bill | 06/30/2018 | 725026 | 725026 | 8575 · BHFS Legal - Non-Ag Pool | 2,049.30 |
| | Bill | 06/30/2018 | 725027 | 725027 | 6071 · BHFS Legal - Court Coordination | 1,449.90 |
| | Bill | 06/30/2018 | 725028 | 725028 | 6077 · BHFS Legal - Party Status Maint | 506.25 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|------------------------|-------------------|----------------------|---------------------------------------|---|--|-------------|
| Bill | 06/30/2018 | 725029 | | 725029 | 6907.38 · Reg. Water Quality Cntrl Board | 52.65 |
| Bill | 06/30/2018 | 725030 | | 725030 | 6907.39 · Recharge Master Plan | 4,384.80 |
| Bill | 06/30/2018 | 725031 | | 725031 | 6907.40 · Storage Agreements | 3,530.70 |
| Bill | 06/30/2018 | 725032 | | 725032 | 6907.41 · Prado Basin Habitat Sustain | 558.45 |
| Bill | 06/30/2018 | 725033 | | 725033 | 6907.42 · Safe Yield Recalculation | 29,786.40 |
| Bill | 06/30/2018 | 725034 | | 725034 | 6907.44 · SGMA Compliance | 3,885.75 |
| TOTAL | | | | | | 98,819.21 |
| Bill Pmt -Check | 07/12/2018 | 20876 | CENTURYLINK | 71184178 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/26/2018 | 71184178 | | 6/17/18-7/16/18 | 6053 · Internet Expense | 1,051.36 |
| TOTAL | | | | | | 1,051.36 |
| Bill Pmt -Check | 07/12/2018 | 20877 | EGOSCUE LAW GROUP, INC. | 11995 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 11995 | | Ag Pool Legal Service - June 2018 | 8467 · Ag Legal & Technical Services | 17,850.00 |
| TOTAL | | | | | | 17,850.00 |
| Bill Pmt -Check | 07/12/2018 | 20878 | ESRI | 93478421 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/01/2018 | 93478421 | | ESRI maintenance 8/19/2018-8/18/2019 | 6054 · Computer Software | 1,038.75 |
| TOTAL | | | | | | 1,038.75 |
| Bill Pmt -Check | 07/12/2018 | 20879 | FEENSTRA, BOB | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 6/14 Personnel Comm | | 6/14/18 Personnel Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/15/2018 | 6/15 Ag Pool Meeting | | 6/15/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/21/2018 | 6/21 Advisory Comm. | | 6/21/18 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/21/2018 | 6/21 Recharge Comm | | 6/21/18 Recharge Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Meeting | | 6/28/18 Board Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| TOTAL | | | | | | 625.00 |
| Bill Pmt -Check | 07/12/2018 | 20880 | GRAINGER | 9818007958 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 9818007958 | | Miscellaneous supplies | 7103.6 · Grdwtr Qual-Supplies | 429.92 |
| TOTAL | | | | | | 429.92 |
| Bill Pmt -Check | 07/12/2018 | 20881 | INLAND EMPIRE UTILITIES AGENCY | 90022391 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/02/2018 | 90022391 | | Groundwater Recharge O&M Cost Reimbursement | 7206 · Comp Recharge-O&M | 293,578.73 |
| TOTAL | | | | | | 293,578.73 |
| Bill Pmt -Check | 07/12/2018 | 20882 | JOHN J. SCHATZ | Appropriative Pool Legal Services | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | | | June 2018 | 8367 · Legal Service | 4,024.00 |
| TOTAL | | | | | | 4,024.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|-------------|--------------------------------|---|-----------------------------------|-------------|
| Bill Pmt -Check | 07/12/2018 | 20883 | KAVOUNAS, PETER | Travel Expense Reimbursement | 1012 · Bank of America Gen'l Ckg | |
| Bill | 05/31/2018 | | | Travel Expense Reimbursement | 6191 · Conferences - General | 103.63 |
| TOTAL | | | | | | 103.63 |
| Bill Pmt -Check | 07/12/2018 | 20884 | LOS ANGELES NEWS GROUP | 900421820 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/28/2018 | 900421820 | | Inland Valley Daily Bulletin newspaper-26 weeks | 6112 · Subscriptions/Publications | 324.72 |
| TOTAL | | | | | | 324.72 |
| Bill Pmt -Check | 07/12/2018 | 20885 | PAYCHEX | 2018062800 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 2018062800 | | June 2018 | 6012 · Payroll Services | 336.24 |
| TOTAL | | | | | | 336.24 |
| Bill Pmt -Check | 07/12/2018 | 20886 | PHILADELPHIA INSURANCE COMPANY | Insurance Package | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/01/2018 | 16028326249 | | Commercial General Liability 06/26/18-06/26/19 | 6085 · Business Insurance Package | 4,094.00 |
| | | | | Commercial Auto Coverage 06/26/18-06/26/19 | 6085 · Business Insurance Package | 4,717.28 |
| | | | | UltimateCover Property Coverage 06/26/18-06/26/19 | 6085 · Business Insurance Package | 2,600.00 |
| | | | | Employee Benefits Coverage 06/26/18-06/26/19 | 6085 · Business Insurance Package | 300.00 |
| Bill | 07/01/2018 | 16028326263 | | Commercial Umbrella 06/26/18-06/26/19 | 6085 · Business Insurance Package | 2,868.00 |
| TOTAL | | | | | | 14,579.28 |
| Bill Pmt -Check | 07/12/2018 | 20887 | PREMIERE GLOBAL SERVICES | 26051074 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/26/2018 | 26051074 | | Pomona extensometer call on 05/29 | 6909.1 · OBMP Meetings | 8.59 |
| | | | | Pomona extensometer call on 6/04 | 6909.1 · OBMP Meetings | 7.87 |
| | | | | Pomona extensometer call on 6/11 | 6909.1 · OBMP Meetings | 7.01 |
| | | | | Non-Ag Pool mtg call on 06/14 | 8512 · Meeting Expense | 27.50 |
| | | | | Pomona extensometer call on 06/18 | 6909.1 · OBMP Meetings | 6.20 |
| | | | | Fee - General | 6022 · Telephone | 49.00 |
| | | | | Fee - Confidential | 6022 · Telephone | 49.00 |
| | | | | WM coordination call on 5/29 | 6909.1 · OBMP Meetings | 6.22 |
| | | | | Personnel Committee call on 5/31 | 6909.1 · OBMP Meetings | 7.90 |
| | | | | WM coordination call on 6/04 | 6909.1 · OBMP Meetings | 27.05 |
| | | | | WM coordination call on 6/05 | 6909.1 · OBMP Meetings | 6.22 |
| | | | | WM coordination call on 6/11 | 6909.1 · OBMP Meetings | 11.85 |
| | | | | WM coordination call on 6/13 | 6909.1 · OBMP Meetings | 6.22 |
| | | | | WM coordination call on 6/13 | 6909.1 · OBMP Meetings | 21.03 |
| | | | | Advisory agenda call on 6/18 | 6212 · Meeting Expense | 18.46 |
| | | | | RMPU Section 6 call on 6/19 | 6909.1 · OBMP Meetings | 15.93 |
| | | | | WM coordination call on 6/25 | 6909.1 · OBMP Meetings | 13.94 |
| | | | | Board agenda call on 6/26 | 6312 · Meeting Expenses | 16.43 |
| | | | | Service Fee | 6022 · Telephone | 11.43 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| TOTAL | Type | Date | Num | Name | Memo | Account | Paid Amount |
|-------|-----------------|------------|------------------|---------------------------------------|--|--------------------------------------|-------------|
| | | | | | | | 317.85 |
| | Bill Pmt -Check | 07/12/2018 | 20888 | PURCHASE POWER | 8000-9090-0016-8851 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/22/2018 | 8000909000168851 | | Postage refill | 6042 · Postage - General | 500.00 |
| | | | | | Supplies | 6042 · Postage - General | 10.99 |
| TOTAL | | | | | | | 510.99 |
| | Bill Pmt -Check | 07/12/2018 | 20889 | R&D PEST SERVICES | 0230753 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/05/2018 | 0230753 | | Pest control - inside and outside | 6024 · Building Repair & Maintenance | 100.00 |
| TOTAL | | | | | | | 100.00 |
| | Bill Pmt -Check | 07/12/2018 | 20890 | READY REFRESH BY NESTLE | 0023230253 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/26/2018 | 0023230253 | | Office Water Bottle - June 2018 | 6031.7 · Other Office Supplies | 29.32 |
| TOTAL | | | | | | | 29.32 |
| | Bill Pmt -Check | 07/12/2018 | 20891 | SANTA ANA WATERSHED PROJECT AUTHORITY | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/01/2018 | 9341 | | FY 2018-19 Basin Monitoring Program Task Force | 6903 · OBMP SAWPA Group | 6,421.00 |
| | Bill | 07/01/2018 | 9339 | | FY 2018-19 Middle SAR Pathogen TMDL Task Forc | 8471 · Ag Pool Expense | 14,018.00 |
| TOTAL | | | | | | | 20,439.00 |
| | Bill Pmt -Check | 07/12/2018 | 20892 | STAPLES BUSINESS ADVANTAGE | 8050398742 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/23/2018 | 8050398742 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 75.17 |
| TOTAL | | | | | | | 75.17 |
| | Bill Pmt -Check | 07/12/2018 | 20893 | STATE COMPENSATION INSURANCE FUND | 1970970-18 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/01/2018 | 1970970-18 | | Deposit premium 6/26/18-6/26/19 | 60183 · Worker's Comp Insurance | 300.99 |
| TOTAL | | | | | | | 300.99 |
| | Bill Pmt -Check | 07/12/2018 | 20894 | TELLEZ-FOSTER, EDGAR | Expense Reimbursement | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/25/2018 | SGMA 062518 | | SGMA-Flight change | 6173 · Airfare/Mileage | 94.00 |
| | | | | | SGMA-lunch | 6141.2 · Committee Meetings | 26.57 |
| | | | | | SGMA-parking | 6173 · Airfare/Mileage | 10.00 |
| | | | | | SGMA-transportation | 6173 · Airfare/Mileage | 38.36 |
| TOTAL | | | | | | | 168.93 |
| | Bill Pmt -Check | 07/12/2018 | 20895 | VERIZON WIRELESS | 9808989254 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/22/2018 | 9808989254 | | Acct #642073270-00001 | 7103.7 · Grdwtr Qual-Computer Svc | 100.04 |
| TOTAL | | | | | | | 100.04 |
| | Bill Pmt -Check | 07/12/2018 | 20896 | VISION SERVICE PLAN | 00-101789-0001 | 1012 · Bank of America Gen'l Ckg | |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|------------------------|-------------------|-------------------|--|--|---|-------------|
| Bill | 06/28/2018 | 001017890001 | | Vision Insurance Premium - July 2018 | 60182.2 · Dental & Vision Ins | 88.20 |
| TOTAL | | | | | | 88.20 |
| Bill Pmt -Check | 07/12/2018 | 20897 | WILDERMUTH ENVIRONMENTAL INC | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 05/31/2018 | 2018750 | | 2018750 | 6906.31 · OBMP-Pool, Adv. Board Mtgs | 6,614.38 |
| Bill | 05/31/2018 | 2018151 | | 2018151 | 6906.32 · OBMP-Other General Meetings | 5,319.11 |
| Bill | 05/31/2018 | 2018152 | | 2018152 | 6906.74 · OBMP-Mat'l Phy. Injury Requests | 130.50 |
| Bill | 05/31/2018 | 2018153 | | 2018153 | 6906.71 · OBMP-Data Req.-CBWM Staff | 3,780.85 |
| Bill | 05/31/2018 | 2018154 | | 2018154 | 6906.72 · OBMP-Data Req.-Non CBWM Staff | 917.20 |
| Bill | 05/31/2018 | 2018155 | | 2018155 | 6906 · OBMP Engineering Services | 1,966.00 |
| Bill | 05/31/2018 | 2018156 | | 2018156 | 7103.3 · Grdwtr Qual-Engineering | 15,489.95 |
| Bill | 05/31/2018 | 2018157 | | 2018157 | 7104.3 · Grdwtr Level-Engineering | 13,317.78 |
| Bill | 05/31/2018 | 2018158 | | Neva Ridge Technologies, Inc. | 7107.3 · Grd Level-SAR Imagery | 65,300.00 |
| Bill | 05/31/2018 | 2018159 | | WSP USA | 7107.6 · Grd Level-Contract Svcs | 16,630.67 |
| | | | | 2018159 | 7107.2 · Grd Level-Engineering | 1,939.98 |
| Bill | 05/31/2018 | 2018160 | | 2018160 | 7108.31 · Hydraulic Control - PBHSP | 7,594.92 |
| Bill | 05/31/2018 | 2018161 | | 2018161 | 7109.3 · Recharge & Well - Engineering | 4,040.10 |
| Bill | 05/31/2018 | 2018162 | | 2018162 | 7202.2 · Engineering Svc | 2,464.09 |
| P20 Bill | 05/31/2018 | 2018163 | | 2018163 | 7402 · PE4-Engineering | 10,957.15 |
| Bill | 05/31/2018 | 2018164 | | 2018164 | 7402.10 · PE4 - Northwest MZ1 Area Proj. | 11,243.75 |
| Bill | 05/31/2018 | 2018165 | | 2018165 | 7502 · PE6&7-Engineering | 562.80 |
| Bill | 05/31/2018 | 2018166 | | 2018166 | 7510 · PE6&7-IEUA Salinity Mgmt. Plan | 60,322.73 |
| Bill | 05/31/2018 | 2018167 | | 2018167 | 7602 · PE8&9-Engineering | 33,681.02 |
| Bill | 05/31/2018 | 2018168 | | 2018168 | 6906.27 · HCP Mtgs/Tech. Review-IEUA Cost | 822.50 |
| TOTAL | | | | | | 263,095.48 |
| Bill Pmt -Check | 07/12/2018 | 20898 | YUKON DISPOSAL SERVICE | 08-K2 213849 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/01/2018 | 08-k2 213849 | | July 2018 | 6024 · Building Repair & Maintenance | 117.14 |
| TOTAL | | | | | | 117.14 |
| General Journal | 07/14/2018 | 07/14/2018 | Payroll and Taxes for 07/01/18-07/14/18 | Payroll and Taxes for 07/01/18-07/14/18 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 07/01/18-07/14/18 | 1012 · Bank of America Gen'l Ckg | 26,045.91 |
| | | | | Payroll Taxes for 07/01/18-07/14/18 | 1012 · Bank of America Gen'l Ckg | 8,509.06 |
| | | | ICMA-RC | 457(b) Employee Deductions for 07/01/18-07/14/18 | 1012 · Bank of America Gen'l Ckg | 4,541.43 |
| | | | ICMA-RC | 401(a) Employee Deductions for 07/01/18-07/14/18 | 1012 · Bank of America Gen'l Ckg | 1,311.76 |
| TOTAL | | | | | | 40,408.16 |
| Check | 07/16/2018 | 07/16/2018 | Service Charge | Service Charge | 1012 · Bank of America Gen'l Ckg | |
| | | | | Service Charge | 6039.1 · Banking Service Charges | 598.31 |
| TOTAL | | | | | | 598.31 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------------|---|--|-----------------------------------|-------------|
| General Journal | 07/17/2018 | 07/17/201 | Payroll and Taxes for 07/01/18-07/17/18 | Payroll and Taxes for 07/01/18-07/17/18 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 07/01/18-07/17/18 | 1012 · Bank of America Gen'l Ckg | 3,232.99 |
| | | | | Payroll Taxes for 07/01/18-07/17/18 | 1012 · Bank of America Gen'l Ckg | 638.95 |
| | | | ICMA-RC | 401(a) Employee Deductions for 07/01/18-07/17/18 | 1012 · Bank of America Gen'l Ckg | 43.60 |
| TOTAL | | | | | | 3,915.54 |
| Bill Pmt -Check | 07/20/2018 | ACH 071918 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| General Journal | 07/14/2018 | 07/14/2018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 07/01/18-07/14/18 | 2000 · Accounts Payable | 6,887.13 |
| General Journal | 07/17/2018 | 07/17/2018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 07/01/18-07/17/18 | 2000 · Accounts Payable | 285.42 |
| TOTAL | | | | | | 7,172.55 |
| Bill Pmt -Check | 07/23/2018 | 20899 | APPLIED COMPUTER TECHNOLOGIES | 2991 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 2991 | | Database Consulting Services - June 2018 | 6052.2 · Applied Computer Technol | 4,380.80 |
| TOTAL | | | | | | 4,380.80 |
| Bill Pmt -Check | 07/23/2018 | 20900 | BOWCOCK, ROBERT | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/21/2018 | 6/21 Advisory Comm | | 6/21/18 Advisory Committee | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 07/23/2018 | 20901 | CHEF DAVE'S CAFE & CATERING | 8299 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/28/2018 | 8299 | | Lunch for 6/28/18 Watermaster Board meeting | 6312 · Meeting Expenses | 600.69 |
| TOTAL | | | | | | 600.69 |
| Bill Pmt -Check | 07/23/2018 | 20902 | CORELOGIC INFORMATION SOLUTIONS | 81902142 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 81902142 | | 81902142 | 7103.7 · Grdwtr Qual-Computer Svc | 62.50 |
| | | | | 81902142 | 7101.4 · Prod Monitor-Computer | 62.50 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 07/23/2018 | 20903 | CUCAMONGA VALLEY WATER DISTRICT | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/17/2018 | | | Office lease due August 1, 2018 | 1422 · Prepaid Rent | 6,608.80 |
| TOTAL | | | | | | 6,608.80 |
| Bill Pmt -Check | 07/23/2018 | 20904 | DE BOOM, NATHAN | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/15/2018 | 6/15 Ag Pool Mtg | | 6/15/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 6/15/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 07/23/2018 | 20905 | DE HAAN, HENRY | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|------------------------|-------------------|----------------------|------------------------------------|-------------------------------------|---|-------------|
| Bill | 06/15/2018 | 6/15 Ag Pool Mtg | | 6/15/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 6/15/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 07/23/2018 | 20906 | DI PRIMIO, ROBERT | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 6/14 Personnel Comm | | 6/14/18 Personnel Committee meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/26/2018 | 6/26 Board Agenda | | 6/26/18 Board Agenda preview mtg | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 375.00 |
| Bill Pmt -Check | 07/23/2018 | 20907 | ELIE, STEVEN | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/08/2018 | 6/08 Admin Mtg | | 6/08/18 Administrative meeting w/PK | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 07/23/2018 | 20908 | EUROFINS EATON ANALYTICAL | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | L0396911 | | L0396911 | 7108.4 · Hydraulic Control-Lab Svcs | 496.00 |
| Bill | 06/30/2018 | L0398557 | | L0398557 | 7108.4 · Hydraulic Control-Lab Svcs | 1,225.00 |
| Bill | 06/30/2018 | L0398558 | | L0398558 | 7108.4 · Hydraulic Control-Lab Svcs | 1,488.00 |
| TOTAL | | | | | | 3,209.00 |
| Bill Pmt -Check | 07/23/2018 | 20909 | FILIPPI, GINO | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 07/23/2018 | 20910 | FRONTIER COMMUNICATIONS | 909-484-3890-050914-5 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/17/2018 | 90948438900509145 | | Office fax | 6022 · Telephone | 145.02 |
| TOTAL | | | | | | 145.02 |
| Bill Pmt -Check | 07/23/2018 | 20911 | GREAT AMERICA LEASING CORP. | 23007135 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/17/2018 | 23007135 | | Invoice for July 2018 | 6043.1 · Ricoh Lease Fee | 2,605.07 |
| TOTAL | | | | | | 2,605.07 |
| Bill Pmt -Check | 07/23/2018 | 20912 | KUHN, BOB | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 6/14 Personnel Comm | | 6/14/18 Personnel Committee Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/21/2018 | 6/21 Advisory Comm | | 6/21/18 Advisory Committee Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/26/2018 | 6/26 Board Conf Call | | 6/26/18 Board conference call | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 500.00 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|------------------------|------------|---------------------|-----------------------------------|---|--------------------------------------|-------------|
| Bill Pmt -Check | 07/23/2018 | 20913 | LEGAL SHIELD | 0111802 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/17/2018 | 0111802 | | Employee deductions - July 2018 | 60194 · Other Employee Insurance | 79.70 |
| TOTAL | | | | | | 79.70 |
| Bill Pmt -Check | 07/23/2018 | 20914 | PIERSON, JEFFREY | Board and Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 6/14 Personnel Comm | | 6/14/18 Personnel Committee Mtg | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/15/2018 | 6/15 Ag Pool Mtg | | 6/15/18 Ag Pool Mtg | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/21/2018 | 6/21 Advisory Comm | | 6/21/18 Advisory Committee Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/21/2018 | 6/21 RIPCom Mtg | | 6/21/18 RIPCom Meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 06/26/2018 | 6/26 Admin Mtg | | 6/26/18 Admin mtg w/GM, Board conference call | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 750.00 |
| Bill Pmt -Check | 07/23/2018 | 20915 | PIETERSMA, RONALD | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/15/2018 | 6/15 Ag Pool Mtg | | 6/15/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 6/15/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| P23 Bill Pmt -Check | 07/23/2018 | 20916 | PITNEY BOWES CREDIT CORPORATION | 3102280437 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 3102280437 | | Postage meter lease | 6044 · Postage Meter Lease | 401.91 |
| TOTAL | | | | | | 401.91 |
| Bill Pmt -Check | 07/23/2018 | 20917 | PRINTING RESOURCES | 65182 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/03/2018 | 65182 | | Business cards - Anna Truong Nelson qty: 250 | 6031.7 · Other Office Supplies | 131.25 |
| TOTAL | | | | | | 131.25 |
| Bill Pmt -Check | 07/23/2018 | 20918 | RR FRANCHISING, INC. | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 59118 | | Carpet cleaning on 6/30/18 | 6024 · Building Repair & Maintenance | 600.00 |
| Bill | 07/01/2018 | 58144 | | Monthly service July 2018 | 6024 · Building Repair & Maintenance | 740.00 |
| TOTAL | | | | | | 1,340.00 |
| Bill Pmt -Check | 07/23/2018 | 20919 | STAPLES BUSINESS ADVANTAGE | 8050481445 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 8050481445 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 68.48 |
| TOTAL | | | | | | 68.48 |
| Bill Pmt -Check | 07/23/2018 | 20920 | STATE COMPENSATION INSURANCE FUND | 1970970-18 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/01/2018 | 1970970-18 | | Monthly premium 6/26/18-7/26/18 | 60183 · Worker's Comp Insurance | 552.42 |
| TOTAL | | | | | | 552.42 |
| Bill Pmt -Check | 07/23/2018 | 20921 | STAULA, MARY L | Retiree Medical | 1012 · Bank of America Gen'l Ckg | |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
July 2018

| Type | Date | Num | Name | Memo | Account | Paid Amount | |
|-----------------|-----------------|------------|--|---|--|----------------------------------|-----------|
| Bill | 07/31/2018 | | | Retiree Medical | 60182.4 · Retiree Medical | 25.17 | |
| TOTAL | | | | | | 25.17 | |
| Bill Pmt -Check | 07/23/2018 | 20922 | VERIZON WIRELESS | 9810303037 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 07/17/2018 | 9810303037 | | Acct #470810953-00001 | 6022 · Telephone | 297.37 | |
| TOTAL | | | | | | 297.37 | |
| Bill Pmt -Check | 07/25/2018 | 20923 | INLAND EMPIRE UTILITIES AGENCY | 90022465 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 07/01/2018 | 90022465 | | FY 2018/19 Debt Service Payment | 7690.1 · Recharge Improvement Debt Pymts | 580,585.00 | |
| TOTAL | | | | | | 580,585.00 | |
| Bill Pmt -Check | 07/25/2018 | ACH 072518 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 07/01/2018 | 15345636 | | Annual Lump Sum Prepayment for Plan 27239 | 60180 · Employers PERS Expense | 621.00 | |
| TOTAL | | | | | | 621.00 | |
| Bill Pmt -Check | 07/26/2018 | ACH 072618 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | | |
| Bill | 07/01/2018 | 15345627 | | Annual Unfunded Accrued Liability for Plan 3299 | 60180 · Employers PERS Expense | 5,456.55 | |
| TOTAL | | | | | | 5,456.55 | |
| P 24 | General Journal | 07/28/2018 | 07/28/2018 | Payroll and Taxes for 07/15/18-07/28/18 | Payroll and Taxes for 07/15/18-07/28/18 | 1012 · Bank of America Gen'l Ckg | |
| | | | | | Direct Deposits for 07/15/18-07/28/18 | 1012 · Bank of America Gen'l Ckg | 34,259.38 |
| | | | | | Payroll Taxes for 07/15/18-07/28/18 | 1012 · Bank of America Gen'l Ckg | 11,470.13 |
| | | | | ICMA-RC | 457(b) Employee Deductions for 07/15/18-07/28/18 | 1012 · Bank of America Gen'l Ckg | 4,541.43 |
| | | | | ICMA-RC | 401(a) Employee Deductions for 07/15/18-07/28/18 | 1012 · Bank of America Gen'l Ckg | 1,311.76 |
| TOTAL | | | | | | 51,582.70 | |
| General Journal | 07/31/2018 | 07/31/2018 | Wage Works FSA Direct Debits - July 2018 | Wage Works FSA Direct Debits - July 2018 | 1012 · Bank of America Gen'l Ckg | | |
| | | | | Wage Works FSA Direct Debits - July 2018 | 1012 · Bank of America Gen'l Ckg | 724.98 | |
| | | | | Wage Works FSA Direct Debits - July 2018 | 1012 · Bank of America Gen'l Ckg | 724.98 | |
| | | | | Wage Works FSA Direct Debits - July 2018 | 1012 · Bank of America Gen'l Ckg | 81.50 | |
| TOTAL | | | | | | 1,531.46 | |
| | | | | | Total Disbursements: | 1,500,109.66 | |



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: VISA Check Detail Report - Financial Report B2 (July 31, 2018)

SUMMARY

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

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

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

Future Consideration

Appropriative Pool – September 13, 2018: Receive and File
Non-Agricultural Pool – September 13, 2018: Receive and File
Agricultural Pool – September 13, 2018: Receive and File
Advisory Committee – September 20, 2018: Receive and File
Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 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 July 2018 was \$3,916.14. The payment was processed in the amount of \$3,916.14 (by check number 20874 dated July 12, 2018). The monthly charges for July 2018 of \$3,916.14 were for routine and customary expenditures and properly documented with receipts.

ATTACHMENTS

1. Financial Report - B2

CHINO BASIN WATERMASTER
 VISA Check Detail Report
 July 2018

| Type | Num | Date | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|-----------------|---|----------------------------------|-----------------|
| Bill Pmt -Check | 07/12/2018 | 20874 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | XXXX-XXXX-XXXX-9341 | | Nakano desktop-50% deposit | 6055 · Computer Hardware | 899.20 |
| | | | | Work uniforms for staff | 6154 · Uniforms | 552.12 |
| | | | | Replacement microwave for lunchroom | 6031.7 · Other Office Supplies | 129.29 |
| | | | | Work uniforms for staff | 6154 · Uniforms | 122.90 |
| | | | | Recruitment ad through Brown and Caldwell | 6016 · New Employee Search Costs | 200.00 |
| | | | | Recruitment ad through Water District Jobs | 6016 · New Employee Search Costs | 175.00 |
| | | | | HR meeting with PK, ATN, JJ | 6141.3 · Admin Meetings | 53.59 |
| | | | | GSA Summit-Sacramento-PK lunch | 6191 · Conferences - General | 15.54 |
| | | | | GSA Summit-Sacramento-PK Ontario parking | 6191 · Conferences - General | 72.00 |
| | | | | GSA Summit-Sacramento-PK hotel | 6191 · Conferences - General | 679.40 |
| | | | | PK meeting with S. Elie | 6312 · Meeting Expenses | 37.85 |
| | | | | PK meeting with T. Layton, V. Jew | 8312 · Meeting Expenses | 53.12 |
| | | | | Lunch for 6/14/18 Appropriative and Non-Ag Pool | 8512 · Meeting Expense | 50.00 |
| | | | | Lunch for 6/14/18 Appropriative and Non-Ag Pool | 8312 · Meeting Expenses | 50.00 |
| | | | | Lunch for 6/15/18 Ag Pool discussion | 8412 · Meeting Expenses | 143.20 |
| | | | | SGMA-Sacramento-Airflight-EFT | 6191 · Conferences - General | 348.96 |
| | | | | Early check-in for flight to Sacramento-EFT | 6191 · Conferences - General | 15.00 |
| | | | | Early check-in for flight to Sacramento-EFT | 6191 · Conferences - General | 15.00 |
| | | | | PK meeting with Pierro | 6141.3 · Admin Meetings | 23.30 |
| | | | | PK meeting with Razak | 8312 · Meeting Expenses | 51.01 |
| | | | | Attention To Detail Training-CG | 6191 · Conferences - General | 97.00 |
| | | | | PK meeting with Ulloa | 6312 · Meeting Expenses | 34.36 |
| | | | | Book-Prosperity in the Age of Decline | 6031.7 · Other Office Supplies | 28.29 |
| | | | | Flowers for staff in hospital | 6141.3 · Admin Meetings | 70.01 |
| | | | | Total Disbursements: | | 3,916.14 |

TOTAL

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CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Combining Schedule of Revenue, Expenses and Changes in Net Assets for the Period July 1, 2018 through July 31, 2018 - Financial Report B3 (July 31, 2018)

SUMMARY

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

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

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

Future Consideration

Appropriative Pool – September 13, 2018: Receive and File
Non-Agricultural Pool – September 13, 2018: Receive and File
Agricultural Pool – September 13, 2018: Receive and File
Advisory Committee – September 20, 2018: Receive and File
Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Net Assets for the period July 1, 2018 through July 31, 2018 is provided to keep all members apprised of the FY 2018/19 cumulative Watermaster revenues, expenditures and changes in net assets for the period listed.

DISCUSSION

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

ATTACHMENTS:

1. Financial Report - B3

CHINO BASIN WATERMASTER
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET ASSETS
 FOR THE PERIOD JULY 1, 2018 THROUGH JULY 31, 2018

P31

| | WATERMASTER ADMINISTRATION | OPTIMUM BASIN MANAGEMENT | POOL ADMINISTRATION & SPECIAL PROJECTS | | | GROUNDWATER REPLENISHMENT | LAIF VALUE ADJ. | GASB 75 BEG. NET POSITION | GRAND TOTALS | AMENDED BUDGET 2018-2019 |
|---|-------------------------------|--------------------------------|--|-------------------|------------------|------------------------------|--------------------|---------------------------------|--------------------|--------------------------------|
| | | | APPROPRIATIVE POOL | AG POOL | NON-AG POOL | | | | | |
| Administrative Revenues: | | | | | | | | | | |
| Administrative Assessments | | | - | | - | | | | - | 8,655,545 |
| Interest Revenue | | | - | - | - | | | | - | 63,968 |
| Mutual Agency Project Revenue | 167,712 | | | | | | | | 167,712 | 167,712 |
| Miscellaneous Income | 10 | | | | | | | | 10 | 0 |
| Total Revenues | 167,723 | - | - | - | - | - | - | - | 167,723 | 8,887,225 |
| Administrative & Project Expenditures: | | | | | | | | | | |
| Watermaster Administration | 214,899 | | | | | | | | 214,899 | 1,337,141 |
| Watermaster Board-Advisory Committee | 21,262 | | | | | | | | 21,262 | 226,519 |
| Ag Pool Misc. Expense - Ag Fund | | | | - | | | | | - | 400 |
| Pool Administration | | | 13,223 | 54,261 | 15,328 | | | | 82,812 | 624,643 |
| Optimum Basin Mgmt Administration | | 106,220 | | | | | | | 106,220 | 2,273,267 |
| OBMP Project Costs | | 471,047 | | | | | | | 471,047 | 5,577,248 |
| Debt Service | | 580,585 | | | | | | | 580,585 | 580,585 |
| Basin Recharge Improvements | | - | | | | | | | - | 2,995,562 |
| Total Administrative/OBMP Expenses | 236,161 | 1,157,852 | 13,223 | 54,261 | 15,328 | - | - | - | 1,476,826 | 13,615,365 |
| Net Administrative/OBMP Expenses | (68,438) | (1,157,852) | | | | | | | | |
| Allocate Net Admin Expenses To Pools | <u>68,438</u> | | 49,684 | 16,223 | 2,531 | | | | - | |
| Allocate Net OBMP Expenses To Pools | | 577,267 | 419,078 | 136,837 | 21,352 | | | | - | |
| Allocate Debt Service to App Pool | | 580,585 | 580,585 | | | | | | - | |
| Allocate Basin Recharge to App Pool | | <u>-</u> | - | | | | | | - | |
| Agricultural Expense Transfer* | | | 207,322 | (207,322) | | | | | - | |
| Total Expenses | | | 1,269,892 | - | 39,211 | - | - | - | 1,476,826 | 13,615,365 |
| Net Administrative Income | | | (1,269,892) | - | (39,211) | - | - | - | (1,309,103) | (4,728,140) |
| Other Income/(Expense) | | | | | | | | | | |
| Replenishment Water Assessments | | | | | | - | | | - | 0 |
| Desalter Replenishment Obligation | | | | | | - | | | - | 0 |
| Non-Ag Stored Water Purchases | | | | | | - | | | - | 0 |
| Exhibit "G" Non-Ag Pool Water | | | - | | | - | | | - | 0 |
| Interest Revenue | | | | | | - | | | - | 0 |
| MWD Water Purchases | | | | | | - | | | - | 0 |
| Non-Ag Stored Water Purchases | | | | | | - | | | - | 0 |
| Exhibit "G" Non-Ag Pool Water | | | - | | | - | | | - | 0 |
| MWD Water Purchases | | | | | | - | | | - | 0 |
| Groundwater Replenishment | | | | | | - | | | - | 0 |
| LAIF - Fair Market Value Adjustment | | | | | | | - | | - | 0 |
| Gain on Sale of Assets | | | | | | | - | | - | 0 |
| Other Post-Employment Benefits (OPEB) | | | | | | | | - | - | 0 |
| Refund-Excess Reserves | | | | | | | | - | - | 0 |
| Refund-Recharge Debt | | | | | | | | - | - | 0 |
| Funding To/(From) Reserves | | | | | | | | - | - | 0 |
| Net Other Income/(Expense) | | | - | - | - | - | - | - | - | 0 |
| Net Transfers To/(From) Reserves | | (1,309,103) | (1,269,892) | - | (39,211) | - | - | - | (1,309,103) | (4,728,140) |
| Net Assets, July 1, 2018 | | | 9,661,977 | 493,108 | 80,791 | (4,534) | (20,461) | (443,445) | 9,767,436 | |
| Net Assets, End of Period | | | 8,392,085 | 493,108 | 41,580 | (4,534) | (20,461) | (443,445) | 8,458,333 | 8,458,333 |
| 16/17 Assessable Production | | | 82,269.159 | 26,862.554 | 4,191.579 | | | | 113,323.292 | |
| 16/17 Production Percentages | | | 72.597% | 23.704% | 3.699% | | | | 100.000% | |

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

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CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 -
Financial Report B4 (July 31, 2018)

SUMMARY

Issue: Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of July 1, 2018 through July 31, 2018.

Recommendation: Receive and file Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 2018 as presented.

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

Future Consideration

Appropriative Pool – September 13, 2018: Receive and File
Non-Agricultural Pool – September 13, 2018: Receive and File
Agricultural Pool – September 13, 2018: Receive and File
Advisory Committee – September 20, 2018: Receive and File
Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

A Treasurer's Report of Financial Affairs for the Period July 1, 2018 through July 31, 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
JULY 1, 2018 THROUGH JULY 31, 2018**

Financial Report - B4

DEPOSITORIES:

| | | | | |
|---|-----------|---------|----|-----------------------|
| Cash on Hand - Petty Cash | | | \$ | 500 |
| Bank of America | | | | |
| Governmental Checking-Demand Deposits | \$ | 448,145 | | |
| Zero Balance Account - Payroll | | - | | 448,145 |
| Trust Account - County of San Bernardino | | | | 845 |
| Local Agency Investment Fund - Sacramento | | | | 9,725,442 |
| TOTAL CASH IN BANKS AND ON HAND | | | | \$ 10,174,932 |
| TOTAL CASH IN BANKS AND ON HAND | 7/31/2018 | | | 11,573,163 |
| | 6/30/2018 | | | 11,573,163 |
| PERIOD INCREASE (DECREASE) | | | | \$ (1,398,231) |

CHANGE IN CASH POSITION DUE TO:

| | | | | |
|--|--|--|----|-----------------------|
| Decrease/(Increase) in Assets: | | | \$ | (67,248) |
| Accounts Receivable | | | | - |
| Assessments Receivable | | | | 27,192 |
| Prepaid Expenses, Deposits & Other Current Assets | | | | (21,239) |
| (Decrease)/Increase in Liabilities: | | | | (31,211) |
| Accounts Payable | | | | 3,379 |
| Accrued Payroll, Payroll Taxes & Other Current Liabilities | | | | (1,309,103) |
| Long Term Liabilities | | | | |
| Transfer to/(from) Reserves | | | | |
| PERIOD INCREASE (DECREASE) | | | | \$ (1,398,231) |

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 6/30/2018 | \$ 500 | \$ 668,805 | \$ - | \$ 845 | \$ 10,903,013 | \$ 11,573,163 |
| Deposits | - | 1,279,450 | - | - | 57,429 | 1,336,879 |
| Transfers | - | 116,105 | (73,060) | - | (1,235,000) | (1,191,955) |
| Withdrawals/Checks | - | (1,616,215) | 73,060 | - | - | (1,543,155) |
| | | | | | | |
| Balances as of 7/31/2018 | \$ 500 | \$ 448,145 | \$ - | \$ 845 | \$ 9,725,442 | \$ 10,174,932 |
| | | | | | | |
| PERIOD INCREASE OR (DECREASE) | \$ - | \$ (220,659) | \$ - | \$ - | \$ (1,177,571) | \$ (1,398,231) |
| | | | | | | |

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**CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JULY 1, 2018 THROUGH JULY 31, 2018**

INVESTMENT TRANSACTIONS

| Effective Date | Transaction | Depository | Activity | Redeemed | Days to Maturity | Interest Rate(*) | Maturity Yield |
|--------------------------------------|-------------|------------|-----------------------|------------|------------------|------------------|----------------|
| 7/12/2018 | Interest | | 57,429 | | | | |
| 7/12/2018 | Withdrawal | | (635,000) | | | | |
| 7/25/2018 | Withdrawal | | (600,000) | | | | |
| TOTAL INVESTMENT TRANSACTIONS | | | \$ (1,177,571) | \$0 | | | |

* The earnings rate for L.A.I.F. is a daily variable rate; 1.90% was the effective yield rate at the Quarter ended June 30, 2018.

**INVESTMENT STATUS
July 31, 2018**

| <u>Financial Institution</u> | Principal Amount | Number of Days | Interest Rate | Maturity Date |
|------------------------------|---------------------|----------------|---------------|---------------|
| Local Agency Investment Fund | \$ 9,725,442 | | | |
| TOTAL INVESTMENTS | \$ 9,725,442 | | | |

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

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

Respectfully submitted,



Joseph S. Joswiak
Chief Financial Officer
Chino Basin Watermaster



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Budget vs. Actual Report for the Period July 1, 2018 through July 31, 2018 -
Financial Report B5 (July 31, 2018)

SUMMARY

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

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

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

Future Consideration

Appropriative Pool – September 13, 2018: Receive and File
Non-Agricultural Pool – September 13, 2018: Receive and File
Agricultural Pool – September 13, 2018: Receive and File
Advisory Committee – September 20, 2018: Receive and File
Watermaster Board – September 27, 2018: Receive and File (Normal Course of Business)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

A Budget vs. Actual Report for the period July 1, 2018 through July 31, 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 – JULY 2018

Year-To-Date (YTD) for the one month ending July 31, 2018, all but seven categories were at or below the projected budget. The categories over budget were: (1) the Administration Salary/Benefits expenses (6010's) which were over budget by \$9,977 or 11.1% 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 \$46,466 or 357.4% as a result of miscellaneous legal matters as detailed in the BHFS section; (3) Advisory Committee expenses (6200's) over budget by \$507 or 12.2% as a result of increased BHFS legal activities during the month of July 2018; (4) Watermaster Board expenses (6300's) over budget by \$3,181 or 23.7% as a result of one additional special Board meeting during the month of July 2018; (5) Appropriative Pool Administration expenses (8300's) over budget by \$1,255 or 10.5% as a result of increased legal activities by the Appropriative Pool attorney for the month of July 2018; (6) Agricultural Pool Legal Services (8467's) over budget by \$18,316 or 107.2% as a result of increased legal activities performed by the Agricultural Pool's attorney during the month of July 2018; and (7) Non-Agricultural Pool Administration expenses (8500's) over budget by \$5,941 or 63.3% as a result of increased legal activities performed by the Non-Agricultural Pool's attorney during the month of July 2018. For the majority of the expense categories within the Watermaster budget for FY 2018/19, the individual line-item budgets are divided into 12-monthly amounts and allocated accordingly. As the fiscal year progresses, these categories listed above could level out over time and be within the budget levels.

Overall, the Watermaster (YTD) Actual Expenses were \$4,826,104 or 76.6% below the (YTD) Budgeted Expenses of \$6,302,930.

During the month of July 2018, the "Carry Over" funding was calculated. The Total "Carry Over" funding amount of \$4,728,140.07 has been posted to the general ledger accounts. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services. More detailed information is provided regarding this issue under the "Carry Over" Funding section.

The Amended Budget for FY 2018/19 is \$13,615,365.07 which includes \$4,728,140.07 for the prior years "Carry Over" funding. The Original Approved budget for FY 2018/19 of \$8,887,225 was adopted by the Watermaster Board on May 24, 2018 ($\$8,887,225 + \$4,728,140.07 = \$13,615,365.07$).

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None:

SALARIES EXPENSE

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) Watermaster salary expenses were \$10,217 or 6.4% below the (YTD) budgeted amount of \$158,701. The overall staffing budget was developed with a staffing level of ten Full-

Time Equivalents (FTE's), and staffing is currently at eight Full-Time Equivalents (FTE's) at the end of July 2018.

The Sr. Field Operations Specialist submitted his written resignation on July 3, 2018 and left employment of Watermaster on July 17, 2018. Watermaster staff met with the Personnel Committee on August 23, 2018 to discuss the plan to reclassify Position #10 from a Water Resources Associate to a Sr. Field Operations Specialist. The Personnel Committee unanimously approved and recommended moving forward with the new position reclassification and adjustment.

The positions of Field Operations Specialist (Position #9) and Sr. Field Operations Specialist (Position #10) are currently under recruitment. The final selection of the two top candidates, along with issuance of a conditional offer of employment will take place before September 10, 2018 with the final screening process being successful completion of a background investigation, passing a drug test, and passing a pre-employment physical. The two positions are anticipated to be onboard with Watermaster as early as October 1, 2018. Both candidates will be introduced to the Watermaster parties at the Pools, Advisory, and Board meetings scheduled for October 2018.

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

When the FY 2018/19 budget was developed, basic assumptions were used in allocating how staff's time would be spent and on which of the projects or activities. The staffing dollars were then allocated into those specific areas and budgeted on a 1/12 monthly budget. When actual staffing activities vary from the budgeted assumptions, a positive or negative variance can be created. Currently, the allocations are tracking within budget.

The table summarizes the Year-To-Date (YTD) Actual Watermaster salary costs compared to the Year-To-Date (YTD) Budget as of July 31, 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 '18 - Jul '18 Actual | Jul '18 - Jul '18 Budget | \$ Over Budget | % of Budget | FY 2018/19 Annual Budget |
|--|-----------------------------|-----------------------------|-------------------|----------------|-----------------------------|
| WM Salary Expense | | | | | |
| 6011 · WM Staff Salaries | 70,859.87 | 84,037.00 | -13,177.13 | 84.32% | 993,161.00 |
| 6011.1 · WM Staff Salaries - Overtime | 238.72 | 0.00 | 238.72 | 100.0% | 0.00 |
| 6011.4 · 457(f) NQDC Plan | 3,378.63 | 2,470.00 | 908.63 | 136.79% | 37,034.00 |
| 6015 · Miscellaneous Payments | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6017 · Temporary Services | 0.00 | 1,750.00 | -1,750.00 | 0.0% | 21,000.00 |
| 6201 · Advisory Committee - WM Staff Salaries | 2,218.92 | 2,137.00 | 81.92 | 103.83% | 25,259.00 |
| 6301 · Watermaster Board - WM Staff Salaries | 3,482.36 | 3,420.00 | 62.36 | 101.82% | 40,422.00 |
| 8301 · Appropriative Pool - WM Staff Salaries | 3,403.21 | 3,180.00 | 223.21 | 107.02% | 37,577.00 |
| 8401 · Agricultural Pool - WM Staff Salaries | 1,834.87 | 2,693.00 | -858.13 | 68.14% | 31,829.00 |
| 8501 · Non-Agricultural Pool - WM Staff Salaries | 1,498.33 | 1,837.00 | -338.67 | 81.56% | 21,712.00 |
| 6901 · OBMP - WM Staff Salaries | 3,401.84 | 11,924.00 | -8,522.16 | 28.53% | 140,931.00 |
| 7101.1 · Production Monitor - WM Staff Salaries | 4,923.34 | 5,424.00 | -500.66 | 90.77% | 64,095.00 |
| 7102.1 · In-line Meter - WM Staff Salaries | 0.00 | 1,579.00 | -1,579.00 | 0.0% | 18,657.00 |
| 7103.1 · Grdwater Quality - WM Staff Salaries | 4,384.08 | 6,076.00 | -1,691.92 | 72.15% | 71,806.00 |
| 7104.1 · Grdwater Level - WM Staff Salaries | 6,225.69 | 5,371.00 | 854.69 | 115.91% | 63,475.00 |
| 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 | 0.00 | 448.00 | -448.00 | 0.0% | 5,290.00 |
| 7108.1 · Hydraulic Control - WM Staff Salaries | 0.00 | 340.00 | -340.00 | 0.0% | 4,015.00 |
| 7108.11 · Prado Basin - WM Staff Salaries | 0.00 | 463.00 | -463.00 | 0.0% | 5,466.00 |
| 7201 · Comp Recharge - WM Staff Salaries | 3,619.98 | 4,949.00 | -1,329.02 | 73.15% | 58,482.00 |
| 7301 · PE3&5 - WM Staff Salaries | 1,474.40 | 1,368.00 | 106.40 | 107.78% | 16,174.00 |
| 7401 · PE4 - WM Staff Salaries | 1,179.52 | 839.00 | 340.52 | 140.59% | 9,919.00 |
| 7501 · PE6&7 - WM Staff Salaries | 0.00 | 473.00 | -473.00 | 0.0% | 5,588.00 |
| 7501.1 · PE 6&7 - WM Staff Salaries (Plume) | 0.00 | 417.00 | -417.00 | 0.0% | 4,925.00 |
| 7601 · PE8&9 - WM Staff Salaries | 423.89 | 1,806.00 | -1,382.11 | 23.47% | 21,350.00 |
| Subtotal WM Staff Costs | 112,547.65 | 143,001.00 | -30,453.35 | 78.7% | 1,698,167.00 |
| 60185 · Vacation | 27,445.86 | 6,521.00 | 20,924.86 | 420.88% | 77,067.00 |
| 60186 · Sick Leave | 3,992.50 | 4,624.00 | -631.50 | 86.34% | 54,656.00 |
| 60187 · Holidays | 4,497.64 | 4,555.00 | -57.36 | 98.74% | 68,319.00 |
| Subtotal WM Paid Leaves | 35,936.00 | 15,700.00 | 20,236.00 | 228.89% | 200,042.00 |
| Total WM Salary Costs | 148,483.65 | 158,701.00 | -10,217.35 | 93.56% | 1,898,209.00 |

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

LEGAL SERVICES
BROWNSTEIN HYATT FARBER SCHRECK EXPENSES

CURRENT MONTH – JULY 2018

The Watermaster Legal Services budget was developed jointly by the Watermaster staff and Brownstein Hyatt Farber Schreck staff with specific assumptions regarding the tasks and legal activities that would occur during FY 2018/19. The total legal services budget was developed by multiplying the number of hours that would be required to complete the specific tasks by the hourly rate. The “Approved” budget was adopted for the original amount of \$963,028.

As of July 31, 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 \$26,017 or 32.3% above the (YTD) budgeted amount of \$80,614.

WATERMASTER ADMINISTRATIVE LEGAL SERVICES:

Overall, the Watermaster Administrative Legal Services expense (6070's) as of July 31, 2018, was \$46,466 or 357.4% above the budgeted amount of \$13,002. The specific items within the Administrative Legal Services expenses (6070's) which were over budget were Court Coordination (6071) over budget by \$28,463 or 781.7%; Personnel Matters (6073) which were over budget by \$2,908 or 352.5%; Party Status Maintenance (6077) which were over budget by \$1,680 or 111.0%; and the Miscellaneous

Category (6078) which were over budget by \$17,288 or 548.8%. Please see Note 1 on the following page for a more detailed explanation of the miscellaneous types of expenses (6078).

The specific items within the Administrative Legal Services expenses (6070's) which were under budget were the expenses for Rules and Regulations (6072) under budget by \$903 or 100.0%; and Interagency Issues (6074) under budget by \$2,970 or 100.0%.

WATERMASTER POOLS, ADVISORY AND BOARD LEGAL SERVICES:

The Pools, Advisory Committee and the Board meeting legal expenses from BHFS are captured by month within the accounts (6275, 6375, 6375.1, 8375, 8475 and 8575). The legal service costs associated with the Board Workshop(s) are also included as part of this group. Overall, this category of legal expenses as of July 31, 2018 was \$1,038 or 6.3% above the budgeted amount of \$16,425. Normal Brownstein Hyatt Farber Schreck meeting attendance during any given month includes attendance at all three pool meetings, one Advisory Committee meeting and one Board meeting. The legal services budget was developed with the assumption of having eleven months of meetings, intentionally excluding the month of December 2018. With regards to the Board Meeting expenses (6375), an additional Special Board Meeting was held during the month of July 2018 which increased the legal services for this category.

OBMP LEGAL SERVICES:

The OBMP legal expenses (accounts 6907.31 through 6907.90) were below the budget for the month. As of July 31, 2018 the category of OBMP legal expenses were \$21,487 or 42.0% below the budgeted amount of \$51,187. The majority of expenses within this OBMP category were under budget (YTD), however, the Safe Yield Redetermination and Reset legal expenses (6907.42) were over budget by \$11,782 or 124.0%.

The table listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of July 31, 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:

| | <u>Jul '18 - Jul '18</u> <u>Actual</u> | <u>Jul '18 - Jul '18</u> <u>Budget</u> | <u>\$ Over Budget</u> | <u>% of Budget</u> | <u>FY 2018/19</u> <u>Annual Budget</u> |
|---|---|---|-----------------------|--------------------|---|
| 6070 · Watermaster Legal Services | | | | | |
| 6071 · BHFS Legal - Court Coordination | 32,104.11 | 3,641.00 | 28,463.11 | 881.74% | 43,700.00 |
| 6072 · BHFS Legal - Rules & Regulations | 0.00 | 903.00 | -903.00 | 0.0% | 10,825.00 |
| 6073 · BHFS Legal - Personnel Matters | 3,732.75 | 825.00 | 2,907.75 | 452.46% | 9,900.00 |
| 6074 · BHFS Legal - Interagency Issues | 0.00 | 2,970.00 | -2,970.00 | 0.0% | 35,640.00 |
| 6076 · BHFS Legal - Storage Issues | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 |
| 6077 · BHFS Legal - Party Status Maintenance | 3,192.75 | 1,513.00 | 1,679.75 | 211.02% | 18,150.00 |
| 6078 · BHFS Legal - Miscellaneous (Note 1) | 20,438.30 | 3,150.00 | 17,288.30 | 648.84% | 37,800.00 |
| Total 6070 · Watermaster Legal Services | 59,467.91 | 13,002.00 | 46,465.91 | 457.38% | 156,015.00 |
| | | | | | |
| 6275 · BHFS Legal - Advisory Committee | 2,434.60 | 1,980.00 | 454.60 | 122.96% | 21,780.00 |
| 6375 · BHFS Legal - Board Meeting | 9,512.12 | 7,020.00 | 2,492.12 | 135.5% | 77,220.00 |
| 6375.1 · BHFS Legal - Board Workshop(s) | 0.00 | 0.00 | 0.00 | 0.0% | 12,038.00 |
| 8375 · BHFS Legal - Appropriative Pool | 1,838.81 | 2,475.00 | -636.19 | 74.3% | 27,225.00 |
| 8475 · BHFS Legal - Agricultural Pool | 1,838.81 | 2,475.00 | -636.19 | 74.3% | 27,225.00 |
| 8575 · BHFS Legal - Non-Ag Pool | 1,838.81 | 2,475.00 | -636.19 | 74.3% | 27,225.00 |
| Total BHFS Legal Services | 17,463.15 | 16,425.00 | 1,038.15 | 106.32% | 192,713.00 |
| | | | | | |
| 6907.3 · WM Legal Counsel | | | | | |
| 6907.31 · Archibald South Plume | 0.00 | 1,091.00 | -1,091.00 | 0.0% | 13,125.00 |
| 6907.32 · Chino Airport Plume | 0.00 | 1,091.00 | -1,091.00 | 0.0% | 13,125.00 |
| 6907.33 · Desalter/Hydraulic Control | 0.00 | 1,966.00 | -1,966.00 | 0.0% | 23,625.00 |
| 6907.34 · Santa Ana River Water Rights | 278.10 | 1,359.00 | -1,080.90 | 20.46% | 16,275.00 |
| 6907.36 · Santa Ana River Habitat | 141.75 | 3,612.00 | -3,470.25 | 3.92% | 43,300.00 |
| 6907.38 · Reg. Water Quality Cntrl Board | 0.00 | 1,312.00 | -1,312.00 | 0.0% | 15,750.00 |
| 6907.39 · Recharge Master Plan | 2,442.28 | 3,950.00 | -1,507.72 | 61.83% | 47,400.00 |
| 6907.40 · Storage Agreements | 603.45 | 7,700.00 | -7,096.55 | 7.84% | 92,400.00 |
| 6907.41 · Prado Basin Habitat Sustainability | 0.00 | 1,356.00 | -1,356.00 | 0.0% | 16,250.00 |
| 6907.42 · Safe Yield Recalculation | 21,282.49 | 9,500.00 | 11,782.49 | 224.03% | 114,000.00 |
| 6907.44 · SGMA Compliance | 4,952.13 | 6,575.00 | -1,622.87 | 75.32% | 78,900.00 |
| 6907.45 · OBMP Update | 0.00 | 9,013.00 | -9,013.00 | 0.0% | 108,200.00 |
| 6907.90 · WM Legal Counsel - Unanticipated | 0.00 | 2,662.00 | -2,662.00 | 0.0% | 31,950.00 |
| Total 6907 · WM Legal Counsel | 29,700.20 | 51,187.00 | -21,486.80 | 58.02% | 614,300.00 |
| | | | | | |
| Total Brownstein, Hyatt, Farber, Schreck Costs | 106,631.26 | 80,614.00 | 26,017.26 | 132.27% | 963,028.00 |

Note 1: The types of legal activities that have been charged against the "Miscellaneous" legal category account 6078 are as follows:
 (1) Correspondence and discussions with Watermaster staff regarding current issues/topics; (2) Correspondence with Watermaster staff regarding special projects (assessment package, replenishment obligations, annual report, audit report, business plan, etc.); (3) Brownstein's status review of ongoing Watermaster projects and issues; (4) Brownstein's update of the outstanding issues list; (5) Coordination of ongoing Watermaster projects; (6) Review of draft documents and contracts; (7) Review transfer documents; (8) Ground-Level Monitoring Committee reports/meetings; (9) Review process and criteria for SGMA reporting; (10) MVWD SCADA Agreement and installation; (11) Angelica Corporation Bankruptcy matter; (12) NRG/GENON Bankruptcy matter; (13) Pomona extensometer project, CEQA review and compliance; (14) Desalter Replenishment obligations, assessment methodologies, and ongoing issues; (15) Master Cost Sharing Agreement with IEUA; (16) Estimation and adoption of an evaporative loss policy for Recharge; (17) CalMat intervention; (18) Angelica's water rights transfer; (19) Exhibit "G" rate issues; (20) Blomquist outline review; (21) Right of Entry Agreements for various locations; and (22) Miscellaneous legal research on current and pending issues.

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None

OBMP ENGINEERING SERVICES AND LEGAL COSTS

CURRENT MONTH – JULY 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 one month ending July 31, 2018, the actual expenses of \$103,953 were below the budgeted amount of \$185,743 by \$81,790 or 44.0%. For a detailed discussion, the following is provided.

For July 31, 2018, the accounts 6901-6903 (Optimum Basin Mgmt. Program) section was below the Year-To-Date (YTD) budget by \$8,843 or 47.4%. 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 \$8,522 or 71.5%. The remaining expense was the Santa Ana Watershed Project Authority (SAWPA) FY 2018/19 Basin Monitoring Program Task Force Contribution which was budgeted at \$6,742 and actual expenses were \$321 or 4.8% below budget as of July 31, 2018.

For July 31, 2018, the accounts 6906 (Optimum Basin Mgmt. Program Engineering Services) section was below the Year-To-Date (YTD) budget by \$51,003 or 44.3%. The majority of expenses within this OBMP category were under budget (YTD), however, the accounts which were over budget were as follows: the Water Rights Compliance Reporting expenses (6906.22) which were over budget by \$5,436 or 254.4%; the OBMP-Data Requests-CBWM Staff Engineering Services expenses (6906.71) which were over budget by \$8,144 or 97.7%; and the OBMP-2018 RMPU Master Update expenses (6906.90) which were over budget by \$22,451 or 495.3%.

Within the category 6907 (Optimum Basin Mgmt. Program Legal Fees) are the remaining Brownstein Hyatt Farber Schreck (BHFS) Watermaster's legal expenses. Within the legal expense category, some individual line item activities were above the budget by \$11,782 while some other line item activities were below the budget by \$33,269. Above the budget line item was the Safe Yield Redetermination and Reset expenses of \$11,782. The individual legal projects/activities that were below budget for the Year-To-Date (YTD) period were the Archibald South Plume of \$1,091; the Chino Airport Plume of \$1,091; the Desalter/Hydraulic Control of \$1,966; the Santa Ana River Habitat expenses of \$3,470; the Regional Water Quality Control Board of \$1,312; the Recharge Master Plan of \$1,508; Storage Agreements of \$7,097; the Prado Basin Habitat Sustainability of \$1,356; SGMA Compliance of \$1,623; OBMP Update of \$9,013; and the WM Unanticipated legal expenses of \$2,662. For the one month ended July 31, 2018, the overall cumulative (YTD) budget was \$51,187 and the actual (BHFS) legal expenses totaled \$29,700 which resulted in an under budget variance of \$21,487 or 42.0%.

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 July 31, 2018 this category of expenses was \$457 or 65.2% below the budgeted amount of \$701.

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 Sevaire 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 July 31, 2018 this category of expenses was fully invoiced in the amount of \$0 to IEUA.

Overall, the Optimum Basin Management Program (OBMP) category was \$103,953 compared to a (YTD) budget of \$185,743 for an under budget of \$81,790 or 44.0% as of July 31, 2018.

The table listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of July 31, 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 '18 - Jul '18 Actual | Jul '18 - Jul '18 Budget | \$ Over Budget | % of Budget | FY 2018/19 Annual Budget |
|--|-----------------------------|-----------------------------|-------------------|---------------|-----------------------------|
| 6900 · Optimum Basin Mgmt Plan | | | | | |
| 6901 · WM Staff Salaries | 3,401.84 | 11,924.00 | -8,522.16 | 28.53% | 140,931.00 |
| 6903 · OBMP SAWPA Group | 6,421.00 | 6,742.00 | -321.00 | 95.24% | 6,742.00 |
| Total 6901-6903 · OBMP WM Staff/SAWPA | 9,822.84 | 18,666.00 | -8,843.16 | 52.62% | 147,673.00 |
| 6906 · OBMP Engineering Services | | | | | |
| 6906.1 · OBMP - Watermaster Model Update | 0.00 | 4,875.00 | -4,875.00 | 0.0% | 58,544.00 |
| 6906.15 · Integrated Model Mtgs. - IEUA Costs | 1,180.00 | 1,667.00 | -487.00 | 70.79% | 19,960.00 |
| 6906.21 · State of the Basin Report | 0.00 | 13,200.00 | -13,200.00 | 0.0% | 158,422.00 |
| 6906.22 · Water Rights Compliance Reporting | 7,572.65 | 2,137.00 | 5,435.65 | 354.36% | 25,650.00 |
| 6906.23 · SGMA Reporting Requirements | 0.00 | 1,125.00 | -1,125.00 | 0.0% | 13,500.00 |
| 6906.24 · Compliance - SB88 and SWRCB | 0.00 | 678.00 | -678.00 | 0.0% | 8,092.00 |
| 6906.26 · 2019 OBMP Update | 0.00 | 13,239.00 | -13,239.00 | 0.0% | 158,872.00 |
| 6906.27 · HCP Meetings/Tech. Review-IEUA Cost | 0.00 | 1,486.00 | -1,486.00 | 0.0% | 17,810.00 |
| 6906.28 · Agriculture Prod. & Estimation | 0.00 | 1,871.00 | -1,871.00 | 0.0% | 22,452.00 |
| 6906.31 · OBMP - Pool, Advisory, Board Mtgs. | 6,853.55 | 8,163.00 | -1,309.45 | 83.96% | 97,962.00 |
| 6906.32 · OBMP - Other General Meetings | 1,737.25 | 6,755.00 | -5,017.75 | 25.72% | 81,093.00 |
| 6906.71 · OBMP - Data Requests - CBWM Staff | 16,480.98 | 8,337.00 | 8,143.98 | 197.69% | 100,044.00 |
| 6906.72 · OBMP - Data Requests - Non CBWM | 1,381.70 | 2,692.00 | -1,310.30 | 51.33% | 32,348.00 |
| 6906.73 · OBMP - Safe Yield Recalculation | 0.00 | 33,907.00 | -33,907.00 | 0.0% | 406,884.00 |
| 6906.74 · OBMP - Mat'l Phy. Injury Requests | 513.30 | 6,000.00 | -5,486.70 | 8.56% | 71,967.00 |
| 6906.81 · Prepare Annual Reports | 707.60 | 1,623.00 | -915.40 | 43.6% | 19,498.00 |
| 6906.9 · OBMP - 2018 RMPU Master Update | 26,983.90 | 4,533.00 | 22,450.90 | 595.28% | 54,396.00 |
| 6906 · OBMP Engineering Services - Other | 774.80 | 2,901.00 | -2,126.20 | 26.71% | 34,768.00 |
| Total 6906 · OBMP Engineering Services | 64,185.73 | 115,189.00 | -51,003.27 | 55.72% | 1,382,262.00 |
| 6907 · OBMP Legal Fees | | | | | |
| 6907.3 · WM Legal Counsel | | | | | |
| 6907.31 · Archibald South Plume | 0.00 | 1,091.00 | -1,091.00 | 0.0% | 13,125.00 |
| 6907.32 · Chino Airport Plume | 0.00 | 1,091.00 | -1,091.00 | 0.0% | 13,125.00 |
| 6907.33 · Desalter/Hydraulic Control | 0.00 | 1,966.00 | -1,966.00 | 0.0% | 23,625.00 |
| 6907.34 · Santa Ana River Water Rights | 278.10 | 1,359.00 | -1,080.90 | 20.46% | 16,275.00 |
| 6907.36 · Santa Ana River Habitat | 141.75 | 3,612.00 | -3,470.25 | 3.92% | 43,300.00 |
| 6907.38 · Reg. Water Quality Cntrl Board | 0.00 | 1,312.00 | -1,312.00 | 0.0% | 15,750.00 |
| 6907.39 · Recharge Master Plan | 2,442.28 | 3,950.00 | -1,507.72 | 61.83% | 47,400.00 |
| 6907.40 · Storage Agreements | 603.45 | 7,700.00 | -7,096.55 | 7.84% | 92,400.00 |
| 6907.41 · Prado Basin Habitat Sustainability | 0.00 | 1,356.00 | -1,356.00 | 0.0% | 16,250.00 |
| 6907.42 · Safe Yield Recalculation | 21,282.49 | 9,500.00 | 11,782.49 | 224.03% | 114,000.00 |
| 6907.44 · SGMA Compliance | 4,952.13 | 6,575.00 | -1,622.87 | 75.32% | 78,900.00 |
| 6907.45 · OBMP Update | 0.00 | 9,013.00 | -9,013.00 | 0.0% | 108,200.00 |
| 6907.90 · WM Legal Counsel - Unanticipated | 0.00 | 2,662.00 | -2,662.00 | 0.0% | 31,950.00 |
| Total 6907 · WM Legal Counsel | 29,700.20 | 51,187.00 | -21,486.80 | 58.02% | 614,300.00 |
| Total 6907 · OBMP Legal Fees | 29,700.20 | 51,187.00 | -21,486.80 | 58.02% | 614,300.00 |
| 6909 · OBMP Other Expenses | | | | | |
| 6909.1 · OBMP Meetings | 243.73 | 125.00 | 118.73 | 194.98% | 1,500.00 |
| 6909.3 · Other OBMP Expenses | 0.00 | 163.00 | -163.00 | 0.0% | 2,000.00 |
| 6909.6 · OBMP Expenses - Miscellaneous | 0.00 | 413.00 | -413.00 | 0.0% | 5,000.00 |
| Total 6909 · OBMP Other Expenses | 243.73 | 701.00 | -457.27 | 34.77% | 8,500.00 |
| 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 | 103,952.50 | 185,743.00 | -81,790.50 | 55.97% | 2,152,735.00 |

PREVIOUSLY REPORTED ACTIONS (Descending Order)
None

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

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) Engineering Services expenses were \$1,689,392 or 89.3% below the (YTD) budget amount of \$1,891,440. The OBMP Implementation Projects (consolidated accounts 7100's – 7700's) were all under budget as of July 31, 2018, with the exception of the Groundwater Quality-Engineering expenses (7103.3) which were over budget by \$2,673 or 16.1%; and PE4-Engineering expenses (7402) which were over budget by \$16,083 or 184.0%.

The breakdown of the total Task Order amount of \$2,929,798 includes direct labor costs for Wildermuth Environmental, Inc. (87.2%) along with other direct charges such as equipment rental, laboratory fees, travel costs, reproduction costs, and outside professional services (12.8%).

The approved "Original" Engineering Services budget of \$2,929,798 was increased by "Carry Over" funding in the amount of \$1,594,653 to the "Amended" amount of \$4,524,451 for FY 2018/19 as provided in the Engineering Services Task Order. All of the "Carry Over" funding is for projects or activities that have bridged previous fiscal years and are expected to be completed in the FY 2018/19 timeframe or future years. The Carry-Over amount of \$1,594,653 from FY 2017/18 to the FY 2018/19 budget are provided in detail as follows:

1. 7107.2 Ground-Level - Engineering Services of \$24,822. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
2. 7107.6 Ground-Level - Contract Services of \$20,727. The Watermaster's Subsidence Management Plan includes a "long-term pumping test" in the Managed Area to test the Guidance Level that was budgeted for in FY 2017/18. The test was not performed in FY 2017/18. This carryover budget will support the monitoring of injection, production, groundwater levels, and ground motion associated with the test, if it is performed in FY 2018/19.
3. 7402.1 OBMP Engineering Services Northwest MZ-1 for \$1,530,279. The installation of the Pomona Extensometer has been delayed until FY 2018/19 and the monitoring program in Northwest MZ-1 has not yet been fully implemented. The carryover request will support the efforts to drill, construct, equip, test, and document the installation of the Pomona Extensometer, and complete the installation of the monitoring network in Northwest MZ-1.
4. 7510 IEUA - Update Recycled Water Permit-Salinity for \$18,825. The Salinity Management effort is a 2.5-year project and is being cost shared with IEUA. FY 2017/18 was the first year of implementation. The unspent budget in FY 2017/18 is necessary to complete the total project.

Wildermuth Environmental, Inc. provides Watermaster an Estimated Cost at Completion (ECAC) report each quarter. The purpose of this ECAC report is to update Watermaster on whether or not the Engineering Services budget will be above or below budget at the end of the fiscal year. If the Engineering Services budget is expected to be above budget at fiscal year-end, a Budget Amendment or Budget Transfer Form would need to be approved to ensure funding. The first quarter ECAC report (for the months July 2018 - September 2018) is scheduled to be produced by Wildermuth Environmental, Inc. and distributed to Watermaster during the month of October 2018.

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 July 31, 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 '18 - Jul '18 | Jul '18 - Jul '18 | | | FY 2018/19 |
|---|-------------------|---------------------|----------------------|---------------|-----------------------|
| | Actual | Budget | \$ Over Budget | % of Budget | Annual Budget |
| 6906 · OBMP Engineering Services - Other | 774.80 | 2,901.00 | -2,126.20 | 26.71% | 34,768.00 |
| 6906.1 · OBMP - Watermaster Model Update | 0.00 | 4,875.00 | -4,875.00 | 0.0% | 58,544.00 |
| 6906.15 · Integrated Model Mtgs-IEUA Cost | 1,180.00 | 1,667.00 | -487.00 | 70.79% | 19,960.00 |
| 6906.21 · State of the Basin Report | 0.00 | 13,200.00 | -13,200.00 | 0.0% | 158,422.00 |
| 6906.22 · Water Rights Compliance Reporting | 7,572.65 | 2,137.00 | 5,435.65 | 354.36% | 25,650.00 |
| 6906.23 · SGMA Reporting Requirements | 0.00 | 1,125.00 | -1,125.00 | 0.0% | 13,500.00 |
| 6906.24 · Compliance - SB88 and SWRCB | 0.00 | 678.00 | -678.00 | 0.0% | 8,092.00 |
| 6906.26 · 2019 obmp Update | 0.00 | 13,239.00 | -13,239.00 | 0.0% | 158,872.00 |
| 6906.27 · HCP Meetings/Technical Review-IEUA Cost | 0.00 | 1,486.00 | -1,486.00 | 0.0% | 17,810.00 |
| 6906.28 · Agriculture Prod. & Estimation | 0.00 | 1,871.00 | -1,871.00 | 0.0% | 22,452.00 |
| 6906.31 · OBMP - Pool, Advisory, Board Mtgs. | 6,853.55 | 8,163.00 | -1,309.45 | 83.96% | 97,962.00 |
| 6906.32 · OBMP - Other General Meetings | 1,737.25 | 6,755.00 | -5,017.75 | 25.72% | 81,093.00 |
| 6906.71 · OBMP - Data Requests - CBWM Staff | 16,480.98 | 8,337.00 | 8,143.98 | 197.69% | 100,044.00 |
| 6906.72 · OBMP - Data Requests - Non CBWM | 1,381.70 | 2,692.00 | -1,310.30 | 51.33% | 32,348.00 |
| 6906.73 · OBMP - Safe Yield Recalculation | 0.00 | 33,907.00 | -33,907.00 | 0.0% | 406,884.00 |
| 6906.74 · OBMP - Mat'l Physical Injury Requests | 513.30 | 6,000.00 | -5,486.70 | 8.56% | 71,967.00 |
| 6906.81 · Prepare Annual Reports | 707.60 | 1,623.00 | -915.40 | 43.6% | 19,498.00 |
| 6906.90 · OBMP - 2018 RMPU Master Update | 26,983.90 | 4,533.00 | 22,450.90 | 595.28% | 54,396.00 |
| 7103.3 · Grdwtr Qual-Engineering | 19,276.72 | 16,604.00 | 2,672.72 | 116.1% | 199,243.00 |
| 7103.5 · Grdwtr Qual-Lab Svcs | 0.00 | 6,470.00 | -6,470.00 | 0.0% | 38,820.00 |
| 7104.3 · Grdwtr Level-Engineering | 8,398.87 | 20,027.00 | -11,628.13 | 41.94% | 240,328.00 |
| 7104.8 · Grdwtr Level-Contracted Services | 0.00 | 837.00 | -837.00 | 0.0% | 10,000.00 |
| 7104.9 · Grdwtr Level-Capital Equipment | 0.00 | 663.00 | -663.00 | 0.0% | 8,000.00 |
| 7107.2 · Grd Level-Engineering | 4,488.18 | 30,940.00 | -26,451.82 | 14.51% | 98,243.00 |
| 7107.3 · Grd Level-SAR Imagery | 12,000.00 | 15,000.00 | -3,000.00 | 80.0% | 85,000.00 |
| 7107.6 · Grd Level-Contract Svcs | 9,370.71 | 26,689.00 | -17,318.29 | 35.11% | 92,227.00 |
| 7107.8 · Grd Level-Capital Equipment | 0.00 | 1,054.00 | -1,054.00 | 0.0% | 12,692.00 |
| 7108.31 · Hydraulic Control-PBHSP | 0.00 | 6,429.00 | -6,429.00 | 0.0% | 77,159.00 |
| 7108.4 · Hydraulic Control-Lab Svcs | 1,634.00 | 2,260.00 | -626.00 | 72.3% | 9,038.00 |
| 7108.41 · Hydraulic Control-PBHSP | 0.00 | 0.00 | 0.00 | 0.0% | 15,026.00 |
| 7108.6 · Hydraulic Control-Outside Professionals | 0.00 | 837.00 | -837.00 | 0.0% | 10,000.00 |
| 7109.3 · Recharge & Well - Engineering | 0.00 | 2,104.00 | -2,104.00 | 0.0% | 25,248.00 |
| 7202.2 · Comp Recharge-Engineering Services | 2,010.90 | 7,633.00 | -5,622.10 | 26.35% | 91,640.00 |
| 7303 · PE3&5-Engineering - Other | 0.00 | 817.00 | -817.00 | 0.0% | 9,760.00 |
| 7402 · PE4-Engineering | 24,826.40 | 8,743.00 | 16,083.40 | 283.96% | 104,910.00 |
| 7402.10 · PE4-MZ1 Pomona Project | 1,619.64 | 1,544,709.00 | -1,543,089.36 | 0.11% | 1,703,417.00 |
| 7403 · PE4-Contract Svcs | 0.00 | 837.00 | -837.00 | 0.0% | 10,000.00 |
| 7502 · PE6&7-Engineering | 4,356.00 | 7,326.00 | -2,970.00 | 59.46% | 87,912.00 |
| 7510 · PE6&7-IEUA Salinity Mgmt. Plan | 0.00 | 26,272.00 | -26,272.00 | 0.0% | 108,178.00 |
| 7602 · PE8&9-Engineering | 49,880.50 | 50,000.00 | -119.50 | 99.76% | 105,348.00 |
| Total Engineering Services Costs | 202,047.65 | 1,891,440.00 | -1,689,392.35 | 10.68% | 4,524,451.00 * |

* Wildermuth and Subcontractor Engineering Budget of \$2,929,798 plus Carryover Funds from FY 2017/18 of \$1,594,653
Carryover Funds from FY 2017/18 of \$1,594,653 = \$24,822 (7107.2); \$20,727 (7107.6); \$1,530,279 (7402.10); and \$18,825 (7510)

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None:

PRADO BASIN HABITAT SUSTAINABILITY PROGRAM

Ongoing Costs

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

approximately \$150,000. For the purposes of the agreement, Ongoing Costs are defined as the costs associated with the following Program activities:

1. A Riparian Habitat Monitoring Program, including, but not limited to, the following sub-tasks:
 - a. Design and implement a site-specific vegetation monitoring program with the United States Bureau of Reclamation (USBR) and Orange County Water District, pursuant to which USBR will perform site-specific vegetation surveys.
 - b. Manage and perform custom flight to collect a high resolution air photo of the Prado Basin Region.
 - c. Collect, check, and upload historical air photos and vegetation survey data in the Prado Basin region.
 - d. Collect, check, and upload historical Landsat data in the Prado Basin region.
2. A Climate Monitoring Program, including, but not limited to, the following sub-task:
 - a. Collect, check, and upload climatic data on an annual basis
3. Preparation of the AMP Annual Report (Annual Report), including, but not limited to, the following sub-tasks:
 - a. Water level monitoring, vegetation survey, photo monitoring, landsat data, climate data and analysis of the components.
 - b. Analyze data and prepare an administrative draft of the Annual Report for Watermaster/IEUA.
 - c. Incorporate the Watermaster and IEUA comments and prepare a draft Annual Report for review by the PBHSC.
 - d. Meet with PBHSC to review draft Annual Report.
 - e. Incorporate PBHSC comments and finalize the Annual Report.
4. Annual license fees for monitoring wells.
5. Project management and administration activities associated with the Program undertaken by a Party's consultant, including, but not limited to, the following sub-tasks:
 - a. Ad-Hoc Meetings
 - b. Preparation of scope and budget for the Program
 - c. Project administration and financial reporting
6. Other costs required to fulfill the requirements of Peace II Subsequent EIR mitigation measure 4.4-3.

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

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

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

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

| | Wildermuth Environmental, Inc. | 50% Billing "TO" IEUA | 50% Billing "FROM" IEUA | Costs For Watermaster |
|-----------------------|--------------------------------------|-----------------------------|-------------------------------|--------------------------|
| Jul. 2018 - Jul. 2018 | \$ - | \$ - | \$ - | \$ - |
| Totals | \$ - | \$ - | \$ - | \$ - |
| | 7108.31 | 7108.31 | 7108.31 | |
| Maximum Costs | \$ 174,318.00 | \$ 87,159.00 | \$ 87,159.00 | \$ 87,159.00 |

PREVIOUSLY REPORTED ACTIONS (Descending Order)
 None:

OTHER INCOME AND EXPENSE

Per section VI.D.3 of the Groundwater Storage Program Funding Agreement No. 49960 in the Chino Basin with The Metropolitan Water District of Southern California, the FY 2018/19 annual administrative fee invoice was issued on July 6, 2018 in the amount of \$167,712.36 under invoice number 2018-DYY. Payment in the amount of \$167,712.36 was received and deposited on August 7, 2018.

There were no other significant items to report within the category of Other Income and Expenses for the month ending July 31, 2018.

PREVIOUSLY REPORTED ACTIONS (Descending Order)
 None:

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

Once the FY 2017/18 period as of June 30, 2018 was closed, the amount of unfinished capital projects and related engineering costs was calculated and the "Carry Over" funding amount was added to the current FY 2018/19 budget. The Total "Carry Over" funding amount of \$4,728,140.07 was posted to the accounts as of July 1, 2018. The total amount of \$4,728,140.07 consisted of \$3,068,940.82 from Capital Improvement Projects, \$1,594,653.00 from Engineering Services, and \$64,546.25 from Administration Services (\$3,068,940.82 + \$1,594,653.00 + \$64,546.25 = \$4,728,140.07).

CURRENT MONTH – JULY 2018

As of July 31, 2018, the total (YTD) amount remaining of the "Carried Over" funding is \$4,712,661.54 (\$4,728,140.07 - \$15,478.53 = \$4,712,661.54).

The following details are provided:

"Carried Over" Expenses At June 30, 2018

| | | | <u>GL Account</u> | | |
|--|-------------------------------|---|----------------------|------------|-------|
| Blomquist Report - Update | \$ 7,500.00 | A | 6061.6 | FY 2017/18 | ADMIN |
| Grd Level - MVWD SCADA Reimbursement | \$ 57,046.25 | B | 7107.63 | FY 2017/18 | ADMIN |
| Ground Level - Engineering Services | \$ 24,822.00 | C | 7107.2 ² | FY 2017/18 | ENG |
| Ground Level - Contract Services | \$ 20,727.00 | D | 7107.6 ³ | FY 2017/18 | ENG |
| PE4 - Northwest MZ-1 Area Project | \$ 1,530,279.00 | E | 7402.1 ⁴ | FY 2017/18 | ENG |
| PE6&7-IEUA Salinity Mgmt. Plan | \$ 18,825.00 | F | 7510 ⁵ | FY 2017/18 | ENG |
| Jurupa Pumping Station (TO #5) | \$ 37,981.33 | G | 7209.1 ¹ | FY 2013/14 | PROJ |
| Wineville Basin Proof of Concept (TO #6) | \$ 35,397.53 | H | 7209.2 ¹ | FY 2013/14 | PROJ |
| RMPU Amendment (TO #1) | \$ 589,923.18 | I | 7690.15 | FY 2016/17 | PROJ |
| East Declaz Basin (TO #1) | \$ 1,171.33 | J | 7690.16 ¹ | FY 2016/17 | PROJ |
| Hickory Basin Recharge Improvement Project | \$ 3,877.00 | K | 7690.3 ¹ | FY 2013/14 | PROJ |
| San Sevaine Recharge Improvement Project (TO #8) | \$ 106,590.18 | L | 7690.4 | FY 2014/15 | PROJ |
| San Sevaine Recharge Improvement Project (TO #8) | \$ 1,126,900.00 | L | 7690.4 | FY 2015/16 | PROJ |
| San Sevaine Recharge Improvement Project (TO #8) | \$ 1,065,600.00 | L | 7690.4 | FY 2016/17 | PROJ |
| CB20 Turnout Noise Abatement Project | \$ 859.80 | M | 7690.5 ¹ | FY 2013/14 | PROJ |
| GWR SCADA Upgrades (TO #4) | \$ 36,615.05 | N | 7690.61 | FY 2014/15 | PROJ |
| GWR SCADA Upgrades (TO #4) | \$ 38,675.00 | N | 7690.61 | FY 2015/16 | PROJ |
| Upper Santa Ana River HCP (TO #7) | \$ 15,062.88 | O | 7690.7 | FY 2014/15 | PROJ |
| Upper Santa Ana River HCP (TO #7) | \$ 5,000.00 | O | 7690.7 | FY 2015/16 | PROJ |
| Lower Day Basin RMPU (TO #2) | \$ 5,287.54 | P | 7690.8 | FY 2016/17 | PROJ |
| Total Balance, June 30, 2017 | <u>\$ 4,728,140.07</u> | | | | |
| "Carried Over" Balance, July 1, 2018 | \$ 4,728,140.07 | | | | |
| Less: (Invoices Received To Date FY 2018/19) | | | | | |
| Ground Level - Engineering Services | \$ (4,488.18) | C | 7107.2 ² | | |
| Ground Level - Contract Services | \$ (9,370.71) | D | 7107.6 ³ | | |
| PE4 - Northwest MZ-1 Area Project | \$ (1,619.64) | E | 7402.1 ⁴ | | |
| Updated Balance as of July 31, 2018 | <u>\$ 4,712,661.54</u> | | | | |

¹ Project completed with funds available for (1) reallocation to another project, (2) paydown debt service, (3) maintain as extra funding, or (4) distribution to Appropriative Pool.

² Engineering work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

³ Outside professionals work not completed in FY 2017/18 to perform ground level surveys for the long-term pumping test.

⁴ Work not completed in FY 2017/18 for installation of the Pomona extensometer and monitoring program for the Northwest MZ-1 area

⁵ Watermaster's portion of the unused FY 2017/18 budget to finalize the 2.5 year project to Update Recycled Water Permit with IEUA.

ADMINISTRATION SERVICES:

Unspent funds related to ongoing projects and associated activities from the Administration Services budget from FY 2017/18 in several accounts totaling \$64,546.25 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Blomquist Report-Update [A] in the amount of \$7,500 in account (6061.6); and Ground Level – MVWD SCADA Reimbursement [B] in the amount of \$57,046.25 in account (7107.63).

ENGINEERING SERVICES:

Unspent funds related to ongoing projects and associated activities from the Engineering Services budget from FY 2017/18 in several accounts totaling \$1,594,653 were "Carried Over" into the current FY 2018/19 budget. These funds were from the Ground Level - Engineering Services [C] in the amount of \$24,822 in account (7107.2); Ground Level - Contract Services [D] in the amount of \$20,727 in account (7107.6);

PE4 – Northwest MZ-1 Area Project [E] in the amount of \$1,530,279 in account (7402.1); and PE6&7-IEUA Salinity Management Plan [F] in the amount of \$18,825 in account (7510).

COMPLETED PROJECTS WITH FUNDING AVAILABLE:

Several projects were completed during FY 2017/18 or in prior years and have remaining funds available to be either (1) reallocated to other project(s) that need additional funding, (2) keep amounts on reserve for future Capital Improvement Projects, (3) pay down the debt service; or (4) refunded back to the Appropriative Pool when the Assessment package is invoiced. The funding amounts available are as follows: Jurupa Pumping Station [G] in the amount of \$37,981.33 (account 7209.1); Wineville Basin Proof of Concept [H] in the amount of \$35,397.53 (account 7209.2); East Declez Basin [J] in the amount of \$1,171.33 (account 7690.16); Hickory Basin Recharge Improvement Project [K] in the amount of \$3,877.00 (account 7690.3); and CB20 Turnout Noise Abatement Project [M] in the amount of \$859.80 (account 7690.5). The total amount available is \$79,286.99 ($\$37,981.33 + \$35,397.53 + \$1,171.33 + \$3,877.00 + \$859.80 = \$79,286.99$).

ONGOING RECHARGE IMPROVEMENT PROJECTS:

The RMPU Amendment-Task Order #1 [I] has a remaining budget from FY 2016/17 of \$589,923.18 in account (7690.15); the San Sevaine Recharge Improvement Project-Task Order #8 [L] has a remaining funded budget balance of \$2,299,090.18 in account (7690.4); the GWR SCADA Upgrades-Task Order #4 [N] has a remaining funded budget balance of \$75,290.05 in account (7690.61); the Upper Santa Ana River HCP-Task Order #7 [O] has a remaining funded balance of \$20,062.88 in account (7690.7); and the Lower Day Basin RMPU-Task Order #2 [P] has a remaining funded budget balance of \$5,287.54 in account (7690.8). The total funded budget for these combined projects is \$2,989,653.83.

As invoices are received from the vendors and booked against these items listed above, the "Carried Over" balance will be reduced throughout the current fiscal year. At July 31, 2019, any remaining balances of the FY 2018/19 and prior years funding (if any), along with any new FY 2018/19 expenses, will then be "Carried Over" into the FY 2019/20 budget.

AUDIT FIELD WORK

FY 2017/18:

The auditors from the audit firm of Fedak & Brown LLP were onsite at the Watermaster offices on April 17, 2018. This was the start of the interim field work for the period of July 1, 2017 through February 28, 2018. The final field work for the period of March 1, 2018 through June 30, 2018 was completed during August 7, 2018 through August 8, 2018. The Annual Financial and Audit Reports are scheduled to be presented to the Watermaster Board by Fedak & Brown LLP at the October 25, 2018 Board meeting. The Annual Financial and Audit Reports for FY 2017/18 are anticipated to be posted to the Watermaster website no later than October 31, 2018.

ASSESSMENT INVOICING

CURRENT MONTH – JULY 2018

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

PREVIOUSLY REPORTED ACTIONS (Descending Order)

None:

ATTACHMENTS

1. Financial Report - B5

| | 1/12th (8.33%) of the Total Budget | | | | 1/12th (8.34%) of the Total Budget | | | | 100% of the Total Budget | | | |
|--|------------------------------------|-------------------|----------------|----------------|------------------------------------|-------------------|----------------|----------------|-------------------------------------|---------------------|----------------|---------------|
| | For The Month of July 2018 | | | | Year-To-Date as of July 31, 2018 | | | | Fiscal Year End as of June 30, 2019 | | | |
| | Actual | Budget | \$ Over(Under) | % of Budget | Actual | Budget | \$ Over(Under) | % of Budget | Projected | Budget | \$ Over(Under) | % of Budget |
| Income | | | | | | | | | | | | |
| 4010 · Local Agency Subsidies | 167,712.36 | 167,712.00 | 0.36 | 100.0% | 167,712.36 | 167,712.00 | 0.36 | 100.0% | 167,712.00 | 167,712.00 | 0.00 | 100.0% |
| 4110 · Admin Asmnts-Approp Pool | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 8,301,750.00 | 8,301,750.00 | 0.00 | 100.0% |
| 4120 · Admin Asmnts-Non-Agri Pool | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 353,795.00 | 353,795.00 | 0.00 | 100.0% |
| 4700 · Non Operating Revenues | 10.42 | 0.00 | 10.42 | 100.0% | 10.42 | 0.00 | 10.42 | 100.0% | 63,968.00 | 63,968.00 | 0.00 | 100.0% |
| 4900 · Miscellaneous Income | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Total Income | 167,722.78 | 167,712.00 | 10.78 | 100.01% | 167,722.78 | 167,712.00 | 10.78 | 100.01% | 8,887,225.00 | 8,887,225.00 | 0.00 | 100.0% |
| Gross Profit | 167,722.78 | 167,712.00 | 10.78 | 100.01% | 167,722.78 | 167,712.00 | 10.78 | 100.01% | 8,887,225.00 | 8,887,225.00 | 0.00 | 100.0% |
| Expense | | | | | | | | | | | | |
| 6010 · Admin. Salary/Benefit Costs | 99,108.64 | 89,132.00 | 9,976.64 | 111.19% | 99,108.64 | 89,132.00 | 9,976.64 | 111.19% | 1,062,695.00 | 1,062,695.00 | 0.00 | 100.0% |
| 6020 · Office Building Expense | 8,352.68 | 8,784.00 | -431.32 | 95.09% | 8,352.68 | 8,784.00 | -431.32 | 95.09% | 112,399.00 | 112,399.00 | 0.00 | 100.0% |
| 6030 · Office Supplies & Equip. | 1,477.13 | 1,750.00 | -272.87 | 84.41% | 1,477.13 | 1,750.00 | -272.87 | 84.41% | 50,500.00 | 50,500.00 | 0.00 | 100.0% |
| 6040 · Postage & Printing Costs | 2,596.70 | 2,952.00 | -355.30 | 87.96% | 2,596.70 | 2,952.00 | -355.30 | 87.96% | 47,142.00 | 47,142.00 | 0.00 | 100.0% |
| 6050 · Information Services | 15,893.54 | 15,928.00 | -34.46 | 99.78% | 15,893.54 | 15,928.00 | -34.46 | 99.78% | 151,656.00 | 151,656.00 | 0.00 | 100.0% |
| 6060 · Contract Services | 1,979.30 | 11,100.00 | -9,120.70 | 17.83% | 1,979.30 | 11,100.00 | -9,120.70 | 17.83% | 45,125.00 | 45,125.00 | 0.00 | 100.0% |
| 6070 · Watermaster Legal Services | 59,467.91 | 13,002.00 | 46,465.91 | 457.38% | 59,467.91 | 13,002.00 | 46,465.91 | 457.38% | 156,015.00 | 156,015.00 | 0.00 | 100.0% |
| 6080 · Insurance | 26,116.48 | 28,815.00 | -2,698.52 | 90.64% | 26,116.48 | 28,815.00 | -2,698.52 | 90.64% | 30,315.00 | 30,315.00 | 0.00 | 100.0% |
| 6110 · Dues and Subscriptions | 14,132.50 | 14,848.00 | -715.50 | 95.18% | 14,132.50 | 14,848.00 | -715.50 | 95.18% | 34,590.00 | 34,590.00 | 0.00 | 100.0% |
| 6140 · WM Admin Expenses | 184.12 | 200.00 | -15.88 | 92.06% | 184.12 | 200.00 | -15.88 | 92.06% | 2,350.00 | 2,350.00 | 0.00 | 100.0% |
| 6150 · Field Supplies | 21.29 | 50.00 | -28.71 | 42.58% | 21.29 | 50.00 | -28.71 | 42.58% | 1,550.00 | 1,550.00 | 0.00 | 100.0% |
| 6170 · Travel & Transportation | 1,841.73 | 1,875.00 | -33.27 | 98.23% | 1,841.73 | 1,875.00 | -33.27 | 98.23% | 24,170.00 | 24,170.00 | 0.00 | 100.0% |
| 6190 · Training, Conferences, Seminars | 3,145.24 | 4,324.00 | -1,178.76 | 72.74% | 3,145.24 | 4,324.00 | -1,178.76 | 72.74% | 37,857.00 | 37,857.00 | 0.00 | 100.0% |
| 6200 · Advisory Comm - WM Board | 4,665.88 | 4,159.00 | 506.88 | 112.19% | 4,665.88 | 4,159.00 | 506.88 | 112.19% | 47,539.00 | 47,539.00 | 0.00 | 100.0% |
| 6300 · Watermaster Board Expenses | 16,596.24 | 13,415.00 | 3,181.24 | 123.71% | 16,596.24 | 13,415.00 | 3,181.24 | 123.71% | 178,980.00 | 178,980.00 | 0.00 | 100.0% |
| 8300 · Appr PI-WM & Pool Admin | 13,223.09 | 11,968.00 | 1,255.09 | 110.49% | 13,223.09 | 11,968.00 | 1,255.09 | 110.49% | 140,552.00 | 140,552.00 | 0.00 | 100.0% |
| 8400 · Agri Pool-WM & Pool Admin | 3,818.43 | 5,418.00 | -1,599.57 | 70.48% | 3,818.43 | 5,418.00 | -1,599.57 | 70.48% | 62,054.00 | 62,054.00 | 0.00 | 100.0% |
| 8467 · Ag Legal & Technical Services | 35,400.00 | 17,084.00 | 18,316.00 | 207.21% | 35,400.00 | 17,084.00 | 18,316.00 | 207.21% | 205,000.00 | 205,000.00 | 0.00 | 100.0% |
| 8470 · Ag Meeting Attend -Special | 1,025.00 | 1,850.00 | -825.00 | 55.41% | 1,025.00 | 1,850.00 | -825.00 | 55.41% | 22,200.00 | 22,200.00 | 0.00 | 100.0% |
| 8471 · Ag Pool Expense | 14,018.00 | 15,000.00 | -982.00 | 93.45% | 14,018.00 | 15,000.00 | -982.00 | 93.45% | 85,000.00 | 85,000.00 | 0.00 | 100.0% |
| 8485 · Ag Pool - Misc. Exp. - Ag Fund | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 400.00 | 400.00 | 0.00 | 100.0% |
| 8500 · Non-Ag PI-WM & Pool Admin | 15,327.85 | 9,387.00 | 5,940.85 | 163.29% | 15,327.85 | 9,387.00 | 5,940.85 | 163.29% | 109,837.00 | 109,837.00 | 0.00 | 100.0% |
| 9400 · Depreciation Expense | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9500 · Allocated G&A Expenditures | -19,418.14 | -34,936.00 | 15,517.86 | 55.58% | -19,418.14 | -34,936.00 | 15,517.86 | 55.58% | -419,223.00 | -419,223.00 | 0.00 | 100.0% |
| 6900 · Optimum Basin Mgmt Plan | 103,952.50 | 185,743.00 | -81,790.50 | 55.97% | 103,952.50 | 185,743.00 | -81,790.50 | 55.97% | 2,152,735.00 | 2,152,735.00 | 0.00 | 100.0% |
| 9501 · G&A Expenses Allocated-OBMP | 2,267.47 | 10,048.00 | -7,780.53 | 22.57% | 2,267.47 | 10,048.00 | -7,780.53 | 22.57% | 120,532.00 | 120,532.00 | 0.00 | 100.0% |
| 7101 · Production Monitoring | 4,985.84 | 5,489.00 | -503.16 | 90.83% | 4,985.84 | 5,489.00 | -503.16 | 90.83% | 64,875.00 | 64,875.00 | 0.00 | 100.0% |
| 7102 · In-line Meter Installation | 0.00 | 31,693.00 | -31,693.00 | 0.0% | 0.00 | 31,693.00 | -31,693.00 | 0.0% | 380,107.00 | 380,107.00 | 0.00 | 100.0% |
| 7103 · Grdwtr Quality Monitoring | 23,823.34 | 30,355.00 | -6,531.66 | 78.48% | 23,823.34 | 30,355.00 | -6,531.66 | 78.48% | 324,329.00 | 324,329.00 | 0.00 | 100.0% |
| 7104 · Gdwtr Level Monitoring | 14,624.56 | 27,877.00 | -13,252.44 | 52.46% | 14,624.56 | 27,877.00 | -13,252.44 | 52.46% | 333,553.00 | 333,553.00 | 0.00 | 100.0% |
| 7105 · Sur Wtr Qual Monitoring | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 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 | 25,858.89 | 137,310.25 | -111,451.36 | 18.83% | 25,858.89 | 137,310.25 | -111,451.36 | 18.83% | 424,094.25 | 424,094.25 | 0.00 | 100.0% |

| | 1/12th (8.33%) of the Total Budget | | | | 1/12th (8.34%) of the Total Budget | | | | 100% of the Total Budget | | | |
|--|------------------------------------|----------------------|----------------------|---------------|------------------------------------|----------------------|----------------------|---------------|-------------------------------------|----------------------|----------------|---------------|
| | For The Month of July 2018 | | | | Year-To-Date as of July 31, 2018 | | | | Fiscal Year End as of June 30, 2019 | | | |
| | Actual | Budget | \$ Over(Under) | % of Budget | Actual | Budget | \$ Over(Under) | % of Budget | Projected | Budget | \$ Over(Under) | % of Budget |
| 7108 · Hydraulic Control Monitoring | 1,634.00 | 10,329.00 | -8,695.00 | 15.82% | 1,634.00 | 10,329.00 | -8,695.00 | 15.82% | 120,704.00 | 120,704.00 | 0.00 | 100.0% |
| 7109 · Recharge & Well Monitoring Prog | 0.00 | 2,104.00 | -2,104.00 | 0.0% | 0.00 | 2,104.00 | -2,104.00 | 0.0% | 25,248.00 | 25,248.00 | 0.00 | 100.0% |
| 7200 · PE2- Comp Recharge Pgm | 299,209.61 | 380,364.86 | -81,155.25 | 78.66% | 299,209.61 | 380,364.86 | -81,155.25 | 78.66% | 1,407,815.86 | 1,407,815.86 | 0.00 | 100.0% |
| 7300 · PE3&5-Water Supply/Desalte | 1,474.40 | 2,772.00 | -1,297.60 | 53.19% | 1,474.40 | 2,772.00 | -1,297.60 | 53.19% | 32,934.00 | 32,934.00 | 0.00 | 100.0% |
| 7400 · PE4- Mgmt Plan | 27,625.56 | 1,555,336.00 | -1,527,710.44 | 1.78% | 27,625.56 | 1,555,336.00 | -1,527,710.44 | 1.78% | 1,830,746.00 | 1,830,746.00 | 0.00 | 100.0% |
| 7500 · PE6&7-CoopEfforts/SaltMgmt | 4,356.00 | 34,488.00 | -30,132.00 | 12.63% | 4,356.00 | 34,488.00 | -30,132.00 | 12.63% | 206,603.00 | 206,603.00 | 0.00 | 100.0% |
| 7600 · PE8&9-StorageMgmt/Conj Use | 50,304.39 | 51,837.00 | -1,532.61 | 97.04% | 50,304.39 | 51,837.00 | -1,532.61 | 97.04% | 127,048.00 | 127,048.00 | 0.00 | 100.0% |
| 7690 · Recharge Improvement Debt Pymt | 580,585.00 | 3,576,146.96 | -2,995,561.96 | 16.24% | 580,585.00 | 3,576,146.96 | -2,995,561.96 | 16.24% | 3,576,146.96 | 3,576,146.96 | 0.00 | 100.0% |
| 7700 · Inactive Well Protection Prgm | 0.00 | 42.00 | -42.00 | 0.0% | 0.00 | 42.00 | -42.00 | 0.0% | 500.00 | 500.00 | 0.00 | 100.0% |
| 9502 · G&A Expenses Allocated-Projects | 17,150.67 | 24,890.00 | -7,739.33 | 68.91% | 17,150.67 | 24,890.00 | -7,739.33 | 68.91% | 298,691.00 | 298,691.00 | 0.00 | 100.0% |
| Total Expense | 1,476,825.84 | 6,302,930.07 | -4,826,104.23 | 23.43% | 1,476,825.84 | 6,302,930.07 | -4,826,104.23 | 23.43% | 13,615,365.07 | 13,615,365.07 | 0.00 | 100.0% |
| Net Ordinary Income | -1,309,103.06 | -6,135,218.07 | 4,826,115.01 | 21.34% | -1,309,103.06 | -6,135,218.07 | 4,826,115.01 | 21.34% | -4,728,140.07 | -4,728,140.07 | 0.00 | 100.0% |
| Other Income | | | | | | | | | | | | |
| 4210 · Approp Pool-Replenishment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 4220 · Non-Ag Pool-Replenishment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 4225 · Interest Income | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 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% |
| 600 · 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% |
| 715 · Gain on Sale of Assets | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Total Other Income | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Other Expense | | | | | | | | | | | | |
| 5010 · Groundwater Replenishment | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 5100 · Other Water Purchases | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9200 · Interest Expense | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9251 · Other Post Employment Benefits | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9996 · Refund-Excess Reserves-Approp. | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9997 · Refund-Excess Reserves-NonAg | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9998 · Refund-Recharge Debt-Approp. | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| 9999 · To/(From) Reserves | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Total Other Expense | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Net Other Income | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% | 0.00 | 0.00 | 0.00 | 0.0% |
| Net Income | -1,309,103.06 | -6,135,218.07 | 4,826,115.01 | 21.34% | -1,309,103.06 | -6,135,218.07 | 4,826,115.01 | 21.34% | -4,728,140.07 | -4,728,140.07 | 0.00 | 100.0% |

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. OBMP SEMI-ANNUAL STATUS REPORT 2018-1

- I. BUSINESS ITEMS – ROUTINE (Non-Ag Pool)
 - C. OBMP SEMI-ANNUAL STATUS REPORT 2018-1



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Semi-Annual Optimum Basin Management Program Status Report 2018-1
(Consent Calendar Item I.C.)

SUMMARY

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

Recommendation: Recommend to the Advisory Committee recommend to the Watermaster Board to adopt the Semi-Annual OBMP Status Report 2018-1, along with filing a copy with the Court, subject to any necessary non-substantive changes.

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

Future Consideration

Appropriative Pool – September 13, 2018: Recommend Advisory to Recommend Board Approval
Non-Agricultural Pool – September 13, 2018: Recommend Advisory to Recommend Board Approval
Agricultural Pool – September 13, 2018: Recommend Advisory to Recommend Board Approval
Advisory Committee – September 20, 2018: Recommend Board Approval
Watermaster Board – September 27, 2018: Approval [Discretionary Function].

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

Semi-Annual OBMP Status Report 2018-1 covers the period from January to June 2018. The report describes work conducted, and the current status of the nine Program Elements of the Optimum Basin Management Program during the six-month period.

DISCUSSION

Semi-Annual OBMP Status Report 2018-1 has been drafted. Once adopted by the Board, the Semi-Annual OBMP Status Report will be filed with the Court.

ATTACHMENT

1. Semi-Annual Optimum Basin Management Program Status Report 2018-1

**Optimum Basin Management Program
Staff Status Report 2018-1: January to June 2018**



CHINO BASIN WATERMASTER

Optimum Basin Management Program

Highlighted Activities

- During this reporting period, Watermaster manually measured 400 water levels at about 70 private wells throughout the Chino Basin, conducted two quarterly download events at about 125 wells containing pressure transducers, collected 44 groundwater-quality samples from dedicated monitoring wells, and collected four surface-water quality samples.
- Pursuant to a monitoring and mitigation requirement of the Peace II Subsequent Environmental Impact Report, Watermaster, the Inland Empire Utilities Agency (IEUA), and the Orange County Water District (OCWD) continued to implement the Prado Basin Habitat Sustainability Program (PBHSP). During this reporting period, Watermaster collected two quarters of groundwater-quality samples, and conducted two quarterly downloads of pressure transducers that measure water levels at the 18 PBHSP monitoring wells. The Prado Basin Habitat Sustainability Committee (PBHSC) prepared the second annual report: *Annual Report of the Prado Basin Habitat Sustainability Committee for Water Year 2017*.
- Pursuant to the *Chino Basin Subsidence Management Plan*, Watermaster continued to implement the Ground-Level Monitoring Program and began drafting the *2017 Annual Report of the Ground-Level Monitoring Committee*, which analyzes and interprets data from the monitoring program and recommends future monitoring and testing activities. Watermaster also executed the “proof of concept” to test the sonar water-level measuring technique for the Ground-Level Monitoring Program.
- Watermaster and the IEUA are continuing to implement the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2013 Court Order authorizing its implementation. During the reporting period, the IEUA selected contractors to install monitoring wells and construct the San Sevaine Basin improvements. Construction of the San Sevaine Basin Improvements began in September 2017 and is expected to be completed in September 2018. The 85 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects from the 2013 RMPU.
- During this reporting period, Watermaster and the IEUA recharged a total of 15,378 acre-feet of water: 4,043 acre-feet of stormwater, 5,689 acre-feet of recycled water, and 5,646 acre-feet of imported water.
- Watermaster staff continued to investigate and assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential storage and recovery plans. Watermaster updated its modeling tools and planning projections, and completed an assessment of material physical injury (MPI) for the use of Managed Storage. During this reporting period Watermaster evaluated the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet.

Important Court Hearings and Orders

- JANUARY 12, 2018—HEARING RE REQUEST FOR COURT TO AMEND THE ANNUAL REPORTING SCHEDULE FOR THE GROUND-LEVEL MONITORING COMMITTEE.
- JANUARY 12, 2018—ORDER RE REQUEST FOR COURT TO AMEND THE ANNUAL REPORTING SCHEDULE FOR THE GROUND-LEVEL MONITORING COMMITTEE.



Optimum Basin Management Program

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

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

Groundwater Level Monitoring

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

The current groundwater-level monitoring program is comprised of about 1,100 wells. At about 900 of these wells, water levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substances Control (DTSC), the Counties, and various private consulting firms. Watermaster collects these water level data at least semi-annually. At the remaining 200 wells, water levels are measured by Watermaster staff using manual methods once per month or by using pressure transducers that record data once every 15 minutes. These wells are mainly Agricultural Pool wells or dedicated monitoring wells located south of the 60 freeway.



Setting a Transducer to Record Water Level Data

All groundwater-level data are checked and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm. During this reporting period, Watermaster measured about 400 manual water levels at about 70 wells throughout the Chino Basin and conducted two quarterly downloads of 125 pressure transducers installed in private, municipal, and monitoring wells. Additionally, Watermaster compiled all available groundwater-level data from well owners in the basin for the October 2017 to March 2018 period.

Groundwater Quality Monitoring

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

Chino Basin Data Collection (CBDC). Watermaster routinely and proactively collects groundwater-quality data from well owners, such as municipal producers and government agencies. Groundwater-quality data are also obtained from special studies and monitoring that takes place under orders of the Santa Ana Regional Water Quality Control Board (Regional Board)—such as for landfills and other groundwater quality investigations, the Department of Toxic Substances Control (DTSC), the US Geological Survey (USGS), and others. These data are collected from well owners and monitoring entities at least twice per year. Data is collected for about 840 wells as part of the CBDC program. During this reporting period, Watermaster compiled data collected for the CBDC program for the July to December 2017 period.

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

1. *Private Wells.* About 95 private wells, located predominantly in the southern portion of the basin, are sampled at various frequencies based on their proximity to known point-source contamination plumes. 8 wells near contaminant plumes are sampled on an annual basis, and the remaining 86 wells are sampled on a triennial basis.

Optimum Basin Management Program

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

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

During this reporting period, Watermaster collected 44 groundwater-quality samples from 22 dedicated monitoring wells. All groundwater-quality data are checked by Watermaster staff and uploaded to a centralized database management system that can be accessed online through HydroDaVEsm.

Groundwater Production Monitoring

As of the end of this reporting period, there were a total of 501 producing wells, 292 of which were for agricultural uses. Many active agricultural production wells are metered. Watermaster reads the meters on a quarterly basis and enters the production data into Watermaster's relational database, which can be accessed online through HydroDaVEsm.

Surface Water Monitoring in the Santa Ana River

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



Reading a Meter on an Agricultural Well

Prado Basin Habitat Sustainability Program (PBHSP)

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

During the reporting period, Watermaster performed the following tasks:

- Conducted the groundwater monitoring program, which included the quarterly collection of groundwater-level and groundwater-quality data from the PHBSP monitoring wells.
- Prepared a memorandum titled: *Recommended Scope and Budget of the Prado Basin Habitat Sustainability Program for Fiscal year 2018/19*. This memorandum was used by Watermaster and the IEUA to develop and approve their respective fiscal year 2018/19 budgets.

Optimum Basin Management Program

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

- Prepared the second annual report: *Annual Report of the Prado Basin Habitat Sustainability Committee for Water Year 2017*. The main conclusion of the annual report was that, at this time, there was no observed degradation of riparian habitat that was contemporaneous with the implementation of the Peace II Agreement.
- Conducted two meetings of the PBHSC:
 - On March 12, 2018 to present the Recommended Scope and Budget of the PBHSP for fiscal year 2018/19.
 - On May 9, 2018 to present the draft Annual Report of the PBHSC for water year 2017.

Chino Basin Groundwater Recharge Monitoring Program

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

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

Monitoring Activities. During this reporting period, the IEUA performed its ongoing monitoring program to measure and record recharge volumes and to collect stormwater quality samples pursuant to its permit requirements. Also, during this reporting period, approximately 84 recharge basin and lysimeter samples were collected for water quality analysis, and 28 recycled water samples were collected for alternative water quality monitoring plans, including the application of a correction factor for soil-aquifer treatment, determined from each recharge basin's startup period. Monitoring wells located downgradient of the recharge basins were sampled, at a minimum, on a quarterly basis; that said, some monitoring wells were sampled more frequently during the reporting period for a total of 126 samples.



San Sevalne 5 Basin

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

- 4Q-2017 Quarterly Report, submitted to the RWQCB – February 2018
- 1Q-2018 Quarterly Report, submitted to the RWQCB – May 2018
- 2017 Annual Report, submitted to the RWQCB – May 2018

Ground-Level Monitoring

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

- Continuing the scope and frequency of monitoring within the so-called Managed Area that was conducted during the period when the MZ-1 Plan was being developed.

Optimum Basin Management Program

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

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

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

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

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

- Continued high-resolution water-level monitoring at wells within the Managed Area and within the Areas of Subsidence Concern. All monitoring equipment is inspected at least quarterly and is repaired and/or replaced as necessary. The data collected were checked and analyzed to assess the functionality of the monitoring equipment and for compliance with the SMP.
- Performed monthly routine maintenance, data collection, and verification at the Ayala Park and Chino Creek extensometer facilities.
- Performed the ground level surveys for the benchmark network in the Managed Area and Areas of Subsidence Concern: Southeast, Northeast, Northwest Areas, and the San Jose Fault Zone.
- Continued implementation of the Work Plan:
 - Collected, processed, and checked groundwater-level data and production data from wells in the Northwest MZ-1 Study Area on monthly basis.
 - Continued to coordinate SCADA integration with MVWD to install water-level monitoring devices, connect the devices to MVWD's SCADA system, and execute the "proof of concept" to test the sonar water-level measuring technique in MVWD well 33.
 - Executed the "proof of concept" to test the sonar water-level measuring technique in City of Pomona well 27 (P-27). The sonar method was unsuccessful in well P-27. Subsequent correspondence and an in-person meeting was conducted with the City of Pomona staff to identify inactive and active production wells that can be safely equipped with pressure transducers in-lieu of using sonar.

Optimum Basin Management Program

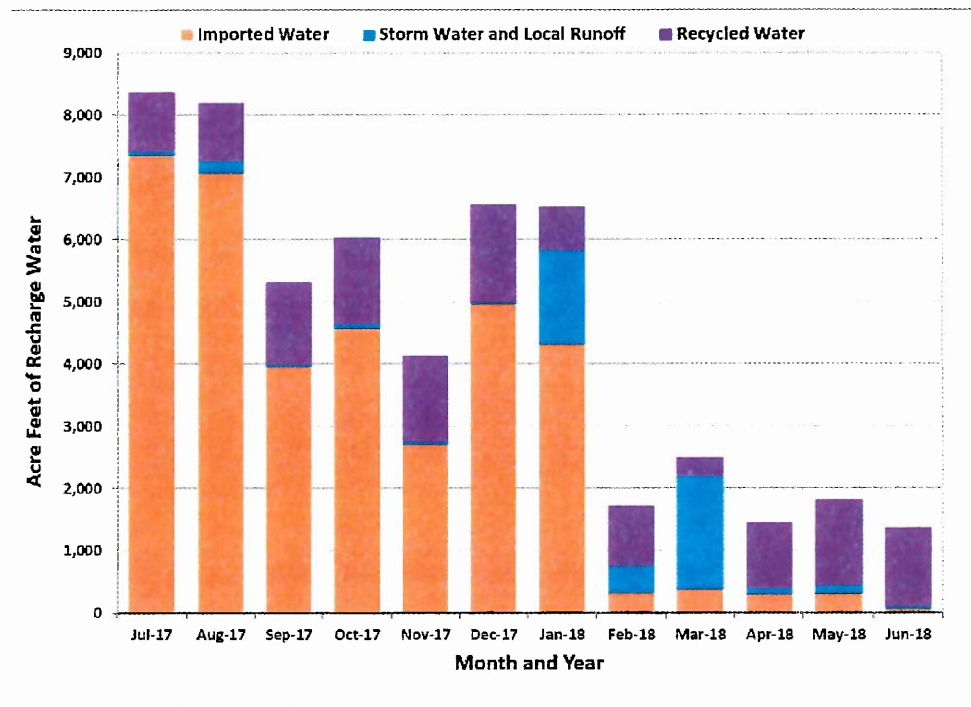
Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

- Corresponded and conducted an in-person meeting with City of Pomona and Tom Dodson & Associates staff to discuss ensuring CEQA compliance for the Pomona Extensometer facility's two dual-nested piezometers.
- Conducted bi-weekly to weekly conference calls with City of Pomona to discuss the technical specifications, permitting, right of entry, and the bidding package for the Pomona Extensometer facility's two dual-nested piezometers.
- Implemented the Long-Term Pumping Test, described in the SMP, to test and refine the Guidance Level for the Managed Area. The test requires the City of Chino Hills to pump wells CH-15B and CH-17 such that they cause water levels at PA-7 to decline below the Guidance Level. The recovery phase of the test includes groundwater injection cycles at City of Chino Hills well CH-16. The groundwater production data, as of July, from the City of Chino Hills wells CH-15B, CH-16, and CH-17 is only available through the end of fiscal year 2017/18's third quarter. Based on the available data, these wells were not operational between January 1, 2018 and June 30, 2018.

Program Element 2: Develop and Implement a Comprehensive Recharge Program

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

Pursuant to PE2 of the OBMP, Watermaster and the IEUA partnered with the San Bernardino County Flood Control District and the Chino Basin Water Conservation District to construct and/or improve eighteen recharge sites. This project is known as the Chino Basin Facilities Improvement Project (CBFIP). The average annual stormwater recharge of the CBFIP facilities is approximately 10,000 acre-feet per year, the supplemental "wet"¹ water recharge capacity ranges is about 70,200 acre-feet per year, and the in-lieu supplemental water recharge capacity ranges from 17,700 to 49,900 acre-feet per year. In addition to the CBFIP facilities, the Monte Vista Water District has five ASR wells with a demonstrated well injection capacity of 5,500 acre-feet per year. The current total supplemental water recharge capacity ranges from 93,380 to 116,580 acre-feet per year, which is greater than the projected supplemental water recharge capacity required by Watermaster.



In 2008, Watermaster began preparing the 2010 Recharge Master Plan Update (2010 RMPU) pursuant to the December 21, 2007 Court Order (the Peace II Agreement) to complete a Recharge Master Plan Update by July 1, 2010. In October 2010, the Court accepted the 2010 RMPU as satisfying the condition and ordered that certain recommendations of the 2010 RMPU be implemented. In November 2011, Watermaster reported its progress to the Court pursuant to the October 2010 Court Order, and in

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

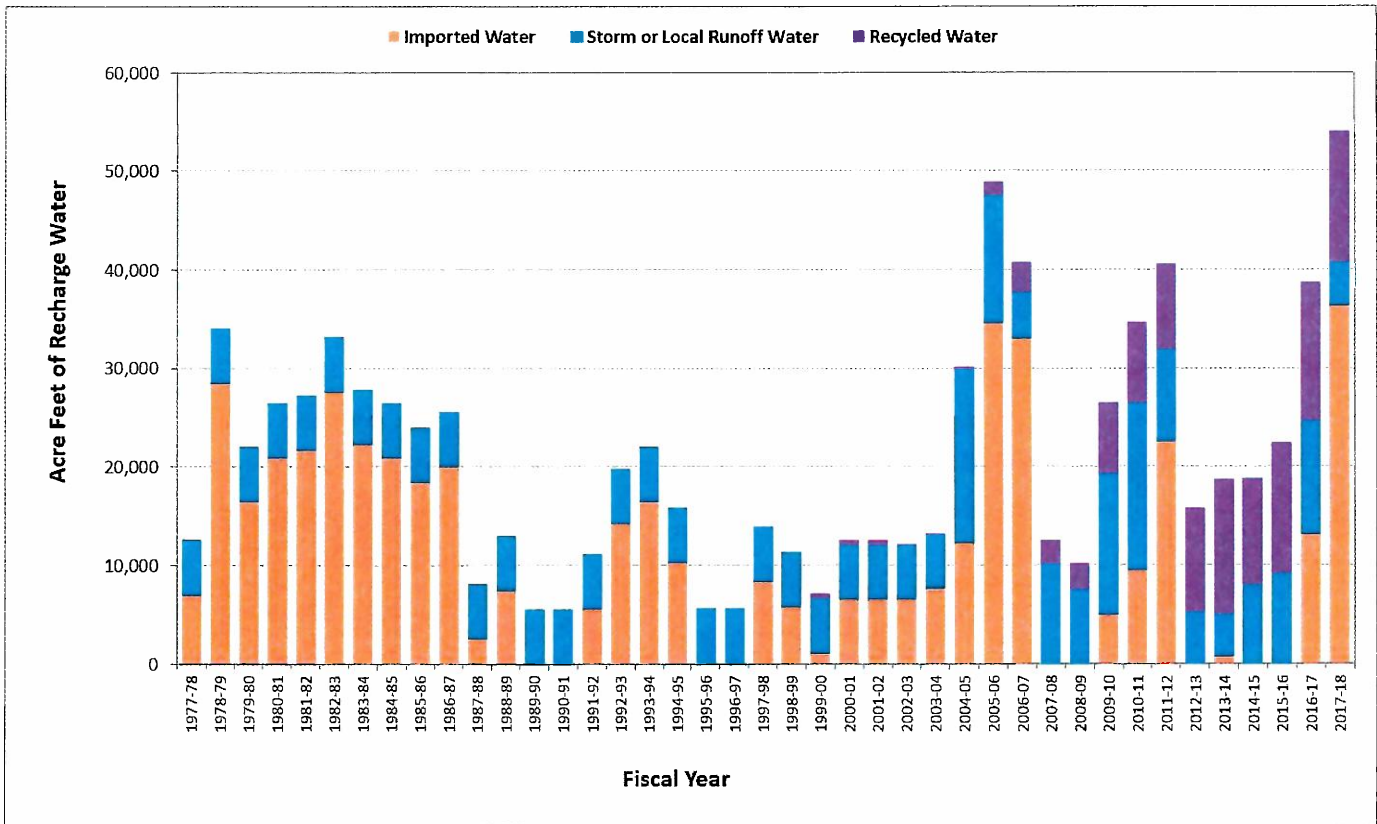
Optimum Basin Management Program

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

December 2011, the Court issued an order directing Watermaster to continue with its implementation of the 2010 RMPU per its October 2010 order but with a revised schedule. On December 15, 2011, the Watermaster Board moved to:

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

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



During this reporting period, Watermaster staff began drafting the 2018 Recharge Master Plan Update (2018 RMPU), which is due to the Court by October 2018.

2013 RMPU Implementation. Watermaster and the IEUA are continuing to carry out the October 2013 Court Order, which authorizes them to implement the 2013 RMPU. During the reporting period, the IEUA selected contractors to install monitoring wells and construct the San Sevaine Basin improvements. Construction of the San Sevaine Basin Improvements began in September 2017 and is expected to be completed in September 2018. In June 2017, a design consultant was chosen to design five of the chosen 2013 RMPU projects: CSI Basin, Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin. Watermaster stakeholders chose to defer the CSI Basin project and the remaining 2013 RMPU projects for consideration in a future RMPU. During this reporting period, the 85 percent design plans and specifications were completed for the Wineville/Jurupa/RP3 Basins, Montclair Basins, Lower Day Basin, and Victoria Basin projects.

Optimum Basin Management Program

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

Additionally, Watermaster and the IEUA continued to develop a series of projects outside of the 2013 RMPU effort that will increase and/or facilitate stormwater and supplemental water recharge and have jointly funded these projects, including monitoring upgrades and habitat conservation. Watermaster's share of the cost of these projects was included in the budget adopted by Watermaster for fiscal year 2017/18.

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

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

Recharge Activities. During this reporting period, ongoing recycled water recharge occurred in the Brooks, 7th Street, 8th Street, Turner, Ely, RP-3, Declez, Victoria, Hickory, and Banana Basins; stormwater was recharged at 18 recharge basins across all management zones of the Chino Basin; and imported water was recharged in 17 recharge basins, primarily in MZ-1. Watermaster and the IEUA recharged a total of 15,378 acre-feet of water: 4,043 acre-feet of stormwater, 5,689 acre-feet of recycled water, and 5,646 acre-feet of imported water.

Balance of Recharge and Discharge in MZ-1. The total amount of supplemental water recharged in MZ-1 since the Peace II Agreement through June 30, 2018 was approximately 88,711 acre-feet, which is about 17,211 acre-feet more than the 71,500 acre-feet required by that date (annual requirement of 6,500 acre-feet). The amount of supplemental water recharged into MZ-1 during the reporting period was approximately 3,902 acre-feet.

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

Program Element 5: Develop and Implement Regional Supplemental Water Program

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

The Chino I Desalter Expansion and the Chino II Desalter facilities were completed in February 2006. As currently configured, the Chino I Desalter produces about 13,500 acre-feet of groundwater per year (12.1 million gallons per day [MGD]) at 15 wells (I-1 through I-15). This water is treated through air stripping (volatile organic compound [VOC] removal), ion exchange (nitrate removal), and/or reverse osmosis (for nitrate and TDS removal). The Chino II Desalter produces about 15,800 acre-feet of groundwater per



Trenching for a Pipeline at San Sevaime Basin

Optimum Basin Management Program

Program Element 3: Develop and Implement Water Supply Plan for the Impaired Areas of the Basin; and Program Element 5: Develop and Implement Regional Supplemental Water Program (Continued)

year (14.1 MGD) at eight wells (II-1 through II-4 and II-6 through II-9). This water is treated through ion exchange and/or reverse osmosis. Development and planning continues between the CDA and Watermaster to expand the production and treatment capacity of the Chino Desalters by about 10,500 acre-feet per year (9.5 MGD). More than \$77 million in grant funds have been secured toward this expansion.

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

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

Property acquisition for well II-12 is anticipated to be completed by December 2018. Construction is expected to begin in mid-2019 and completed by 2020. The completion of a dedicated pipeline to convey groundwater from well II-12 along with wells II-10, II-11, and the existing I-11 is on hold until the land acquisition process is complete. The overall project is anticipated to be operational by early 2020 .

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

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

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

- Minimize subsidence and fissuring in the short-term.
- Collect the information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring.
- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

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

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

Optimum Basin Management Program

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

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

- Prepared figures and tables for the *2017/18 Annual Report of the Ground-Level Monitoring Committee* report.
- For the *Work Plan to Develop a Subsidence Management Plan for the Northwest MZ-1 Area*:
 - Finalized the Detailed Technical Specifications for the Drilling and Construction of Two Dual-Nested Piezometers for the Pomona Extensometer Facility for the Pomona Extensometer Piezometers Construction Bid Package. The bid package was prepared by IEUA.
- Conducted one GLMC meeting on March 1, 2018 to review and discuss the Ground-Level Monitoring Program activities for fiscal year 2017/18 and the recommended scope and budget of the Ground-Level Monitoring Committee for fiscal year 2018/19.

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

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

South Archibald Plume

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

In 2008, Regional Board staff conducted research pertaining to the likely source of the TCE contamination and identified discharges of wastewater that may have contained TCE to the RP-1 treatment plant and associated disposal areas to be a potential source. The Regional Board identified several industries, including some previously identified tenants of the Ontario Airport property, that likely used TCE solvents before and during the early-1970s, and discharged wastes to the Cities of Ontario and Upland’s sewage systems and subsequently to the RP-1 treatment plant and disposal areas. In 2012, an additional Draft CAO was issued by the Regional Board jointly to the City of Ontario, City of Upland, and the IEUA as the previous and current operators of the RP-1 treatment plant and disposal area (collectively, the RP-1 Parties). In part, the draft CAOs require that RP-1 Parties “supply uninterrupted replacement water service [...] to all residences south of Riverside Drive that are served by private domestic wells at which TCE has been detected at concentrations at or exceeding 5 µg/L [...]” and to report this information to the Regional Board. In addition, the RP-1 Parties are to “prepare and submit [a] [...] feasibility study” and “prepare, submit and implement the Remedial Action Plan” to mitigate the “effects of the TCE groundwater plume.”

Under the Regional Board’s oversight, the ABGL Parties and/or the RP-1 Parties conducted sampling at private residential wells and taps approximately every two years (2007-2008, 2009, 2011, 2013-2014) in the region where groundwater is potentially contaminated with TCE. By 2014, all private wells and/or taps in the region of the plume had been sampled at least once since 2007. Alternative water systems (tanks) have been installed at residences in the area where well water contains TCE at or above 80% of the MCL for TCE. Residents who declined tank systems are being provided bottled water. Watermaster also routinely samples for water quality at private wells in the area and uses data obtained from this monitoring to delineate the spatial extent of the plume. The most

Optimum Basin Management Program

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

recent characterization of the plume completed by Watermaster was in June 2017 for the 2016 *State of the Basin* Report. During this reporting period Watermaster prepared a semi-annual status report on the South Archibald plume for Watermaster Parties in February.

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

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

The domestic water supply alternative for those private residences affected by TCE groundwater contamination is a hybrid between the installation of tank systems for some residences, where water is delivered from the City of Ontario potable supply via truck deliveries, and the installation of a temporary pipeline to connect some residences to the City of Ontario potable water system. The Cities of Ontario and Upland have assumed responsibility for implementing the domestic water supply alternative. In February 2017, the Cities of Ontario and Upland submitted the Domestic Water Supply Work Plan to the Regional Board to outline the approach to provide water tank systems or connection to the City of Ontario municipal water supply system for affected residences currently receiving bottled water.

In December 2017, the Cities of Ontario and Upland submitted an Annual Groundwater Monitoring Report to the Regional Board summarizing monitoring conducted between September and November 2017. 42 samples were collected from 41 residential or agricultural locations located within or downgradient of the plume. Based on the results of this sampling event, no additional affected residences were identified for participation in the alternative water supply program. Currently, 37 residences are supplied water by tank systems. Multiple residences remain on bottled water supply and will be re-evaluated for the need for an alternative water supply offer in the next sampling event scheduled for Fall 2018.

Chino Airport Plume

In 1990, the Regional Board issued CAO No. 90-134 to the County of San Bernardino, Department of Airports (County) to address groundwater contamination originating from the Chino Airport. During 1991 to 1992, ten underground storage tanks and 310 containers of hazardous waste were removed, and 81 soil borings were drilled and sampled on the airport property. From 2003 to 2005, nine onsite monitoring wells were installed and used to collect groundwater quality samples. In 2007, the County conducted its first offsite monitoring effort, and in 2008, the Regional Board issued CAO No. R8-2008-0064, requiring the County to define the lateral and vertical extent of the plume and prepare a remedial action plan. From 2009 to 2012, Tetra Tech, the consultant to the County, conducted several off-site plume characterization studies to delineate the areal and vertical extent of the plume and constructed 33 offsite monitoring wells. From 2013 to early-2015, Tetra Tech conducted an extensive investigation of several areas identified for additional characterization of soil and groundwater contamination; and at the conclusion of the work, they constructed

Optimum Basin Management Program

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

an additional 33 groundwater monitoring wells on and adjacent to the Airport property. In August 2016, the County completed a Draft Feasibility Study to identify remedial action objectives and evaluate remediation alternatives for mitigation. In January 2017, the Regional Board issued CAO R8-2017-0011, which requires the County to prepare a Final Feasibility Study that incorporates comments from the Regional Board and to prepare, submit, and implement a Remedial Action Plan. The County submitted a Final Feasibility Study for the Chino Airport on June 6, 2017, and it was approved by the Regional Board on June 7, 2017. The recommended remediation alternative is a groundwater pump-and-treat system to provide hydraulic containment and treatment of both the West Plume and the East Plume originating from the Chino Airport. The system consists of ten extraction wells that combined will produce approximately 900 gallons per minute of groundwater for onsite treatment using carbon adsorption. Included among the 10 wells is CDA well I-18, which is no longer planned for use by the CDA. Once treated, the preferred option is to discharge the treated groundwater to the CDA's Chino-I Desalter influent pipeline via a newly constructed pipeline. If this discharge option is not available at the time the system is constructed, the alternative options are to discharge the treated groundwater to either the local surface-water channels or wastewater treatment plants or to inject the treated groundwater back into the basin with six injection wells at the northeast corner of the Chino Airport.

On December 18, 2017 the County submitted the *Draft Interim Remedial Action Plan* for public review and comment. During this reporting period the County held a public workshop to receive public comments and answer questions on the proposed remediation alternative in January 2018. The public review period ended on February 18, 2018. In March 2018 the County published a *Chino Airport Community Involvement Plan* that describes the County's objectives, roles, and responsibilities for remediation, and the methods for public outreach. In April 2018 the following CEQA documents for the proposed Chino Airport remediation alternative were published: *Notice of Availability/Notice of Intent to Adopt a Mitigated Negative Declaration Chino Airport Groundwater Contamination Remedial Action Plan* and the *Initial Study Environmental Checklist Form*. The public review period for these documents ended on May 10, 2018.

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

Other Water Quality Issues

Watermaster continues to track monitoring programs and mitigation measures associated with other point sources in the Chino Basin, including: Alumax Aluminum Recycling, Alger Manufacturing Facility, the Former Crown Coach Facility, General Electric Test Cell and Flatiron, Former Kaiser Steel Mill, Milliken Landfill, Upland Landfill, and the Stringfellow National Priorities List sites. In June 2017 Watermaster prepared updated delineations of the extent of the VOC plumes for GE Test Cell, GE Flatiron, Milliken Landfill, and the so-called Pomona VOC plume as part of the *2016 Chino Basin State of the Basin Report* published on June 30, 2017. In the next reporting period Watermaster will prepare the annual status reports for the GE Test Cell, GE Flatiron, Milliken Landfill, Chino Institution for Men, and Stringfellow plume, and the former Kaiser Steel Mill site.

Program Element 7: Develop and Implement a Salt Management Program

Maximum Benefit Salinity Management Plan

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

Optimum Basin Management Program

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

reporting period, Watermaster prepared and submitted the *2017 Chino Basin Maximum Benefit Annual Report*. Specific details of the commitments and related activities are described below.

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

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

Hydraulic Control and Chino Desalters. One of the main maximum-benefit commitments is to achieve and maintain "Hydraulic Control" of the Chino Basin through operation of the Chino Basin Desalters to protect downstream beneficial uses of the Santa Ana River. The Chino Basin Desalters are required to replace the diminishing agricultural production that previously prevented the outflow of high TDS and nitrate groundwater. Hydraulic Control is defined by the Basin Plan as the elimination of groundwater discharge from the Chino-North GMZ to the Santa Ana River or its reduction to a de minimus level. In October 2011, the Regional Board indicated that groundwater discharge from the Chino-North GMZ to the Prado Basin surface water management zone (Prado Basin) in an amount less than 1,000 acre-feet per year is considered de minimus. Watermaster and the IEUA have demonstrated, in Annual Reports to the Regional Board, that complete Hydraulic Control has been achieved at and east of Chino-I Desalter Well 5. The construction and operation of the CCWF (see Program Element 5), which began in 2010, is intended to achieve Hydraulic Control in the area west of Chino-I Desalter Well 5. In February 2016, the CCWF commenced full-scale operation with production at wells I-16, I-17, I-20, and I-21. The CCWF wells produced a total of about 1,665 acre-feet in 2016, which is more than the model-estimated production needed to achieve Hydraulic Control to the de minimus standard west of Chino-I Desalter Well 5. With this accomplishment, Watermaster has achieved full Hydraulic Control of the Chino Basin.



Santa Ana River

Optimum Basin Management Program

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

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

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

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

Ambient Water Quality. Commitment number 9 requires that Watermaster and the IEUA recompute ambient TDS and nitrate concentrations for the Chino Basin and Cucamonga GMZs every three years. The recomputation of ambient water quality is performed for the entire Santa Ana River Watershed, and the technical work is contracted, managed, and directed by the Santa Ana Watershed Project Authority's Basin Monitoring Program Task Force. Watermaster and the IEUA have participated in each triennial, watershed-wide ambient water quality determination as members of the Task Force. The most recent recomputation, covering the 20-year period from 1993 to 2015, was completed in September 2017.

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

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

Optimum Basin Management Program

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

The existing Watermaster/IEUA/MWDSC/Three Valleys Municipal Water District Dry-Year Yield (DYY) program continues to be implemented. By April 30, 2011, all DYY program construction projects and a full “put” and “take” cycle had been completed, leaving the DYY storage account with a zero balance. Another DYY cycle began in June 2017. During the reporting period 5,586 acre-feet of water was recharged through the DYY program.

Safe Yield Recalculation

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

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

Groundwater Storage Management

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

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

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

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

Optimum Basin Management Program

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

recalculation of the total water in storage in the basin, based on the improved hydrogeologic understanding. The total storage in the Chino Basin for 2000 was estimated to be about 5,935,000 acre-feet.

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

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

Storage Framework Investigation. Watermaster staff, at the direction of the Watermaster Board, began an investigation to assess the groundwater basin response to the planned use of Managed Storage (storage space used by the Watermaster Parties that includes carryover, excess carryover, and local supplemental waters) and potential storage and recovery plans. In the prior reporting period, Watermaster updated its modeling tools and planning projections, and subsequently completed an assessment of potential MPI for the parties use of Managed Storage. In that work, it was determined that the Watermaster Parties' water use/pumping projections showed that the Managed Storage would likely use up to 700,000 acre-feet of storage space for Managed Storage and the use of that storage space would not result in MPI through 2050. In the current reporting period, Watermaster evaluated the use of storage space in the range of 700,000 acre-feet to 1,000,000 acre-feet. The results of this assessment were presented in three workshops in January, March and May. In the next reporting period Watermaster will prepare draft and final reports to document this work and conduct a final workshop.



CHINO BASIN WATERMASTER

- I. **CONSENT CALENDAR (App and Ag Pool)**
 - D. **CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL**

- I. **BUSINESS ITEMS – ROUTINE (Non-Ag Pool)**
 - D. **CONSIDERATION OF APPLICATION FOR LOCAL STORAGE AGREEMENTS – OVERLYING (NON-AGRICULTURAL) POOL**



CHINO BASIN WATERMASTER

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Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Consideration of Application for Local Storage Agreements – Overlying Non-Agricultural Pool (Consent Calendar Item I.D.)

SUMMARY

Issue: Consideration of Application for Local Storage Agreements – Storage of Excess Carryover Water by members of the Non-Agricultural Pool.

Recommendation: Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for local storage agreements as presented.

Financial Impact: None

Future Consideration

Appropriative Pool – September 13, 2018: Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for storage agreements as presented.

Non-Agricultural Pool – September 13, 2018: Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for storage agreements as presented.

Agricultural Pool – September 13, 2018: Recommend to the Advisory Committee to recommend that Watermaster Board approves the application for storage agreements as presented.

Advisory Committee – October 18, 2018: Recommend to the Watermaster Board to approve the application for storage agreements as presented.

Watermaster Board – October 25, 2018: Approve the application and authorize the General Manager to execute the necessary storage agreements.

ACTIONS:

Appropriative Pool – September 13, 2018:

Non-Agricultural Pool – September 13, 2018:

Agricultural Pool – September 13, 2018:

Advisory Committee – October 18, 2018:

Watermaster Board – October 25, 2018:

BACKGROUND

The Court approved the Peace Agreement, the Optimum Basin Management Program (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, 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).

Pursuant to the Peace Agreement §5.2; Restated Judgment, Exhibit G, Non-Agricultural Pool Pooling Plan ¶7; Restated Judgment Exhibit H, and Appropriative Pool Pooling Plan ¶12 parties are required to have approved Local Storage Agreements for the amounts in their stored water accounts.

During its regular meeting in March 2018 Watermaster Board approved Local Storage Agreements for all Appropriative and Non-Agricultural Pool parties for the balances shown in their respective accounts in the approved 2017/18 Assessment Package.

DISCUSSION

The Non-Agricultural Pool has submitted an Application For Local Storage Agreement (Attachment 1) on behalf of all its members for their Excess Carry Over accounts. The application was noticed on September 7, 2018 (Attachment 2).

The 500,000 ac-ft Safe Storage Capacity threshold analyzed in the OBMP Implementation Plan PEIR has been re-examined and revised to 600,000 ac-ft, through June 30, 2021. The total water in stored water accounts as of June 30, 2017 is 533,920.721 ac-ft. The anticipated total in stored water accounts as of June 30, 2018 is approximately between 535,000 ac-ft to 540,000 ac-ft, and the actual number will be known at the time of the 2018/19 Assessment Package approval.

The storage applications to be considered at this time are for the Excess Carry Over accounts of the members of the Non-Agricultural Pool. The agreements are being requested at this time even though the actual amount is not officially determined until the time the Assessment Package is approved later this year. The ending balance of Non-Agricultural Pool parties accounts will be reflected in the Assessment Package after any losses and transactions are accounted for. The approval of the subject storage applications, if granted, would apply to the yet-to-be-approved amounts pertaining to Non-Agricultural Pool parties' accounts in the 2018/19 Assessment Package.

ATTACHMENTS

1. Form 1 – Application for Local Storage Agreement
2. Notice of Application for Local Storage Agreements as noticed on September 7, 2018 (click on link below to access):

<https://cbwm.syncedtool.com/1/files/share/384187/Public%20FTP/Pending%20Applications/20180907%20Notice%20of%20Application%20for%20a%20Local%20Storage%20Agreement%20-%20Storage%20of%20Excess%20Carryover%20Water%20by%20the%20Non%20Ag%20Pool.pdf/9abb162877b999?view=1>

**APPLICATION
FOR
LOCAL STORAGE AGREEMENT**

APPLICANT

Non-Agricultural Pool Committee, for its members July 1, 2018 _____
 Name of Party Date Approved Date Approved

Various _____
 Street Address For each member, a quantity
equal to the surplus carryover of
such member as of midnight on
the evening of June 30, 2018.
See Attachment.

Various CA Various
 City State Zip Code

Telephone: Various _____ _____
 Amount Requested Amount Approved

Facsimile: Various _____

TYPE OF WATER TO BE PLACED IN STORAGE

Excess Carry Over Local Supplemental or Imported Both

PURPOSE OF STORAGE - Check all that may apply

- Stabilize or reduce future water costs/assessments.
- Facilitate utilization of other available sources of supply.
- Facilitate replenishment under certain well sites.
- Preserve pumping right for a changed future potential use.
- Other, explain Any purpose authorized or otherwise permitted under the Judgment and/or other governing documents

METHOD AND LOCATION OF PLACEMENT IN STORAGE - Check and attach all that may apply

| | |
|---|---|
| <input type="checkbox"/> Recharge (Form 2) | N/A: This application applies only to surplus carryover of members of the Non-Agricultural Pool. Surplus carryover consists of unproduced ground water. |
| <input type="checkbox"/> Transfer of Right to Water in Storage (Form 3) | |
| <input type="checkbox"/> Transfer from another party to the Judgment (Form 5) | |

METHOD AND LOCATION OF RECAPTURE FROM STORAGE - Check and attach all that may apply

| | |
|---|--|
| <input type="checkbox"/> Pump from my wells (Form 4) | Other: Any method permitted under the Judgment and/or other governing documents. |
| <input type="checkbox"/> Transfer to another party to the Judgment (Form 3) | |

WATER QUALITY AND WATER LEVELS

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

For information about the water quality and water levels of the Basin, please see
http://www.cbwm.org/rep_engineering.htm and http://cbwm.org/rep_eng_maps.htm

MATERIAL PHYSICAL INJURY

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

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

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

Applicant,
Chair, Non-Agricultural Pool Committee, as authorized by affirmative action of the Committee at its regular meeting on August 9, 2018

TO BE COMPLETED BY WATERMASTER:

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM AGRICULTURAL POOL: _____

DATE OF APPROVAL FROM APPROPRIATIVE POOL: _____

HEARING DATE, IF ANY: _____

DATE OF ADVISORY COMMITTEE APPROVAL: _____

DATE OF BOARD APPROVAL: _____ Agreement # _____

ATTACHMENT

This is an application for storage agreements authorized by the Non-Agricultural Pool Committee on behalf of the members of the Non-Agricultural Pool for surplus carryover of such members as of June 30, 2018. This application is for a single year. The Non-Agricultural Pool Committee presently anticipates filing an application for the year ended June 30, 2019 in 2019.

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

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

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

The applicant understands that Watermaster reports the quantity of carryover and excess carryover of each member of the Non-Agricultural Pool in the annual assessment packages. The most recent annual assessment package is available on Watermaster’s website. http://www.cbwm.org/rep_finance.htm. Based on Section 7 of Exhibit G to the Judgment, as described in the immediately preceding paragraph, the quantity added to the surplus carryover of each member of the Non-Agricultural Pool for the year ended June 30, 2018 is equal to or less than the carryover of such member for the year ended June 30, 2017.

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

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Storage Agreements as noticed on September 7, 2018

(click on link below to access):

<https://cbwm.syncedtool.com/1/files/share/384187/Public%20FTP/Pending%20Applications/20180907%20Notice%20of%20Application%20for%20a%20Local%20Storage%20Agreement%20-%20Storage%20of%20Excess%20Carryover%20Water%20by%20the%20Non%20Ag%20Pool.pdf/9abb162877b999?view=1>

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

A. FISCAL YEAR 2018/19 BUDGET TRANSFER (FORM T-18-07-01)



CHINO BASIN WATERMASTER

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PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) (Business Item II.A.)

SUMMARY

Issue: Approve Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01).

Recommendation: Recommend to the Advisory Committee to approve Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) as presented.

Financial Impact: No financial impact. The Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is a reallocation of approved budgeted funds and does not have any financial impact on the total FY 2018/19 "Amended" budget of \$13,615,365.07 which includes \$4,728,140.07 of Carry-Over funding.

Future Consideration

Appropriative Pool – September 13, 2018: Recommend Advisory Committee approval
Non-Agricultural Pool – September 13, 2018: Recommend Advisory Committee approval
Agricultural Pool – September 13, 2018: Recommend Advisory Committee approval
Advisory Committee – September 20, 2018: Approval
Watermaster Board – September 27, 2018: Adoption (Advisory Committee approval required)

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

Utilizing the Watermaster's accounting software (Intuit QuickBooks Enterprise Solutions 18.0), on a continuing basis the Watermaster staff reviews the budget vs. actual reports and ensures that adequate budget and funds are maintained. Watermaster also provides monthly financial reports to keep all members apprised of the actual and projected total expenses for the current fiscal year. Watermaster also provides a process for reallocating budget to other expense categories to provide continued funding, or amending the approved budget to ensure the categories are funded properly.

BUDGET TRANSFERS:

With regards to the process of budget transfers, the following information is provided:

The Chino Basin Watermaster budget has four main budget categories:

- General & Administrative Expenses
- Optimum Basin Management Program Expenses
- Project Expenditures
- Other Income/Expenses

The Watermaster General Manager has authority to transfer funds within the main budget categories up to \$25,000 without Board approval. However, to allow for full transparency in the process, the Pools, Advisory Committee, and the Board will be informed of all budget transfers less than \$25,000.

Budget transfers greater than \$25,000 *within the same categories* must be formally recommended for approval by the Pools, approved by the Advisory Committee, and approved by the Board. If there are insufficient funds within same category, the Watermaster General Manager may propose a transfer from one main category to another. All budget transfers from one main category to another, regardless of the amount, require recommended approval by the Pools, approval by the Advisory Committee, and approval by the Board.

All budget transfers are processed in and recorded in the accounting system.

DISCUSSION

Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

The attached Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is provided as documentation to clearly show which general ledger accounts are being reduced and which general ledger accounts are being increased. Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is reallocating existing approved budget dollars between Watermaster accounts as needed to pay the Recharge Improvement Project invoices received from IEUA. The Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) is a "net zero" document, which means the budget reductions of \$2,377,205.84 and budget additions of \$2,377,205.84 within the general ledger accounts are equal. There is no change to the overall budget as a result of Fiscal year 2018/19 Budget Transfer (Form T-18-07-01) and no new funds or assessments are required. The effective date of the Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) will be August 31, 2018 and all adjustments will be recorded within the August 2018 accounting period.

The general ledger accounts increased by Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) are as follows:

| | | |
|---------------------------------|-----------------|------------------------|
| Lower Day Basin (Task Order #2) | Account 7690.8 | \$ 414,540.85 |
| 2013 RMPU Projects | Account 7690.15 | \$ 690,258.97 |
| Funds on Hold for Projects * | Account 7690.9 | <u>\$ 1,272,406.02</u> |
| Grand Total | | <u>\$ 2,377,205.84</u> |

*Note the amount of \$1,272,406.02 cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

The general ledger accounts reduced by Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01) are as follows:

| | | |
|--|----------------|------------------------|
| CB20 Turnout Noise Abatement/Mitigation | Account 7690.5 | \$ 859.80 |
| Wineville Basin Proof of Concept (Task Order #6) | Account 7209.2 | \$ 35,397.53 |
| Jurupa Pumping Station (Task Order #5) | Account 7209.1 | \$ 37,981.33 |
| Hickory Basin Recharge Improvement Project | Account 7690.3 | \$ 3,877.00 |
| San Sevaire Recharge Project (Task Order #8) | Account 7690.4 | \$ 2,299,090.18 |
| Grand Total | | <u>\$ 2,377,205.84</u> |

The Approved "Amended" Budget for FY 2018/19 of \$13,615,365.07 (which includes the additional "Carry Over" funding of \$4,728,140.07) was NOT increased with the Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01).

SOURCES OF FUNDING:

CB20 Turnout Noise Abatement/Mitigation of \$859.80

The original budget for this project was \$80,000 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. After the project was completed, the amount of \$859.80 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$859.80 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Wineville Basin Proof of Concept (Task Order #6) of \$35,397.53

The original budget for this project was \$212,150 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. After the project was completed, the amount of \$35,397.53 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$35,397.53 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Jurupa Pumping Station (Task Order #5) of \$37,981.33

The original budget for this project was \$150,000 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. During the month of November 2014, Budget Transfer (Form T-14-10-01) was approved which allocated an amount of \$73,200 from the Jurupa Pumping Station (Task Order #5) to the Hickory Basin Recharge Improvement Project in the amount of \$27,500 and to the GWR SCADA Upgrades (Task Order #4) in the amount of \$45,700 (\$27,500 + \$45,700 = \$73,200). After Budget Transfer (Form T-14-10-01) the funding balance for this project was \$76,800 (\$150,000 - \$73,200 = \$76,800)

After the project was completed, the amount of \$37,981.33 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$37,981.33 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

Hickory Basin Recharge Improvement Project of \$3,877.00

The original budget for this project was \$52,500 and included in the FY 2013/14 approved budget. The funding for this project was assessed and collected as part of the FY 2013/14 assessment invoicing process. During the month of November 2014, Budget Transfer (Form T-14-10-01) was approved which allocated an amount of \$27,500 from the Jurupa Pumping Station (Task Order #5) to the Hickory Basin Recharge Improvement Project in the amount of \$27,500. After Budget Transfer (Form T-14-10-01), the funding balance for this project was \$80,000 ($\$52,500 + \$27,500 = \$80,000$)

After the project was completed, the amount of \$3,877.00 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$3,877.00 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2).

San Sevaine Recharge Project (Task Order #8) of \$2,299,090.18

The original budget for this project was \$2,667,500 and \$475,000 was included in the FY 2014/15 approved budget. The funding for this project was assessed and collected as part of the FY 2014/15 assessment invoicing process. Of the \$475,000 collected in FY 2014/15, the amount of \$368,409.82 was paid, leaving a carried-over balance of \$106,590.18.

As part of the FY 2015/16 budget, the amount of \$1,126,900 was included. This budgeted amount of \$1,126,900 was also assessed and collected as part of the FY 2015/16 assessment invoicing process.

As part of the FY 2016/17 budget, the amount of \$1,065,600 was included. This budgeted amount of \$1,065,600 was also assessed and collected as part of the FY 2016/17 assessment invoicing process.

Watermaster has recently been informed by IEUA that Grants and SRF loans will fund the remaining San Sevaine Project (Task Order #8) and the funding collected by Watermaster of \$2,299,090.18 will not be needed ($\$106,590.18 + \$1,126,900 + \$1,065,600 = \$2,299,090.18$).

The amount of \$2,299,090.18 has remained on the books and carried-over each year. At the July 25, 2018 RIPCom meeting, the committee recommended that Watermaster staff present for approval, a Budget Transfer Form which would allocate these funds to other projects that need additional funding. The amount of \$336,425.19 will be allocated to account number 7690.8 which is the Lower Day Basin (Task Order #2), and the amount of \$690,258.97 will be allocated to account number 7690.15 which is the 2013 RMPU Projects. The balance remaining of \$1,272,406.02 ($\$2,299,090.18 - \$336,425.19 - \$690,258.97 = \$1,272,406.02$) will be allocated to account number 7690.9 which is Funds on Hold for Projects.

Please note that amount of \$1,272,406.02 cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

USES OF FUNDING:

Lower Day Basin Project (Task Order #2) of \$414,540.85

The Lower Day Basin Project (Task Order #2) currently has a Budget Carry-Over fund available of \$5,287.54. However, Watermaster has recently received an invoice from IEIUA in the amount of \$119,828.39 and Watermaster does not have the current funding to cover the entire invoice amount. IEUA has also informed Watermaster that approximately \$300,000 of additional billings will be forthcoming within the next few months. The transfer of funds between accounts will provide funding and authorization for Watermaster to pay the current and future invoicing for the Lower Day Basin Project (Task Order #2).

The use of funds will be as follows:

| | |
|--------------------------------|------------------------|
| Current Funding: | \$ 5,287.54 |
| Transfer Funding: | <u>\$ 414,540.85</u> |
| Total Funding Balance: | \$ 419,828.39 |
| Less: | |
| Invoice from IEUA: | (\$ 119,828.39) |
| Projected Invoicing from IEUA: | <u>(\$ 300,000.00)</u> |
| Total Funding Balance: | \$ -0- |

2013 RMPU Projects of \$690,258.97

The 2013 RMPU Projects currently has a Budget Carry-Over fund available of \$589,923.18. However, Watermaster has recently received an invoice from IEIUA in the amount of \$980,182.15 and Watermaster does not have the current funding to cover the entire invoice amount. IEUA has also informed Watermaster that approximately \$300,000 of additional billings will be forthcoming within the next few months. The transfer of funds between accounts will provide funding and authorization for Watermaster to pay the current and future invoicing for the 2013 RMPU Projects.

The use of funds will be as follows:

| | |
|--------------------------------|------------------------|
| Current Funding: | \$ 589,923.18 |
| Transfer Funding: | <u>\$ 690,258.97</u> |
| Total Funding Balance: | \$ 1,280,182.15 |
| Less: | |
| Invoice from IEUA: | (\$ 980,182.15) |
| Projected Invoicing from IEUA: | <u>(\$ 300,000.00)</u> |
| Total Funding Balance: | \$ -0- |

Funds on Hold for Projects of \$1,272,406.02

The total amount available for transfer is \$2,377,205.84 with \$414,540.85 being transferred to fund the Lower Day Basin Project (Task Order #2) and \$690,258.97 being transferred to fund the 2013 RMPU Projects, leaving an available balance of \$1,272,406.02 ($\$2,377,205.84 - \$414,540.85 - \$690,258.97 = \$1,272,406.02$).

This available amount of \$1,272,406.02 will be assigned to a special fund account and cannot be allocated to another project(s) unless a Budget Transfer is presented to the Pools, Advisory, and Board for approval and adoption. This formal approval process ensures that these project related funds are not allocated without knowledge and approval.

ATTACHMENT

1. Fiscal Year 2018/19 Budget Transfer (Form T-18-07-01)

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

**B. 2018 RECHARGE MASTER PLAN UPDATE AND
RESOLUTION NO. 2018-04**



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: 2018 Recharge Master Plan Update and Resolution No. 2018-04 (Business Item II.B.)

SUMMARY

Issue: The 2018 Recharge Master Plan Update (RMPU) is due to be filed with the Court by October 2018 as required by the Peace II Agreement.

Recommendation: Recommend Advisory Committee to recommend to Watermaster Board to approve the 2018 RMPU as presented and adopt Resolution No. 2018-04.

Financial Impact: None

Future Consideration

Appropriative Pool – September 13, 2018: Advice and Assistance

Non-Agricultural Pool – September 13, 2018: Advice and Assistance

Agricultural Pool – September 13, 2018: Advice and Assistance

Advisory Committee – September 20, 2018: Advice and Assistance

Watermaster Board – September 27, 2018: Approve the 2018 RMPU and adopt Resolution No. 2018-04 [Within WM Duties and Powers]

ACTIONS:

Appropriative Pool – September 13, 2018:

Non-Agricultural Pool – September 13, 2018:

Agricultural Pool – September 13, 2018:

Advisory Committee – September 20, 2018:

Watermaster Board – September 27, 2018:

BACKGROUND

Section 8.1 of the Peace II Agreement requires that the Recharge Master Plan will be updated and jointly approved by Watermaster and Inland Empire Utilities Agency (IEUA) as frequently as necessary, not less frequently than every five years, and that Court approval be obtained for such updates. The most recent Recharge Master Plan Update (RMPU) was undertaken in 2013. As such, per Section 8.1 of the Peace II Agreement, an update to the 2013 RMPU is due to be filed with the Court no later than 2018.

As described in Section 1 of the 2018 RMPU, the recharge projects identified in the 2013 RMPU were refined during initial planning and design. Once the projects that were found to be feasible have been constructed, the 2013 RMPU recharge projects are expected to provide a projected increase in stormwater recharge of 4,800 acre-feet per year ("AFY") and recycled water recharge capacity of 7,100 AFY. The projects are in the final design phase and are expected to be operational by 2020.

To satisfy this requirement, Watermaster, with the assistance of Wildermuth Environmental, Inc., began the process of updating the 2013 RMPU in February 2018. Specifically, on February 15, 2018, Watermaster held the first of six 2018 RMPU Steering Committee meetings to obtain input, review, and comment on the 2018 RMPU as it was being developed. The Steering Committee was open to all and met monthly until the last section was reviewed on July 26, 2018. On August 16, 2018, Watermaster hosted a 2018 RMPU Workshop to summarize the document in its entirety and address comments that were received.

Throughout the development of the 2018 RMPU, the Watermaster Board received periodic updates as to the progress made by the Steering Committee.

To meet the deadline to file the 2018 RMPU with the Court, Board approval from Watermaster and IEUA is necessary. Approval from both Boards will occur in September 2018 with the IEUA Board set to consider approval of the 2018 RMPU on September 19, 2018.

DISCUSSION

The 2018 RMPU consists of seven sections, developed with input from the Steering Committee.

- Sections 1 and 2 summarize and describe the background and purpose of the RMPU, the changed conditions in the Basin since the 2013 RMPU, including an update on the implementation of the 2013 RMPU, and planning assumptions used in the 2018 RMPU.
- Section 3 contains technical analysis of the physical state of the basin and incorporates pumping projections from the Appropriators. The section aims to understand the future demands on the Chino Basin.
- Section 4 summarizes the existing and planned recharge facilities as compared to the Basin's recharge needs, including further describing the consideration and implementation of recharge facilities contemplated in the 2013 RMPU.
- Section 5 compares the findings in Section 3 (how much water will be used) with the findings in Section 4 (how much capacity the Basin will have for recharge) and documents the conclusion that the existing recharge strategy, as outlined in the 2013 RMPU, and the facilities on which it relies are sufficient until the next RMPU occurs in 2023.

In Section 6, conclusions and recommendations based on the previous section's analysis are described. The conclusions are:

1. Watermaster has access to enough recharge capacity to meet its supplemental recharge obligations through 2050.

2. No changes are recommended for the 6,500 afy supplemental water recharge obligation in MZ1 or in the prioritization of the recharge locations and amounts to meet the balance of recharge and discharge requirements.
3. The MS4 data collection from Section 5 of the 2013 RMPU Amendment will continue.
4. No new recharge projects will be considered at this time.

The recommendations are:

1. Continue implementation of 2013 RMPU yield enhancement projects.
2. Monitor Metropolitan Water District's IRP implementation progress and actions of others that could impact future imported water supply reliability for both direct use and replenishment.
3. Review the 6,500 afy recharge obligation in MZ1 in the 2023 RMPU or sooner.
4. Review the development of the CBWCD's Confluence project and review potential new stormwater and supplemental water recharge projects in the 2023 RMPU.
5. Annually review the time and effort involved in the collection of information on MS4 project implementation and reassess the value of this effort.

Staff recommends that the Pool Committee members recommend Advisory Committee to recommend to the Watermaster Board to adopt Resolution No 2018-04 and approve the 2018 RMPU as presented.

There is no financial impact associated with the recommended actions.

ATTACHMENTS

1. Final Draft of 2018 RMPU (Click on the link below to access):
<https://cbwm.syncedtool.com/shares/file/5a6a9e2526cb65/>
2. Draft Resolution No. 2018-04 to Adopt 2018 RMPU with Exhibits A-C

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DRAFT 2018 RMPU

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**RESOLUTION 2018-04
OF THE
CHINO BASIN WATERMASTER
REGARDING THE ADOPTION OF THE 2018 RECHARGE MASTER PLAN UPDATE**

1. **WHEREAS**, in 2000, the Chino Basin Watermaster adopted a Recharge Master Plan which established the technical foundation for the development of the recharge facilities and practices in the Chino Basin; and
2. **WHEREAS**, in 2001, Watermaster, in cooperation with the Inland Empire Utilities Agency ("IEUA"), initiated the Chino Basin Facilities Improvement Project ("CBFIP") which implemented facilities recommendations in the Recharge Master Plan; and
3. **WHEREAS**, in 2006, Watermaster, in cooperation with IEUA, initiated Phase II of the CBFIP in order to implement additional facilities recommendations in the Recharge Master Plan; and
4. **WHEREAS**, on December 21, 2007, the Court approved the Peace II Measures which set forth a modified approach to management of the Chino Basin known as Basin Re-Operation, the ultimate goal of which is the achievement of Hydraulic Control; and
5. **WHEREAS**, Section 8.1 of the Peace II Agreement, the relevant portions for purposes of this Resolution are attached as Exhibit A hereto, included the requirement that the Recharge Master Plan be updated and that each of Watermaster and IEUA approve the updates to the Recharge Master Plan; and
6. **WHEREAS**, pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft; and
7. **WHEREAS**, pursuant to Section 8.1 of the Peace II Agreement, updates to the Recharge Master Plan must occur as frequently as necessary, but not less frequently than every five years, and must be approved by the Court; and
8. **WHEREAS**, updates to the Recharge Master Plan must account for the new Basin management regime and other changes that occurred since the creation or last update of the Recharge Master Plan; and
9. **WHEREAS**, on June 30, 2010, Watermaster submitted its updated Recharge Master Plan ("2010 RMPU") to the Court; and
10. **WHEREAS**, Watermaster submitted its 2013 Amendment to the 2010 Recharge Master Plan Update ("2013 RMPU") to the Court on November 4, 2013; and
11. **WHEREAS**, on December 13, 2013, the Court issued an order approving the 2013 RMPU, except Section 5 thereof, and on April 25, 2013, the Court issued an Order approving Section 5 of the 2013 RMPU; and
12. **WHEREAS**, at its November 16, 2017 regular meeting, the Board reviewed an opinion from Wildermuth Environmental, Inc. ("WEI") regarding the adequacy of replenishment capacity. The Board adopted the findings in the WEI report, a copy of which is attached hereto as Exhibit B, which found that, as there is sufficient recharge capacity to meet future replenishment obligations identified in the 2013 RMPU and that if Basin Re-Operation were terminated prior to 2030, that Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, and, accordingly, Watermaster was in substantial compliance with the Recharge Master Plan, as required; and

13. **WHEREAS**, in February 2018, a Recharge Master Plan Update Steering Committee (“Steering Committee”), composed of stakeholders in the Basin, including IEUA, was convened in order to develop the 2018 Recharge Master Plan Update (“2018 RMPU”), attached hereto as Exhibit C, through a collaborative process. The Steering Committee held seven meetings from February 2018 to August 2018 in order for stakeholders to participate in the development of the 2018 RMPU; and

14. **WHEREAS**, the 2018 RMPU addresses the elements required by the Court’s December 21, 2007 Order Concerning Motion for Approval of Peace II Documents and the Peace II Agreement; and

15. **WHEREAS**, the 2018 RMPU includes: (1) a description of changed conditions in the Basin from those detailed in the 2013 RMPU and planning assumptions for the 2018 RMPU; (2) a description of the Basin’s response to the updated conditions in the Basin; (3) an inventory of existing and planned recharge facilities in the Basin that can be compared to the Basin’s recharge needs; (4) identification of future needs for recharge capacity in the Basin and a comparison with available recharge capacity; and, (5) recommendations for future activities and an implementation plan for the 2018 RMPU; and

16. **WHEREAS**, IEUA has been an active participant in the 2018 RMPU process and, on September 19, 2018, IEUA’s Board of Directors approved the 2018 RMPU; and

17. **WHEREAS**, the Watermaster Board has received periodic updates as to the progress made by the Steering Committee in the development of the 2018 RMPU.

NOW, THEREFORE, on the basis of the staff reports, expert opinions and substantial evidence presented, Watermaster finds that:

1. There exists sufficient recharge capacity to meet future replenishment obligations identified in the 2013 RMPU. If Basin Re-Operation were terminated prior to 2030, Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, in compliance with the Recharge Master Plan.
2. Watermaster and interested parties, through the Steering Committee, thoroughly evaluated changed circumstances since the time of the 2013 RMPU and how these changes affect the Recharge Master Plan, and this evaluation is included in Sections 2 and 3 of the 2018 RMPU.
3. Watermaster and interested parties, through the Steering Committee, thoroughly evaluated the existing and planned recharge facilities in the Basin as compared to the Basin’s recharge needs, and this evaluation is included in Section 4 of the 2018 RMPU.
4. Watermaster and interested parties, through the Steering Committee, considered the need for future recharge capacity by comparing the projected future recharge requirements of the Basin and physical capacity to achieve that requirement and concluded that the existing recharge capacity and facilities on which it relies are sufficient until the next Recharge Master Plan update in 2023. This evaluation is included in Section 5 of the RMPU.
5. Using the information and analysis contained in Sections 1 through 5 of the 2018 RMPU, Watermaster and interested parties, through the Steering Committee, developed recommendations and an implementation plan for the 2018 RMPU, which are included in Section 6 of the 2018 RMPU.
6. The development of the 2018 RMPU complies with the requirements for an update to the Recharge Master Plan.

NOW, THEREFORE, BE IT RESOLVED that, on the basis of the staff reports, expert opinions and substantial evidence presented, Watermaster finds that:

1. The 2018 RMPU is based on sound technical analysis and adequately updates the 2013 RMPU in light of changed economic, legislative, and hydrologic conditions within the State of California and in satisfaction of the Peace II Agreement and the Court's Orders.
2. Based upon the 2018 RMPU, there exists sufficient recharge capacity to meet future replenishment obligations identified in the 2018 RMPU through 2050. If Basin Re-Operation were terminated prior to 2030, Watermaster would be able to increase its replenishment activity in order to maintain hydrologic balance within the Basin, in compliance with the Recharge Master Plan.
3. Watermaster adopts the 2018 RMPU as the guidance document for the further development of the recharge facilities within the Basin.
4. Pursuant to the Peace II Agreement Section 8.1, Watermaster and IEUA will update the Recharge Master Plan not less frequently than once every five years. The Plan will next be updated no later than 2023.

APPROVED by the Advisory Committee this 20th day of September 2018.
ADOPTED by the Watermaster Board on this 27th day of September 2018.

By: _____
Chairman, Watermaster Board

APPROVED:

Chairman, Advisory Committee

ATTEST:

Board Secretary
Chino Basin Watermaster

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN BERNARDINO)

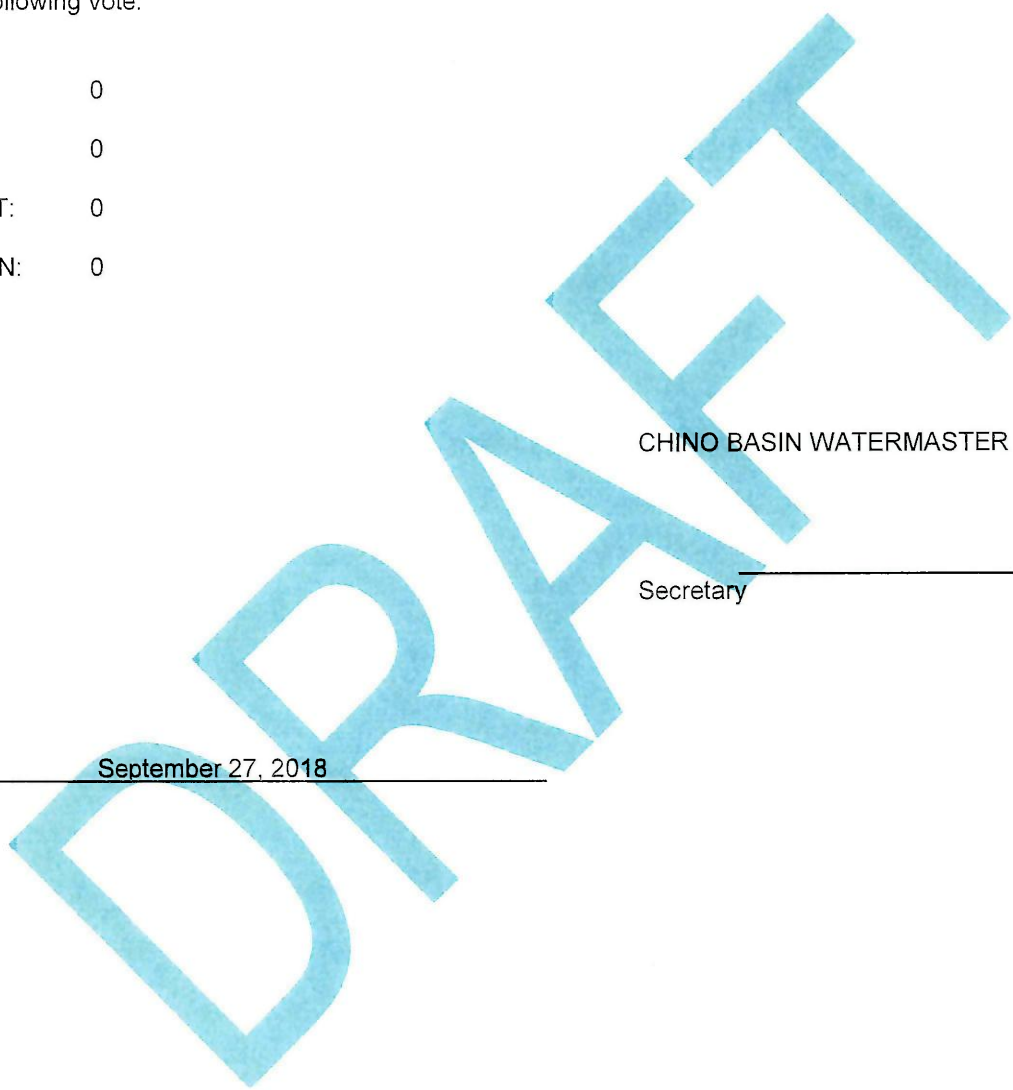
I, Bob Kuhn, Secretary/Treasurer of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 2018-04, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES: 0
NOES: 0
ABSENT: 0
ABSTAIN: 0

CHINO BASIN WATERMASTER

Secretary

Date: September 27, 2018



October 25, 2007

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

WHEREAS, paragraph 41 of the Judgment entered in *Chino Basin Municipal Water District v. City of Chino* (San Bernardino Superior Court Case No. 51010) grants Watermaster, with the advice of the Advisory and Pool Committees, "discretionary powers in order to implement an Optimum Basin Management Program ("OBMP") for the Chino Basin";

WHEREAS, the Parties to the Judgment executed an agreement resolving their differences and pledging their support for Watermaster actions in accordance with specific terms in June of 2000 ("Peace Agreement");

WHEREAS, Watermaster approved Resolution 00-05, and thereby adopted the goals and objectives of the OBMP, the OBMP Implementation Plan and committed to act in accordance with the terms of the Peace Agreement;

WHEREAS, pursuant to Article IV, paragraph 4.2, each of the parties to the Peace Agreement agreed not to oppose Watermaster's adoption and implementation of the OBMP Implementation Plan attached as Exhibit "B" to the Peace Agreement;

WHEREAS, the Peace Agreement, the OBMP Implementation Plan and the Chino Basin Watermaster Rules and Regulations contemplate further actions by Watermaster in furtherance of its responsibilities under paragraph 41 of the Judgment and in accordance with the Peace Agreement and the OBMP Implementation Plan;

WHEREAS, the Parties to the Peace Agreement made certain commitments regarding the funding, design, construction and operation of Future Desalters;

WHEREAS, after receiving input from its stakeholders in the form of the Stakeholder's Non-Binding Term Sheet, Watermaster has proposed to adopt Resolution 07-05 attached as Exhibit "1" hereto to further implement the OBMP through a suite of measures commonly referred to and herein defined as "Peace II Measures", including but not limited to the 2007 Supplement to the OBMP, the Second Amendment to the Peace Agreement, amendments to Watermaster's Rules and Regulations, the purchase and sale of water within the Overlying (Non-Agricultural) Pool and certain Judgment amendments; and

NOW, THEREFORE, in consideration of the mutual promises specified herein and by conditioning their performance under this Agreement upon the conditions precedent set forth in Article III herein, the Watermaster Approval, and Court Order, and for other good and valuable consideration, the Parties agree as follows:

October 25, 2007

- 7.5 Allocation of Losses. Any losses from storage assessed as a Leave Behind in excess of actual losses ("dedication quantity") will be dedicated by Watermaster towards groundwater Production by the Desalters to thereby avoid a Desalter replenishment obligation that may then exist *in the year* of recovery. Any dedication quantity which is not required to offset Desalter Production in the year in which the loss is assessed, will be made available to the members of the Appropriative Pool. The dedication quantity will be pro-rated among the members of the Appropriative Pool in accordance with each Producer's combined total share of Operating Safe Yield and the previous year's actual production. However, before any member of the Appropriative Pool may receive a distribution of any dedication quantity, they must be in full compliance with the 2007 Supplement to the OBMP Implementation Plan and current in all applicable Watermaster assessments.

ARTICLE VIII RECHARGE

- 8.1 Update to the Recharge Master Plan. Watermaster will update and obtain Court approval of its update to the Recharge Master Plan to address how the Basin will be contemporaneously managed to secure and maintain Hydraulic Control and subsequently operated at a new equilibrium at the conclusion of the period of Re-Operation. The Recharge Master Plan will be jointly approved by IEUA and Watermaster and shall contain recharge estimations and summaries of the projected water supply availability as well as the physical means to accomplish the recharge projections. Specifically, the Plan will reflect an appropriate schedule for planning, design, and physical improvements as may be required to provide reasonable assurance that following the full beneficial use of the groundwater withdrawn in accordance with the Basin Re-Operation and authorized controlled overdraft, that sufficient Replenishment capability exists to meet the reasonable projections of Desalter Replenishment obligations. With the concurrence of IEUA and Watermaster, the Recharge Master Plan will be updated and amended as frequently as necessary with Court approval and not less than every five (5) years. Costs incurred in the design, permitting, operation and maintenance of recharge improvements will be apportioned in accordance with the following principles.
- a. Operations and Maintenance. All future operations and maintenance costs attributable to all recharge facilities utilized for recharge of recycled water in whole or in part unfunded from third party sources, will be paid by the Inland Empire Utilities Agency ("IEUA") and Watermaster. The contribution by IEUA will be determined annually on the basis of the relative proportion of recycled water recharged bears to the total recharge from all sources in the prior year. For example, if 35 percent of total recharge in a single year is from recycled water, then IEUA will bear 35 percent of the operations and maintenance costs. All remaining unfunded costs attributable to the facilities used by Watermaster will be paid by Watermaster.
- i. IEUA reserves discretion as to how it assesses its share of costs.

October 25, 2007

ii. Watermaster will apportion its costs among the members of the stakeholders in accordance with Production, excluding Desalter Production.

iii. The operations and maintenance costs of water recharged by aquifer storage and recovery will not be considered in the calculation other than by express agreement.

b. Capital. Mutually approved capital improvements for recharge basins that do or can receive recycled water constructed pursuant to the Court approved Recharge Master Plan, if any, will be financed through the use of third party grants and contributions if available, with any unfunded balance being apportioned 50 percent each to IEUA and Watermaster. The Watermaster contribution shall be allocated according to shares of Operating Safe Yield. All remaining unfunded costs attributable to the facilities used by Watermaster will be paid by Watermaster.

8.2 Coordination. The members of the Appropriative Pool will coordinate the development of their respective Urban Water Management Plans and Water Supply Master Plans with Watermaster as follows.

- (a) Each Appropriator that prepares an Urban Water Management Plan and Water Supply Plans will provide Watermaster with copies of their existing and proposed plans.
- (b) Watermaster will use the Plans in evaluating the adequacy of the Recharge Master Plan and other OBMP Implementation Plan program elements.
- (c) Each Appropriator will provide Watermaster with a draft in advance of adopting any proposed changes to their Urban Water Management Plans and in advance of adopting any material changes to their Water Supply Master Plans respectively in accordance with the customary notification routinely provided to other third parties to offer Watermaster a reasonable opportunity to provide informal input and informal comment on the proposed changes.
- (d) Any party that experiences the loss or the imminent threatened loss of a material water supply source will provide reasonable notice to Watermaster of the condition and the expected impact, if any, on the projected groundwater use.

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

October 25, 2007

8.4 Acknowledgment re 6,500 Acre-Foot Supplemental Recharge. The Parties make the following acknowledgments regarding the 6,500 Acre-Foot Supplemental Recharge:

- (a) A fundamental premise of the Physical Solution is that all water users dependent upon Chino Basin will be allowed to pump sufficient waters from the Basin to meet their requirements. To promote the goal of equal access to groundwater within all areas and sub-areas of the Chino Basin, Watermaster has committed to use its best efforts to direct recharge relative to production in each area and sub-area of the Basin and to achieve long-term balance between total recharge and discharge. The Parties acknowledge that to assist Watermaster in providing for recharge, the Peace Agreement sets forth a requirement for Appropriative Pool purchase of 6,500 acre-feet per year of Supplemental Water for recharge in Management Zone 1 (MZ1). The purchases have been credited as an addition to Appropriative Pool storage accounts. The water recharged under this program has not been accounted for as Replenishment water.
- (b) Watermaster was required to evaluate the continuance of this requirement in 2005 by taking into account provisions of the Judgment, Peace Agreement and OBMP, among all other relevant factors. It has been determined that other obligations in the Judgment and Peace Agreement, including the requirement of hydrologic balance and projected replenishment obligations, will provide for sufficient wet-water recharge to make the separate commitment of Appropriative Pool purchase of 6,500 acre-feet unnecessary. Therefore, because the recharge target as described in the Peace Agreement has been achieved, further purchases under the program will cease and Watermaster will proceed with operations in accordance with the provisions of paragraphs (c), (d) and (e) below.
- (c) The parties acknowledge that, regardless of Replenishment obligations, Watermaster will independently determine whether to require wet-water recharge within MZ1 to maintain hydrologic balance and to provide equal access to groundwater in accordance with the provisions of this Section 8.4 and in a manner consistent with the Peace Agreement, OBMP and the Long Term Plan for Subsidence." Watermaster will conduct its recharge in a manner to provide hydrologic balance within, and will emphasize recharge in MZ1. Accordingly, the Parties acknowledge and agree that each year Watermaster shall continue to be guided in the exercise of its discretion concerning recharge by the principles of hydrologic balance.
- (d) Consistent with its overall obligations to manage the Chino Basin to ensure hydrologic balance within each management zone, for the duration of the Peace Agreement (until June of 2030), Watermaster will ensure that a minimum of 6,500 acre-feet of wet water recharge occurs within MZ1 on an annual basis. However, to the extent that water is unavailable for recharge or there is no replenishment obligation in any year, the obligation to recharge 6,500 acre-feet will accrue and be satisfied in subsequent years.
 - (1) Watermaster will implement this measure in a coordinated manner so as to

facilitate compliance with other agreements among the parties, including but not limited to the Dry-Year Yield Agreements.

- (2) In preparation of the Recharge Master Plan, Watermaster will consider whether existing groundwater production facilities owned or controlled by producers within MZ1 may be used in connection with an aquifer storage and recovery ("ASR") project so as to further enhance recharge in specific locations and to otherwise meet the objectives of the Recharge Master Plan.
- (e) Five years from the effective date of the Peace II Measures, Watermaster will cause an evaluation of the minimum recharge quantity for MZ1. After consideration of the information developed in accordance with the studies conducted pursuant to paragraph 3 below, the observed experiences in complying with the Dry Year Yield Agreements as well as any other pertinent information, Watermaster may increase the minimum requirement for MZ1 to quantities greater than 6,500 acre-feet per year. In no circumstance will the commitment to recharge 6,500 acre-feet be reduced for the duration of the Peace Agreement.

ARTICLE IX

9.1 Basin Management Assistance. Three Valleys Municipal Water District ("TVMWD") shall assist in the management of the Basin through a financial contribution of \$300,000 to study the feasibility of developing a water supply program within Management Zone 1 of the Basin or in connection with the evaluation of Future Desalters. The study will emphasize assisting Watermaster in meeting its OBMP Implementation Plan objectives of concurrently securing Hydraulic Control through Re-Operation while attaining Management Zone 1 subsidence management goals. Further, TVMWD has expressed an interest in participating in future projects in the Basin that benefit TVMWD. If TVMWD wishes to construct or participate in such future projects, TVMWD shall negotiate with Watermaster in good faith concerning a possible "buy-in" payment.

9.2 Allocation of Non-Agricultural Pool OBMP Special Assessment

a. For a period of ten years from the effective date of the Peace II Measures, any water (or financial equivalent) that may be contributed from the Overlying (Non-Agricultural) Pool in accordance with paragraph 8(c) of Exhibit G to the Judgment (as amended) will be apportioned among the members of the Appropriate Pool in each year as follows:

| | | |
|-------|----------------------------|--------|
| (i) | City of Ontario. | 80 af |
| (ii) | City of Upland | 161 af |
| (iii) | Monte Vista Water District | 213 af |
| (iv) | City of Pomona | 220 af |
| (v) | Marygold Mutual Water Co | 16 af |
| (vi) | West Valley Water District | 15 af |

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CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: November 16, 2017

TO: Advisory Committee and Board Members

SUBJECT: Annual Finding of Substantial Compliance with the Recharge Master Plan
(Consent Calendar Item I.C.)

SUMMARY

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

Recommendations:

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

Watermaster Board – Adopt the finding that Watermaster is in substantial compliance with the Recharge Master Plan.

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

Future Consideration

Agricultural Pool – November 13, 2017: Recommendation to the Advisory Committee
Advisory Committee – November 16, 2017: Recommendation to the Watermaster Board
Watermaster Board – November 16 2017: Adopt the Finding of Compliance [Discretionary Function]

ACTIONS:

November 9, 2017 – Appropriative Pool: Unanimously recommended Advisory Committee approval.
November 9, 2017 – Non-Agricultural Pool: Unanimously recommended their representatives to support at Advisory Committee and Watermaster Board meetings subject to changes they deem necessary.
November 13, 2017 – Agricultural Pool:
November 16, 2017 – Advisory Committee:
November 16, 2017 – Watermaster Board:

BACKGROUND

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

Pursuant to Section 8.3 of the Peace II Agreement, Watermaster is obligated to make an annual finding that it is in substantial compliance with the Recharge Master Plan, as it is revised. This requirement exists to ameliorate any long-term risk attributable to reliance upon un-replenished groundwater production by the Desalters, and is a condition on the annual availability of any portion of the 400,000 acre-feet set aside as controlled overdraft. Wildermuth Environmental, Inc. (WEI) has prepared the attached opinion regarding the adequacy of replenishment capacity, which includes the information that Watermaster needs to make this finding for Fiscal Year 2017-2018.

DISCUSSION

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

ATTACHMENTS

1. Annual Finding of Substantial Compliance – Fiscal Year 2017/18 (10/31/17 WEI Letter to CBWM)



October 31, 2017

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

Subject: Annual Finding of Substantial Compliance – Fiscal 2017-18 (2018)

Dear Mr. Kavounas:

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

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

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

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

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

Pursuant to the Peace II Agreement, Watermaster is obligated, following the completion of the 2010 Recharge Master Plan Update (RMPU), to make an annual finding that there is enough supplemental water recharge capacity to meet replenishment obligations. This letter report includes the information required by Watermaster to make this finding for fiscal 2018.

During the period of 2008-2010, Watermaster, in collaboration with the Inland Empire Utilities Agency (IEUA) and Chino Basin Water Conservation District (CBWCD), completed the 2010 RMPU, which was submitted to the Court in June 2010. The Court subsequently approved the 2010 RMPU in October 2010.

In approving the 2010 RMPU, the Court ordered the Watermaster to update groundwater pumping and replenishment projections. Watermaster and the IEUA updated the groundwater pumping projections and reported on them in the 2013 Amendment to the 2010 Recharge Master Plan Update (2013 RMPU) pursuant to the October 2010 Court Order. The table below shows the projected replenishment obligations developed in the Safe Yield reset process completed in 2015 and reported in Table 7-5 of the 2013 *Chino Basin Groundwater Model Update and Recalculation of Safe Yield*¹ report, finalized in October 2015.

Table 1 Projected Replenishment Obligations
 (afy)

| Fiscal Year | Wet-water Replenishment Projection from the October 2015 Chino Basin Groundwater Model Update and Recalculation of Safe Yield ² |
|-------------|--|
| 2020 | 0 |
| 2025 | 3,400 |
| 2030 | 14,000 |
| 2035 | 31,800 |
| 2040 | 31,800 |

The projected replenishment obligation is based on the groundwater pumping projections developed in the 2013 RMPU and projections of future safe yield. The 2018 projected supplemental water recharge capacity in the Chino Basin is listed in the table below along with prior estimate for fiscal year 2017 as estimated in the 2017 *Annual Findings of Substantial Compliance*.

Table 2 Projected Supplemental Water Recharge Capacity Estimates by Fiscal Year
 (afy)

| Recharge Facility | 2017 | 2018 |
|-------------------------------|--------------------|-------------------|
| Spreading Basins ³ | 74,700 | 56,600 to 70,200 |
| ASR Wells ⁴ | 5,600 | 5,500 |
| In-Lieu ⁵ | 25,000 to 40,000 | 25,000 to 40,000 |
| Total | 105,300 to 120,300 | 87,100 to 115,700 |

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

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

³ Aggregate spreading basin recharge capacity revised since 2017, based on an update to the infiltration rates by WEI and IEUA.

⁴ ASR recharge capacity will be reevaluated in 2018

⁵ In-lieu recharge capacity will be reevaluated in 2018

Figure 1 shows the locations of spreading basins utilized by Watermaster and the IEUA for recharge in the Chino Basin. Table 3 lists the spreading basins available to Watermaster and their respective supplemental water recharge capacities⁶. The projected range in supplemental recharge capacity of 56,600 to 70,200 afy is less than reported in last year's Annual Finding of Substantial Compliance. This decrease in supplemental water recharge capacity is attributed to IEUA field observations of recharge performance and the application of a new method of estimating the time history of infiltration capacity under various recharge loading rates and periods between maintenance.

The Metropolitan Water District of Southern California (Metropolitan) provides imported water to the Chino Basin area through the IEUA. In its 2015 Integrated Regional Plan (IRP) Update,⁷ Metropolitan indicated that it will have enough water to meet all the supplemental water requirements within its service area through 2040, provided that it and member agencies implement the programs described in the 2015 IRP Update. The Watermaster parties can also import non-State Water Project (SWP) water into the Chino Basin area through Metropolitan's system. Watermaster uses SWP water served by Metropolitan for replenishment. In October 2017, Quagga mussels were discovered in the East Branch of the SWP. The full impact on the delivery of SWP water for recharge in the Chino basin due occurrence of Quagga mussels is unknown. The occurrence of Quagga mussels may limit the availability of recharge facilities during parts of the year to enable their eradication. The impact of Quagga mussels on the Watermaster's ability to recharge supplemental and storm waters will be evaluated prior to the 2019 Annual Finding of Substantial Compliance and will be included in that report.

Based on the best available information and excluding consideration of Quagga mussel impacts, the supplemental water recharge capacity available to Watermaster is about three to four times the projected replenishment obligation.

Based on our knowledge of the conditions in fiscal year 2018 and future water management projections, Watermaster's ability to recharge the basin with supplemental water to mitigate future overproduction is sufficient to meet expected future replenishment obligations. If re-operation were discontinued at any time through 2030, Watermaster would be able to increase its replenishment activity and maintain the hydrologic balance in the basin required by the Judgment.

Moreover, in November 2011, Watermaster committed to engage in a process to develop a preemptive replenishment program that would involve the acquisition and recharge of supplemental water in advance of incurring replenishment obligations and storing that water until future replenishment obligations occur. Preemptive replenishment is a complementary management tool that further enhances Watermaster's ability to meet its future replenishment requirements. In fiscal years 2011 and 2012, about 32,000 af of imported water was preemptively recharged. The IEUA has been recharging significant amounts of recycled water in the Chino Basin since 2006 and recharged about 13,900 af in fiscal 2017. And, the Peace II requirement to recharge 6,500 afy of supplemental water in Management Zone 1 is another example of preemptive replenishment that is currently active and will be so through 2030.

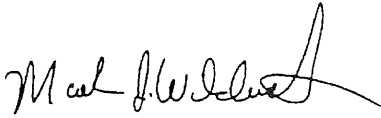
⁶ Infiltration rates were based either on an exponential decay function if data were available to develop such a function and its R² value was greater than 0.5 or the average long-term infiltration rate; both based on IEUA data and reported infiltration rates. This work will be documented in the 2018 Recharge Master Plan Update.

⁷ This report is located here: <http://mwdh2o.com/>

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

Very truly yours,

Wildermuth Environmental, Inc.



Mark Wildermuth, PE
President



Garrett Rapp, PE
Staff Engineer

Encl: Figure 1, Table 3

Table 3
Supplemental Water Recharge Capacity Estimates

| Recharge Facility | Average Operational Availability for Supplemental Water Recharge | | | | | | | | | | | | Recharge Capacity Limitations for Supplemental Water Recharge Facilities | | | | | Theoretical Maximum Supplemental Water Recharge Capacity | | | | | | | | |
|-----------------------------------|--|---------------------------|---------------------------|-----------|------|------|-----------|----------|------|-----------|---------|----------|--|-----------|-------------------------|--|--|--|---------|-------------------------------------|-------|---|---|--|--|---------------|
| | Quarter 3 | | | Quarter 4 | | | Quarter 1 | | | Quarter 2 | | | Spillway, Outlet, Cons. Berm or Inlet Controlled | Freeboard | Maximum Operating Level | Wetted Area at Maximum Operating Level | Assumed Number of Years Between Maintenance ² | Parameter Values for Estimating Infiltration Rate ³ | | | | Maximum Theoretical One-Month Recharge Total ⁵ | Maximum Theoretical Three-Month Recharge Total ⁶ | Maximum Theoretical Annual Recharge Total ⁷ | Maximum Average Theoretical Annual Recharge Between Maintenance Periods ⁷ | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | | | | | | Exponential Decay Function | | Long-Term Average Infiltration Rate | | | | | | |
| | Alpha | Maximum Infiltration Rate | R-Squared Goodness of Fit | | | | | (ft/day) | (ft) | (ft/mch) | (ac-ft) | (ft/day) | (ft) | (ft) | | | | | | | | | | | | |
| Brooks Street Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 869.5 | a | 1.5 | 868.0 | 9.5 | 3 | 0.0003 | 1.8 | 0.674 | - | 385 | 1,031 | 2,401 | 1,658 |
| College Heights Basin - East | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.90 | 0.90 | 0.96 | 0.91 | 0.84 | 0.78 | 1242.0 | a | 1 | 1241.0 | 6.2 | 10 | - | - | - | 3.0 | 558 | 1,552 | 5,816 | 5,816 |
| College Heights Basin - West | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.90 | 0.90 | 0.96 | 0.91 | 0.84 | 0.78 | 1242.0 | a | 16 | 1226.0 | 3.3 | 10 | - | - | - | 2.0 | 198 | 551 | 2,064 | 2,064 |
| Montclair Basin 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.75 | 0.75 | 0.96 | 0.91 | 0.84 | 0.78 | 1128.2 | b | 1 | 1127.2 | 7.4 | 4 | 0.002 | 3.8 | 0.879 | - | 302 | 608 | 994 | 409 |
| Montclair Basin 2 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.75 | 0.75 | 0.96 | 0.91 | 0.84 | 0.78 | 1097.0 | b | 0 | 1097.0 | 11.6 | 4 | 0.0002 | 4.4 | 0.622 | - | 1,188 | 2,923 | 5,980 | 2,940 |
| Montclair Basin 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.75 | 0.75 | 0.96 | 0.91 | 0.84 | 0.78 | 1057.0 | b | 0 | 1057.0 | 4.3 | 4 | 0.002 | 3.2 | 0.625 | - | 280 | 572 | 964 | 400 |
| Montclair Basin 4 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.75 | 0.75 | 0.96 | 0.91 | 0.84 | 0.78 | 1037.0 | b | 2 | 1035.0 | 5.5 | 4 | 0.0005 | 1.4 | 0.720 | - | 270 | 702 | 1,609 | 915 |
| Eighth Street Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.50 | 0.50 | 0.96 | 0.91 | 0.84 | 0.78 | 1144.5 | b | 0 | 1144.5 | 17.0 | 2 | - | - | - | 0.7 | 357 | 993 | 3,426 | 3,426 |
| Seventh Street Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1130.0 | c | 0 | 1130.0 | 5.6 | 3 | - | - | - | 0.7 | 118 | 327 | 1,170 | 1,170 |
| Upland Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.90 | 0.90 | 0.96 | 0.91 | 0.84 | 0.78 | 1210.0 | f | 30 | 1180.0 | 13.2 | 10 | 0.00022 | 1.3 | 0.986 | - | 283 | 801 | 2,027 | 891 |
| Subtotal Management Zone 1 | | | | | | | | | | | | | | | | | | | | | | | 3,939 | 10,058 | 26,429 | 19,689 |
| Ely | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 838.0 | b | 3 | 835.0 | 33.0 | 3 | 0.0001 | 1.2 | 0.511 | - | 948 | 2,578 | 6,274 | 4,501 |
| Eliwanda Debris Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.90 | 0.90 | 0.96 | 0.91 | 0.84 | 0.78 | 1605.0 | d | 0 | 1605.0 | 15.5 | 10 | - | - | - | 0.6 | 279 | 776 | 2,908 | 2,908 |
| Hickory Basin East | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1117.0 | d | 3 | 1114.0 | 4.1 | 3 | - | - | - | 0.7 | 86 | 239 | 856 | 856 |
| Hickory Basin West | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1115.0 | d | 1 | 1114.0 | 6.8 | 3 | - | - | - | 0.7 | 143 | 397 | 1,420 | 1,420 |
| Lower Day Basin Cell 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1379.8 | e | 1 | 1377.0 | 3.6 | 5 | - | - | - | - | 438 | 1,088 | 2,244 | 983 |
| Lower Day Basin Cell 2 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1379.8 | e | 1 | 1372.0 | 4.9 | 5 | 0.0006 | 1.8 | 0.909 | - | 438 | 1,088 | 2,244 | 983 |
| Lower Day Basin Cell 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1379.8 | e | 1 | 1373.0 | 6.3 | 5 | - | - | - | - | 438 | 1,088 | 2,244 | 983 |
| San Sevaine No. 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1488.7 | d | 0 | 1488.7 | 9.7 | 5 | 0.01 | 3.4 | 0.732 | - | 231 | 324 | 418 | 114 |
| San Sevaine No. 2 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1472.5 | f | 0 | 1472.5 | 8.5 | 5 | 0.0001 | 2.8 | 1.000 | - | 647 | 1,774 | 4,626 | 2,869 |
| San Sevaine No. 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.80 | 0.80 | 0.96 | 0.91 | 0.84 | 0.78 | 1458.0 | f | 0 | 1458.0 | 5.3 | 5 | 0.0001 | 2.8 | 1.000 | - | 403 | 1,132 | 3,126 | 2,226 |
| Turner Basin No. 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1000.0 | b | 2 | 998.0 | 12.7 | 3 | 0.002 | 2.0 | 0.698 | - | 424 | 785 | 1,172 | 577 |
| Turner Basin No. 2 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 990.5 | b | 1 | 989.5 | 3.9 | 3 | 0.0045 | 1.8 | 0.505 | - | 139 | 276 | 453 | 227 |
| Turner Basin No. 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 980.5 | a | 2 | 978.5 | 2.8 | 3 | - | - | - | 0.5 | 42 | 117 | 418 | 418 |
| Turner Basin No. 4A | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 980.5 | a | 2 | 978.5 | 6.6 | 3 | - | - | - | - | 99 | 274 | 981 | 981 |
| Turner Basin No. 4B | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 980.5 | a | 2 | 978.5 | 1.1 | 3 | - | - | - | 0.5 | 17 | 46 | 164 | 164 |
| Turner Basin No. 4C | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 980.5 | a | 2 | 978.5 | 1.3 | 3 | - | - | - | - | 19 | 53 | 191 | 191 |
| Victoria Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1323.9 | b | 1 | 1322.9 | 19.1 | 3 | - | - | - | 0.4 | 229 | 637 | 2,279 | 2,279 |
| Subtotal Management Zone 2 | | | | | | | | | | | | | | | | | | | | | | | 4,144 | 10,497 | 27,528 | 20,713 |
| Banana Basin | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 1143.0 | b | 0 | 1143.0 | 7.5 | 3 | - | - | - | 0.8 | 180 | 501 | 1,790 | 1,790 |
| Declez Basin Cell 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 833.2 | d | 0 | 833.2 | 6.9 | 3 | - | - | - | 0.6 | 124 | 345 | 1,235 | 1,235 |
| Declez Basin Cell 2 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 831.0 | d | 1 | 830.0 | 4.6 | 3 | - | - | - | - | 83 | 230 | 823 | 823 |
| Declez Basin Cell 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 831.0 | d | 1 | 830.0 | 4.3 | 3 | - | - | - | 0.6 | 77 | 215 | 770 | 770 |
| IEUA RP3 Basin Cell 1 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 961.0 | d | 3 | 958.0 | 10.4 | 3 | - | - | - | 1.5 | 468 | 1,301 | 4,653 | 4,653 |
| IEUA RP3 Basin Cell 3 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 950.0 | d | 0 | 950.0 | 7.3 | 3 | - | - | - | 1.5 | 329 | 913 | 3,266 | 3,266 |
| IEUA RP3 Basin Cell 4 | 0.74 | 0.74 | 0.75 | 0.83 | 0.92 | 1.00 | 0.67 | 0.67 | 0.96 | 0.91 | 0.84 | 0.78 | 945.0 | d | 1 | 944.0 | 8.2 | 3 | - | - | - | 1.5 | 369 | 1,026 | 3,669 | 3,669 |
| Subtotal Management Zone 3 | | | | | | | | | | | | | | | | | | | | | | | 1,630 | 4,532 | 16,204 | 16,204 |
| Totals | | | | | | | | | | | | | | | | | | | | | | | 9,713 | 25,088 | 70,162 | 56,606 |

1 - Limiting control structure types are the following: a = inlet, b = spillway, c = flood control restriction, d = conservation berm, e = outlet, f = other restriction
2 - The term Maintenance as used in the table means maintenance activities that restore infiltration rates (removal of clogging layers followed by ripping or functionally equivalent activities).
3 - Infiltration rates were based either on an exponential decay function if data were available to develop such a function and its R² value was greater than 0.5, or the average long-term infiltration rate; both based on IEUA data and reported infiltration rates. This work will be documented in the 2018 Recharge Master Plan Update.
4 - Assumes recharge facility has been cleaned over the period of July to August, and is filled to operating level on September 1st. Average September operational availability factor applied.
5 - Maximum Theoretical Three-Month Recharge Total is the total recharge from the three-month period directly after a cleaning (September through November). Average operational availability factors applied.
6 - Maximum Theoretical Annual Recharge Total is the total recharge from the 10-month period directly after a cleaning (September through June). Average operational availability factors applied.
7 - Average annual recharge over span between maintenance. When recharge facilities are not being cleaned, operational availability is 1.0 for July and August. Average cleaning frequency of each recharge facility was provided by IEUA.

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DRAFT 2018 RMPU

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

**C. TASK ORDER NO. 4 UNDER MASTER AGREEMENT FOR
COLLABORATIVE PROJECTS: CHINO BASIN CONJUNCTIVE USE
ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM
(CBEWP) EVALUATION AND CONCEPTUAL DESIGN SUPPORT**



CHINO BASIN WATERMASTER

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

PETER KAVOUNAS, P.E.
General Manager

STAFF REPORT

DATE: September 13, 2018
TO: Pool Committee Members
SUBJECT: Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (CBEWP) Evaluation and Conceptual Design Support. (Business Item II.C.)

SUMMARY

Issue: IEUA is requesting assistance from Watermaster on the CBEWP Proposition 1 evaluation and conceptual design.

Recommendation: Recommend to the Advisory Committee to approve Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.

Financial Impact: None

Future Consideration

Appropriative Pool – September 13, 2018: Recommend Advisory Committee approval.
Non-Agricultural Pool – September 13, 2018: Recommend Advisory Committee approval.
Agricultural Pool – September 13, 2018: Recommend Advisory Committee approval.
Advisory Committee – September 20, 2018: Approve
Watermaster Board – September 27, 2018: Approve [AC Approval required]

ACTIONS:

Appropriative Pool – September 13, 2018:
Non-Agricultural Pool – September 13, 2018:
Agricultural Pool – September 13, 2018:
Advisory Committee – September 20, 2018:
Watermaster Board – September 27, 2018:

BACKGROUND

The Inland Empire Utilities Agency is analyzing the feasibility of a Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (CBEWP). The proposed operation of the CBEWP is as follows:

- The advanced water treatment facility will recharge ("put") up to 15,000 AFY of treated water into the groundwater basin and store under the Chino Basin Water Bank (CBWB). The maximum storage capacity reserved for the CBEWP is 100,000 AF.
- During a pump back ("take") provision, the project would pump up to 50,000 AFY from the CBWB. The water would be delivered to the partnering State Water Project Contractor (SWPC), potentially MWD, and pumped into their existing distribution system for use within Southern California. An equivalent amount of water would then be exchanged with the SWPC. The exchange would leave behind water in Lake Oroville storage. The project can pump up to 50,000 AF of water for up to three consecutive dry year.

IEUA requests assistance from CBWM and its Engineer, WEI, to study the feasibility and acquire the technical knowledge to support the conceptual design and development of the CBEWP.

On September 28, 2017 Watermaster and IEUA entered into a Master Agreement for Collaborative Projects. New Task Orders are issued when a new project is identified.

DISCUSSION

The purpose of Task Order No. 4 (Attachment 1) is for IEUA to acquire technical information to enable it to assess feasibility and conceptual development of the Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program ("CBEWP"). IEUA is in the process of developing a Feasibility Study for the CBEWP to determine optimized "Pump Back" facilities (advanced water treatment, recharge and/or injection facilities, production wells, and associated transmission systems) from the Chino groundwater basin to the Metropolitan Water District of Southern California (MWD). This task order will provide information to help IEUA identify the most feasible and optimized siting of an advanced water treatment facility, corresponding recharge facilities (surface spreading, injection or a combination) and groundwater extraction wells in the Chino groundwater basin.

The estimated expenses for this Task Order are \$190,568.00 and will be reimbursed in its totality to Watermaster by IEUA.

ATTACHMENTS

1. Task Order No. 4 Under Master Agreement for Collaborative Projects: Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program Evaluation and Conceptual Design Support.
2. Exhibit A: Scope of Work

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

TASK ORDER NO. 4
CHINO BASIN CONJUNCTIVE USE ENVIRONMENTAL WATER STORAGE/EXCHANGE PROGRAM
EVALUATION AND CONCEPTUAL DESIGN SUPPORT

This Task Order is made and entered into as of the ____ day of September, 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 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 manner in which Watermaster’s consultant will perform work allowing IEUA to acquire technical information to enable it to assess feasibility and conceptual development of the Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program (“CBEWP”). IEUA is in the process of developing a Feasibility Study for the CBEWP to determine optimized “Pump Back” facilities (advanced water treatment, recharge and/or injection facilities, production wells, and associated transmission systems) from the Chino groundwater basin to the Metropolitan Water District of Southern California (MWD). The work performed pursuant to this Task Order will provide information to help IEUA identify the most feasible and optimized siting of an advanced water treatment facility, corresponding recharge facilities (surface spreading, injection or a combination) and groundwater extraction wells in the Chino groundwater basin.

The proposed CBEWP operation is as follows:

- The advanced water treatment facility will recharge (“put”) up to 15,000 AFY of treated water into the groundwater basin and store under the Chino Basin Water Bank (CBWB). The maximum storage capacity reserved for the CBEWP is 100,000 AF.
- During a pump back (“take”) provision, the project would pump up to 50,000 AFY from the CBWB. The water would be delivered to the partnering State Water Project Contractor (SWPC), potentially MWD, and pumped into their existing distribution system for use within Southern California. An equivalent amount of

water would then be exchanged with the SWPC. The exchange would leave behind water in Lake Oroville storage. The project can pump up to 50,000 AF of water for up to three consecutive dry years.

2. SCOPE

As related to this Task Order, the CBEWP evaluation and conceptual design support is attached hereto as **Exhibit A**.

The evaluation and conceptual design support **scope** of work will include, but is not limited to the following activities:

- Coordination and meetings with IEUA and its consultants;
- Review of associated information (memoranda, modeling, etc.);
- Application of the 2017 Watermaster Model to evaluate the basin response to CBEWP project alternatives; and
- Other associated effort.

The product of the work described in Exhibit A is a “snapshot” evaluation as of the time the evaluation is conducted, based on the assumptions made at the time of the evaluation. Such work is not a guarantee of any future result or any future finding by Watermaster, WEI, or any other Watermaster staff, agent, or consultant, and IEUA acknowledges that the result of a similar analysis could be different in the future, based on changes occurring between the time of the two analyses, or based on updated assumptions at the time of a later analysis.

3. IEUA RESPONSIBILITIES

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

- Engagement and management of consulting services as needed;
- Coordination and communication with the project team;
- Providing access to associated available information and data; and,
- Payment of consultant invoices.

4. WATERMASTER RESPONSIBILITIES

Watermaster, with the assistance of WEI, agrees that it and its employees and consultants will cooperate with IEUA and the project consultants in the performance of services under this Task Order and, to the extent possible, 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 One hundred ninety-eight thousand five hundred sixty-eight dollars (\$190,568) ("Budget"). The Parties agree that the Budget is carried in its entirety by IEUA, and that Watermaster will bear no costs related to the project.

| Entity | Total |
|--------------|------------------|
| Watermaster | \$0 |
| IEUA | \$190,568 |
| Total | \$190,568 |

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 \$190,568 ("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 \$0.

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 \$190,568.

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 Watermaster's receipt of IEUA's share of costs expended pursuant to the Budget shown above, so that IEUA may close out the activities.

10. REIMBURSEMENT

IEUA's reimbursement of Watermaster's 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. 4 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, PE
General Manager

INLAND EMPIRE UTILITIES AGENCY

By _____
HALLA RAZAK, PE
General Manager

DRAFT



September 6, 2018

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

Subject: Proposal to provide engineering services to develop and provide information to IEUA to help them develop a refined set of project alternatives for the proposed the Chino Basin Conjunctive-Use Environmental Water Storage/Exchange Project (CBEWP).

Dear Mr. Kavounas:

There was a meeting on August 29, 2018, with Watermaster and IEUA staffs to discuss IEUA's request for technical information to assist them in the evaluation of the proposed CBEWP. After some discussion, you directed Edgar Tellez-Forster to work with IEUA staff and Watermaster legal counsel to develop a task order that would contain a technical scope of work and cost to provide that assistance. This letter is the technical scope of work and cost estimate for that task order.

IEUA issued an RFP in March 2018 for hydrogeologic services for the CBEWP project and subsequently awarded the work to a team consisting of Thomas Harder and Company and Michael Baker (hereafter TH). TH proposed three tasks that included:

- Task 1 Data Review and Preliminary Evaluation
- Task 2 Project Alternative Development and Evaluation
- Task 3 (Optional) Siting Study and Preliminary Design

On August 30, 2018, Watermaster staff attended a meeting at IEUA to review the Task 1 work completed by TH. Task 1 has been completed and the work was documented in the TM 1 report and the associated August 30, 2018 PowerPoint presentation. TH is about to start work in Task 2. TH's scope of work for Task 2 includes three subtasks that include:

- Task 2.1 Alternatives analysis (assumes ten project alternatives)
- Task 2.2 Preparation of Technical Memorandum No. 2
- Task 2.3 Progress meetings (assumes two progress meetings and one workshop in Chino)

Task 2.1, as described by TH at August 30, 2018 meeting, involves: the construction of an analytical model(s) of the Chino Basin¹; the detailed formulation of ten alternatives (detailed

¹ The exact text of the proposed modeling work reads as follows: "In order to evaluate potential regulatory compliance for injection wells, impacts on existing plumes, and pumping interference, TH&Co will use an analytical model for the area specific to each alternative." Page 7 of the TH April 2018 proposal.

enough to conduct simulations of them with the analytical model); application of the analytical model to assess basin response; post-processing of the model results to estimate basin responses; and the development an application of a ranking process to score and prioritize the alternatives. TH has estimated this task to cost about \$149,000.

TH proposed that the analytical model be created from scratch using information from the 2011 version of the Chino Basin groundwater model. Based on discussion at the August 30, 2018 meeting, TH was unaware of the updated 2017 Watermaster model, updated planning information, and the Storage and Recovery scenarios analysis completed for the Storage Framework investigation.

The Storage Framework investigation produced an updated planning model (2017 Watermaster mode) that can be used to efficiently evaluate the proposed CBEWP alternatives and provide information that can be used in a Storage and Recovery Agreement application. The Storage Framework investigation developed planning information and related tools that can be used to efficiently develop the CBEWP alternatives consistent with the information used in the development of the SF scenarios; reduce the number of CBEWP alternatives that need to be evaluated; and accelerate the rate of learning and project development.

At our follow up call on August 31, 2018, you suggested that WEI create a table that compares the work proposed by TH that can be done by WEI with the updated Chino Basin model; and, based on that table create a scope and cost proposal that could be included in a Task Order where WEI would conduct the modeling work and provide other as needed support to enable TH to complete their work for IEUA. Table 1: lists the proposed TH Task 2 subtasks; indicates a specific subtask where Watermaster can employ its updated planning data and the 2017 Watermaster model to improve the reliability and usefulness of the Task 2 products; and it provides a set of comments for each TH Task 2 subtasks where the work done in the Storage Framework investigation could be leveraged to improve the efficiency of TH's Task 2 effort.

Proposed Scope of Work

Table 2 contains a work breakdown structure and cost estimate for Watermaster to provide the modeling support to IEUA as indicated in Table 1. The scope of work includes three tasks:

- Task 1 - Project management. This task involves WEI project management activities and includes up to three ad hoc meetings.
- Task 2 - As-requested services. This task involves WEI responding to ad hoc requests for information or assistance.
- Task 3 - Application of the 2017 Watermaster Model and updated planning information to evaluate the basin response to CBEWP project alternatives. This task involves the following:
 - Assisting IEUA and TH in converting a conceptual alternative description into a detailed description that can modeled
 - Development of recharge and pumping schedules for specific facilities to implement the CBEWP alternative

- Developing model input files, getting the model to run and debugging the model to ensure that the alternative has been correctly modeled. Conducting iterative simulations to converge on net recharge and replenishment.
- Post processing final simulation results to develop a final water budget table, assess state of hydraulic control, preparation of groundwater elevation and groundwater elevation change maps
- Reviewing the simulation results with IEUA and TH staffs

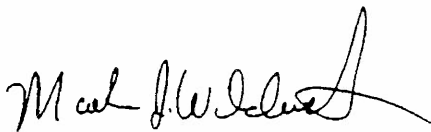
For budgeting purposes, we have assumed that seven alternatives would be simulated with the 2017 Watermaster groundwater flow model. After all the CBEWP alternatives have been simulated with the 2017 Watermaster groundwater flow model, IEUA, Watermaster, TH and WEI will select up to three of the CBEWP alternatives for which WEI will use the MT3D model to estimate impact of CBWEP alternatives on the transport of the major plumes in the Chino Basin. WEI will post process the MT3D model results and prepare map graphics identical that those prepare for the Storage Framework investigation report (plume positions in 2030 and 2050 for the three CBEWP alternatives and the for the Storage Framework scenario 1A (baseline)).

The deliverable for Task 3 will be: model output files; and tables, charts and maps comparable to those produced in Section 6 of the Storage Framework final report and Appendix B from that report.

The cost to complete the work as proposed is about \$170,000. We recommend that you budget an additional \$20,000 for contingencies. If you have any questions regarding this proposal, please call me at 949-600-7500 or send them to me at mwildermuth@weewater.com.

Very truly yours,

Wildermuth Environmental, Inc.



Mark Wildermuth, PE
President

Encl.: Tables 1 and 2

Summary of TH Task 2 Subtasks and Where Watermaster Staff Could Assist IEUA and TH

| TH proposed task | Watermaster WEI proposed task | Comment |
|--|--|---|
| Develop general facility sizing, quantities, and issues impacting construction costs for either a centrally located treatment plant or a satellite plant, depending on the alternative. | | |
| Identification of a sufficient number of injection well sites to meet the injection capacity requirements of the CBEWP taking into account anticipated maintenance and rehabilitation down time. | | The Storage Framework investigation evaluated the location of injection well areas based on an integrated assessment of the recovery of recharged, reductions in net recharge, impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of spreading basin alternatives. TH could use this work to fine tune its work and reduce the number of alternatives. |
| Identification of existing and/or new recharge basins for PUT operations. Issues to be evaluated will include environmental restrictions, capacity limits with respect to storm flow obligations, recharge infiltration rates, and location with respect to existing downgradient production wells. | | The Storage Framework investigation evaluated the use of existing recharge basins based on recent estimates of surplus recharge capacity (consistent with the 2018 RMPU), it considered conflicts with other spreading basins uses, and it conducted an integrated assessment of the recovery of recharged, reductions in net recharge impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of spreading basin alternatives. |
| Evaluation of the relative cost of using injection wells versus surface spreading basins. | | There are other issues that need to be considered regarding the trade offs of using recharge basins and injection wells. These were evaluated in the Storage Framework investigation (see above) and could be used by TH to fine tune their alternatives and reduce the number of alternatives investigated. |
| Identification of a sufficient number of production well sites to meet the TAKE capacity requirements of the CBEWP. | | The Storage Framework investigation evaluated the location of recovery well areas based on an integrated assessment of the recovery of recharged, reductions in net recharge, impact on the state of hydraulic control and impact to plume migration. TH could use this work to fine tune its work and reduce the number of alternatives. |
| Evaluation of the feasibility of reducing baseline imported water deliveries and increasing groundwater pumping from existing and/or new production wells (Alternative No. 7). | | The Storage Framework investigation evaluated the existing under used capacity of Appropriator party wells that could be used to offset the use of imported water as a means to recover stored supplemental water. TH could use this work to fine tune its work and reduce the number of alternatives. |
| In order to evaluate potential regulatory compliance for injection wells, impacts on existing plumes, and pumping interference, TH&Co will use an analytical model for the area specific to each alternative. The analytical model will provide the requisite level of analysis for the feasibility study and can be conducted within the 20-week schedule described in the RFP. | The existing Watermaster model (hereafter the 2017 Watermaster model) has been recently been updated with the latest groundwater production and recharge projections and used in the Storage Framework investigation. WEI could use the 2017 Watermaster model to evaluate the alternatives developed by TH in lieu of TH developing and applying analytical models for each alternative. The resulting analysis will more accurately predict the basin response, ensure its consistency with the Storage Framework planning scenarios and maximize confidence in the Task 2 | TH proposal provides no description of scope of work to develop his analytical model nor do they describe the scope of work to evaluate basin response and impacts. The TH scope of work is described in bullet form in their August 30, 2018 PowerPoint presentation. The scope as presented is based on outdated Watermaster model assumptions and ignores: the updated 2017 Watermaster model, updated planning information and Storage and Recovery scenarios analysis completed for the Storage Framework investigation. |

**Table 2
Work Breakdown Structure and Fee Estimate
Provide Modeling Support and As-Needed Services for the CBEWP**

| Description | Notes | Labor (person days) | | | | | | | | Other Direct Charges | | | | Total Project Costs | | | |
|---|-------|---------------------|--------------|---------------|-------------|--------------|-------------|-------------|---------------------|----------------------|-----------------|------------|--------------|---------------------|------------------|------------------|---------|
| | | Principal III | Principal I | Supervising I | Senior II | Senior I | Staff I | Tech Editor | Task Rep Multiplier | Total Labor | | Travel | Reproduction | Total ODCs | | Task | Project |
| | | | | | | | | | | Person Days | Cost | | | Task | Project | | |
| | | | | | | | | | | | | | | | | | |
| Task 1 Project management and meetings | | | | | | | | | | \$10,116 | | | | \$600 | | \$10,716 | |
| 1.1 Project management and scheduling | | | | | 0.50 | | | 3.00 | 1.50 | \$2,124 | | | | | | \$2,124 | |
| 1.2 Ad hoc meetings with Watermaster staff | | 0.25 | 0.25 | | 0.25 | | | 6.00 | 4.50 | \$7,992 | \$600 | | \$600 | | \$8,592 | | |
| Task 2 Provide as-needed assistance to TH, IEUA and Watermaster staffs | | 5 | | | 5 | | | 1 | | \$17,200 | \$17,200 | | | \$0 | \$17,200 | \$17,200 | |
| Task 3 Application of the 2017 Watermaster Model to evaluate the basin response to CBEWP pro | | | | | | | | | | \$142,552 | | | | \$100 | | \$142,652 | |
| 3.1 Define and evaluate a CBEWP project alternative | | | | | | | | | | | | | | | | | |
| 3.1.1 Review CBEWP project alternative with TH, IEUA and Watermaster staffs | | 0.50 | | | 0.50 | | | 7.00 | 7.00 | \$12,040 | \$100 | | \$100 | | \$12,140 | | |
| 3.1.2 Update list of wells and pumping and injection schedule | | | 0.50 | | 0.25 | | | 7.00 | 5.25 | \$9,086 | | | | | \$9,086 | | |
| 3.1.3 Update recharge at spreading basins | | | 0.50 | | 0.25 | | | 7.00 | 5.25 | \$9,086 | | | | | \$9,086 | | |
| 3.1.4 Prepare input files | | | 1.50 | | | | | 7.00 | 10.50 | \$19,824 | | | | | \$19,824 | | |
| 3.1.5 Get the model to run | | | 0.50 | | | | | 7.00 | 3.50 | \$6,608 | | | | | \$6,608 | | |
| 3.1.6 Construct water budget table(s) and estimate net recharge | | 0.25 | 1.00 | | 0.25 | | | 7.00 | 10.50 | \$19,236 | | | | | \$19,236 | | |
| 3.1.7 Evaluate state of hydraulic control | | 0.13 | 0.50 | | | | | 7.00 | 4.38 | \$8,379 | | | | | \$8,379 | | |
| 3.1.8 Prepare head raster files, GWE and GWE change maps, GWE time history charts | | 0.13 | 0.50 | | 0.13 | | | 7.00 | 5.25 | \$9,618 | | | | | \$9,618 | | |
| 3.1.9 Review results with TH, IEUA and Watermaster staffs | | 1.00 | 1.00 | | 1.00 | | | 7.00 | 21.00 | \$37,296 | | | | | \$37,296 | | |
| 3.2 Evaluate CBEWP project alternative impacts on major plumes | | | | | | | | | | | | | | | | | |
| Prepare MT3D input files | | | 0.50 | | | | | 3.00 | 1.50 | \$2,832 | | | | | \$2,832 | | |
| Get the model to run | | | 0.50 | | | | | 3.00 | 1.50 | \$2,832 | | | | | \$2,832 | | |
| Prepare concentration raster files | | 0.13 | 0.50 | | 0.50 | | | 3.00 | 3.38 | \$5,715 | | | | | \$5,715 | | |
| Total Tasks 1 through 3 | | 20.88 | 48.00 | 0.00 | 0.00 | 26.13 | 0.00 | 0.00 | 85.00 | \$169,868 | \$700 | \$0 | \$700 | | \$170,568 | | |

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS (Non-Ag Only)

E. CHANGES TO THE OVERLYING (NON-AGRICULTURAL) POOL POOLING PLAN

9. Physical Solution Transfers. All overlying rights are appurtenant to the land and cannot be assigned or conveyed separate or apart therefrom except that for the term of the Peace Agreement the members of the Overlying (Non-Agricultural) Pool shall have the discretionary right to Transfer or lease their quantified Production rights and carry-over water held in storage accounts in quantities that each member may from time to time individually determine as Transfers in furtherance of the Physical Solution: (i) within the Overlying (Non-Agricultural) Pool; (ii) to Watermaster in conformance with the procedures described in the Peace Agreement between the Parties therein, dated June 29, 2000; (iii) in conformance with the procedures described in Paragraph I of the Purchase and Sale Agreement for the Purchase of Water by Watermaster from Overlying (Non-Agricultural Pool dated June 30, 2007; or (iv) to Watermaster and thence to members of the Appropriative Pool in accordance with the following guidelines and those procedures Watermaster may further provide in Watermaster's Rules and Regulations:

(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 the Appropriative Pool parties.~~ The Pool Committee of the Overlying (Non-Agricultural) Pool may, by affirmative action of its members from time to time, establish a price for such water or a method pursuant to which such price will be established. 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. 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. 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 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.

(e) Any surplus water cumulatively made available by all members of the Overlying (Non-Agricultural) Pool that is not purchased by Watermaster after completion of the process set forth herein will be pro-rated among the members of the Pool in proportion to the total quantity offered for transfer in accordance with this provision and may be retained by the Overlying (Non-Agricultural) Pool member without prejudice to the rights of the members of the Pool to make further beneficial use or transfer of the available surplus.

(f) Each Appropriator shall only be eligible to purchase their pro-rata share under this procedure if the party is: (i) current on all their assessments; and (ii) in compliance with the OBMP.

(g) The right of any member of the Overlying (Non-Agricultural) Pool to transfer water in accordance with this Paragraph 9(a)-(c) in any year is dependent upon Watermaster making a finding that the member of the Overlying (Non-Agricultural) Pool is using recycled water where it is both physically available and appropriate for the designated end use in lieu of pumping groundwater.

(h) Nothing herein shall be construed to affect or limit the rights of any Party to offer or accept an assignment as authorized by the Judgment Exhibit "G" paragraph 6 above, or to affect the rights of any Party under a valid assignment.

10. Elective Transfers for Desalter Replenishment. Any member of the Non-Agricultural Pool may elect to transfer any quantity of water held in storage by such member (including without limitation carryover and excess carryover) to any member of the Appropriative Pool at any price that such transferor and transferee may deem appropriate for the purposes provided below. Without limiting the generality of the foregoing, any member of the Non-Agricultural Pool who is also a member of the Appropriative Pool may, in its capacity as a member of the Non-Agricultural Pool, transfer any quantity of such water held in storage by itself, in such capacity, to itself, in its capacity as a member of the Appropriative Pool for the purposes provided below. Any such transfer shall be effective upon delivery by the transferor or transferee to Watermaster staff of written notice of such transfer in the form attached hereto as Form 12. Any storage water transferred to any member of the Appropriative Pool pursuant to this Paragraph (1) may be used by such member only the for the purposes of satisfying the member's obligations with respect to desalter replenishment; (2) will be accounted for by Watermaster staff in the same manner as any other storage water held by any member of the Appropriative Pool.

11. ~~10.~~ Rules. The Pool Committee shall adopt rules for administering its program and in amplification of the provisions, but not inconsistent with, this pooling plan.

FORM 12

NOTICE OF ELECTIVE TRANSFER FOR DESALTER REPLENISHMENT

QUANTITY: _____ Acre-Feet

Transferor and Transferee hereby provide written notice to Watermaster staff of a transfer by the Transferor, in its capacity as a member of the Non-Agricultural Pool, to Transferee, in its capacity as a member of the Appropriative Pool, of water held in storage in the quantity set forth above pursuant to Section 10 of Exhibit G to the Judgment.

| | |
|--|---|
| <u>TRANSFEROR NAME:</u> _____ <u>By:</u> _____ <u>Name:</u> _____ <u>Its:</u> _____ <u>Dated:</u> _____ | <u>TRANSFEEE NAME:</u> _____ <u>By:</u> _____ <u>Name:</u> _____ <u>Its:</u> _____ <u>Dated:</u> _____ |
|--|---|

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Cash Disbursements for August 2018

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|------------------------------------|--|-------------------------------------|-------------|
| Bill Pmt -Check | 08/01/2018 | 20924 | ACCENT COMPUTER SOLUTIONS, INC. | 122798 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 122798 | | Monthly Service- August 2018 | 6052.4 · IT Managed Services | 4,226.00 |
| | | | | Overwatch - August 2018 | 6052.5 · IT Data Backup/Storage | 699.00 |
| | | | | OmniCloud- August 2018 | 6052.5 · IT Data Backup/Storage | 96.00 |
| | | | | Office 365 subscriptions- August 2018 | 6054 · Computer Software | 49.80 |
| TOTAL | | | | | | 5,070.80 |
| Bill Pmt -Check | 08/01/2018 | 20925 | CENTURYLINK | 71851276 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/24/2018 | 71851278 | | 7/17/18-8/16/18 | 6053 · Internet Expense | 1,050.47 |
| TOTAL | | | | | | 1,050.47 |
| Bill Pmt -Check | 08/01/2018 | 20926 | COMPUTER NETWORK | 103861 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/24/2018 | 103861 | | Hard drive repair for 2 laptops | 6055 · Computer Hardware | 528.00 |
| TOTAL | | | | | | 528.00 |
| Bill Pmt -Check | 08/01/2018 | 20927 | EUROFINS EATON ANALYTICAL | L0401772 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | L0401772 | | L0401772 | 7108.4 · Hydraulic Control-Lab Svcs | 1,240.00 |
| TOTAL | | | | | | 1,240.00 |
| Bill Pmt -Check | 08/01/2018 | 20928 | LOEB & LOEB LLP | 1778682 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 1778682 | | Non-Ag Pool Legal Services - June 2018 | 8567 · Non-Ag Legal Service | 8,413.20 |
| TOTAL | | | | | | 8,413.20 |
| Bill Pmt -Check | 08/01/2018 | 20929 | STANDARD INSURANCE CO. | Policy # 00-649299-0009 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/24/2018 | 006492990009 | | Policy # 00-649299-0009 | 60191 · Life & Disab.Ins Benefits | 776.96 |
| TOTAL | | | | | | 776.96 |
| Bill Pmt -Check | 08/01/2018 | 20930 | STATE COMPENSATION INSURANCE FUND | 1970970-18 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 1970970-17 | | Final premium statement for 2017 | 60183 · Worker's Comp Insurance | 550.99 |
| TOTAL | | | | | | 550.99 |
| Bill Pmt -Check | 08/01/2018 | 20931 | THE HOWARD E. NYHART COMPANY, INC. | 0141317 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/30/2018 | 0141317 | | FYE 6/30/2018 GASB 75 Report | 6062.5 · Audit Support Services | 4,250.00 |
| TOTAL | | | | | | 4,250.00 |
| Bill Pmt -Check | 08/01/2018 | 20932 | ULLOA, EUNICE | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 06/14/2018 | 6/14 Appro Pool Mtg | | 6/14/18 Appropriative Pool meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/21/2018 | 6/21 Advisory Comm | | 6/21/18 Advisory Committee meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board meeting | 6311 · Board Member Compensation | 125.00 |

TOTAL
\$129

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

| | <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|-------|-----------------|-------------|----------------|-------------------------------------|---|---|--------------------|
| TOTAL | | | | | | | 375.00 |
| | Bill Pmt -Check | 08/01/2018 | 20933 | UNITED HEALTHCARE | 052515168889 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/24/2018 | 052515168889 | | Dental Insurance Premium - August 2018 | 60182.2 · Dental & Vision Ins | 688.74 |
| TOTAL | | | | | | | 688.74 |
| | Bill Pmt -Check | 08/01/2018 | 20934 | VERIZON WIRELESS | 9810841828 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/24/2018 | 9810841828 | | Acct #642073270-00001 | 7103.7 · Grdwtr Qual-Computer Svc | 100.04 |
| TOTAL | | | | | | | 100.04 |
| | Bill Pmt -Check | 08/01/2018 | 20935 | WESTERN MUNICIPAL WATER DISTRICT | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/28/2018 | 6/28 Board Mtg | | 6/28/18 Board Meeting - Galleano attendance | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | | 125.00 |
| | Bill Pmt -Check | 08/02/2018 | 20936 | WILDERMUTH ENVIRONMENTAL INC | | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 06/30/2018 | 2018177 | | 2018177 | 6906.31 · OBMP-Pool, Adv. Board Mtgs | 11,843.96 |
| | Bill | 06/30/2018 | 2018178 | | 2018178 | 6906.32 · OBMP-Other General Meetings | 2,247.65 |
| | Bill | 06/30/2018 | 2018179 | | 2018179 | 6906.74 · OBMP-Mat'l Phy. Injury Requests | 2,086.60 |
| | Bill | 06/30/2018 | 2018180 | | 2018180 | 6906.71 · OBMP-Data Req.-CBWM Staff | 2,949.60 |
| | Bill | 06/30/2018 | 2018181 | | 2018181 | 6906 · OBMP Engineering Services | 1,986.10 |
| | Bill | 06/30/2018 | 2018182 | | 2018182 | 6906.81 · Prepare Annual Reports | 120.50 |
| | Bill | 06/30/2018 | 2018183 | | 2018183 | 7103.3 · Grdwtr Qual-Engineering | 12,953.00 |
| | Bill | 06/30/2018 | 2018184 | | 2018184 | 7104.3 · Grdwtr Level-Engineering | 27,629.33 |
| | Bill | 06/30/2018 | 2018185 | | 2018185 | 7107.2 · Grd Level-Engineering | 12,427.50 |
| | Bill | 06/30/2018 | 2018186 | | 2018186 | 7107.2 · Grd Level-Engineering | 1,558.84 |
| | Bill | 06/30/2018 | 2018187 | | 2018187 | 7108.31 · Hydraulic Control - PBHSP | 984.80 |
| | Bill | 06/30/2018 | 2018188 | | 2018188 | 7202.2 · Engineering Svc | 587.06 |
| | Bill | 06/30/2018 | 2018189 | | 2018189 | 7402 · PE4-Engineering | 12,579.25 |
| | Bill | 06/30/2018 | 2018190 | | 2018190 | 7402.10 · PE4 - Northwest MZ1 Area Proj. | 4,839.65 |
| | Bill | 06/30/2018 | 2018191 | | 2018191 | 7510 · PE6&7-IEUA Salinity Mgmt. Plan | 26,240.90 |
| | Bill | 06/30/2018 | 2018192 | | 2018192 | 7602 · PE8&9-Engineering | 22,748.40 |
| | Bill | 06/30/2018 | 2018193 | | 2018193 | 6906.27 · HCP Mtgs/Tech. Review-IEUA Cost | 2,579.50 |
| TOTAL | | | | | | | 146,362.64 |
| | Bill Pmt -Check | 08/03/2018 | ACH 080318 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| | General Journal | 07/28/2018 | 07/28/2018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 07/15/18-07/28/18 | 2000 · Accounts Payable | 6,886.20 |
| TOTAL | | | | | | | 6,886.20 |
| | Bill Pmt -Check | 08/07/2018 | ACH 080718 | CALPERS | 1394905143 | 1012 · Bank of America Gen'l Ckg | |
| | Bill | 07/16/2018 | 1394905143 | | 1394905143 | 60182.1 · Medical Insurance | 7,827.63 |

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

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|---------------------------------|--|-----------------------------------|-------------|
| TOTAL | | | | | | 7,827.63 |
| Bill Pmt -Check | 08/07/2018 | 20937 | ACCENT COMPUTER SOLUTIONS, INC. | 122920 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 122920 | | Workstation-Gregory-Balance Due | 6055 · Computer Hardware | 899.20 |
| TOTAL | | | | | | 899.20 |
| Bill Pmt -Check | 08/07/2018 | 20938 | CHEF DAVE'S CAFE & CATERING | 8361 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/26/2018 | 8361 | | Lunch for 7/26/18 Watermaster Board meeting | 6312 · Meeting Expenses | 681.50 |
| TOTAL | | | | | | 681.50 |
| Bill Pmt -Check | 08/07/2018 | 20939 | CHINO CHAMPION NEWSPAPER | 8043 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/16/2018 | 8043 | | Subscription-Chino Champion newspaper-1 year | 6112 · Subscriptions/Publications | 35.00 |
| TOTAL | | | | | | 35.00 |
| Bill Pmt -Check | 08/07/2018 | 20940 | ELIE, STEVEN | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 125.00 |
| P131 | | | | | | |
| Bill Pmt -Check | 08/07/2018 | 20941 | FILIPPI, GINO | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/26/2018 | 7/26 Board Mtg | | 7/26/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 08/07/2018 | 20942 | KUHN, BOB | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/05/2018 | 7/05 Exec Committee | | 7/05/18 Pool Chair & Executive Committee Mtg. | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/12/2018 | 7/12 Admin Mtg | | 7/12/18 Administrative & Check Signing Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/19/2018 | 7/19 Executive Comm | | 7/19/18 Pool Chair & Executive Committee Mtg. | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/24/2018 | 7/24 Admin Mtg | | 7/24/18 Administrative & GM Meeting | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/26/2018 | 7/26 Board Mtg | | 7/26/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 750.00 |
| Bill Pmt -Check | 08/07/2018 | 20943 | PARKER, KATHERINE | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/26/2018 | 7/26 Board Mtg | | 7/26/18 Board Meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 08/07/2018 | 20944 | PAYCHEX | 2018072600 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 2018072600 | | July 2018 | 6012 · Payroll Services | 440.47 |
| TOTAL | | | | | | 440.47 |

CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|--------------------|---|--|--------------------------------------|-------------|
| Bill Pmt -Check | 08/07/2018 | 20945 | PIETERSMA, RONALD | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/19/2018 | 7/19 Ag Pool Mtg | | 7/19/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 7/19/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | 125.00 |
| Bill Pmt -Check | 08/07/2018 | 20946 | READY REFRESH BY NESTLE | 0023230253 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 0023230253 | | Office Water Bottle - July 2018 | 6031.7 · Other Office Supplies | 79.26 |
| TOTAL | | | | | | 79.26 |
| Bill Pmt -Check | 08/07/2018 | 20947 | RR FRANCHISING, INC. | 59463 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 59463 | | Janitorial Service - August 2018 | 6024 · Building Repair & Maintenance | 740.00 |
| TOTAL | | | | | | 740.00 |
| Bill Pmt -Check | 08/07/2018 | 20948 | STATE COMPENSATION INSURANCE FUND | 1970970-18 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 1970970-18 | | Monthly premium 7/26/18-8/26/18 | 60183 · Worker's Comp Insurance | 552.42 |
| TOTAL | | | | | | 552.42 |
| Bill Pmt -Check | 08/07/2018 | 20949 | VISION SERVICE PLAN | 00-101789-0001 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 001017890001 | | Vision Insurance Premium - August 2018 | 60182.2 · Dental & Vision Ins | 63.18 |
| TOTAL | | | | | | 63.18 |
| Bill Pmt -Check | 08/07/2018 | 20950 | WESTERN MUNICIPAL WATER DISTRICT | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board Mtg. - Galleano attendance | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/26/2018 | 7/26 Board Mtg | | 7/26/18 Board Meeting - Galleano attendance | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 250.00 |
| Bill Pmt -Check | 08/07/2018 | 20951 | YUKON DISPOSAL SERVICE | 08-K2 213849 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 08-k2 213849 | | Disposal Service - August 2018 | 6024 · Building Repair & Maintenance | 117.14 |
| TOTAL | | | | | | 117.14 |
| General Journal | 08/11/2018 | 08/11/2018 | Payroll and Taxes for 07/29/18-08/11/18 | Payroll and Taxes for 07/29/18-08/11/18 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 07/29/18-08/11/18 | 1012 · Bank of America Gen'l Ckg | 26,605.90 |
| | | | | Payroll Taxes for 07/29/18-08/11/18 | 1012 · Bank of America Gen'l Ckg | 8,968.54 |
| | | | ICMA-RC | 457(b) Employee Deductions for 07/29/18-08/11/18 | 1012 · Bank of America Gen'l Ckg | 4,541.43 |
| | | | ICMA-RC | 401(a) Employee Deductions for 07/29/18-08/11/18 | 1012 · Bank of America Gen'l Ckg | 1,311.76 |
| TOTAL | | | | | | 41,427.63 |
| Bill Pmt -Check | 08/14/2018 | 20952 | ACCENT COMPUTER SOLUTIONS, INC. | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 122947 | | RAM for AN desktop | 6055 · Computer Hardware | 204.77 |
| Bill | 07/31/2018 | 123011 | | Progress invoice Cloud Storage-FTP Replacement | 6052.6 · IT Services/Projects | 1,200.00 |

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Cash Disbursements For The Month of
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| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|--------------------------------------|--|--|-------------|
| TOTAL | | | | | | 1,404.77 |
| Bill Pmt -Check | 08/14/2018 | 20953 | ACWA JOINT POWERS INSURANCE AUTHORIT | 0567715 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/08/2018 | 0567715 | | Prepayment - September 2018 | 1409 · Prepaid Life, BAD&D & LTD | 207.62 |
| | | | | August 2018 | 60191 · Life & Disab.Ins Benefits | 224.74 |
| TOTAL | | | | | | 432.36 |
| Bill Pmt -Check | 08/14/2018 | 20954 | APPLIED COMPUTER TECHNOLOGIES | 2994 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 2994 | | Database Consulting Services - July 2018 | 6052.2 · Applied Computer Technol | 3,900.00 |
| TOTAL | | | | | | 3,900.00 |
| Bill Pmt -Check | 08/14/2018 | 20955 | BANK OF AMERICA | XXXX-XXXX-XXXX-9341 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | XXXX-XXXX-XXXX-9341 | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 298.43 |
| | | | | 50% deposit-Gregory workstation | 6055 · Computer Hardware | 899.20 |
| | | | | Printer for front office | 6055 · Computer Hardware | 289.85 |
| | | | | Farewell lunch for R. Zapien | 6141.3 · Admin Meetings | 96.04 |
| | | | | Printer for Sr. Accountant office | 6055 · Computer Hardware | 462.25 |
| | | | | Employee recruitment CVI's | 6016 · New Employee Search Costs | 520.00 |
| | | | | Employee recruitment CVI's | 6016 · New Employee Search Costs | 200.00 |
| | | | | Printer for CFO office | 6055 · Computer Hardware | 317.85 |
| | | | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 252.62 |
| | | | | PK meeting w/T. Layton, V. Jew | 8312 · Meeting Expenses | 50.69 |
| | | | | Court prep hearing preparation mtg #1 | 6909.1 · OBMP Meetings | 50.00 |
| | | | | Court prep hearing preparation mtg #1 | 6909.1 · OBMP Meetings | 15.00 |
| | | | | Board officers mtg/Pool chair | 6312 · Meeting Expenses | 115.00 |
| | | | | Court prep hearing preparation mtg #2 | 6909.1 · OBMP Meetings | 60.00 |
| | | | | Staff lunch pre RIPCom mtg at IEUA | 6909.1 · OBMP Meetings | 60.00 |
| | | | | Reg.-PK-attend 1st Annual W. Grdwtr Congress | 6193.2 · Conference - Registration Fee | 610.00 |
| | | | | Early bird checkin-PK flight-GRAC | 6173 · Airfare/Mileage | 15.00 |
| | | | | Early bird checkin-PK flight-GRAC | 6173 · Airfare/Mileage | 15.00 |
| | | | | Flight-PK-attend GRAC 1st Annual Grdwtr Congress | 6173 · Airfare/Mileage | 99.89 |
| | | | | Lunch-CGC Meeting held at Watermaste | 6141.3 · Admin Meetings | 86.00 |
| | | | | Lunch-CGC Meeting held at Watermaster | 6141.3 · Admin Meetings | 26.40 |
| | | | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 14.20 |
| | | | | Reg.-PK-attend 2018 Fall Conf. and Workshop | 6193.2 · Conference - Registration Fee | 555.00 |
| | | | | Reg.-ETF-attend 2018 Fall Conf. and Workshop | 6193.2 · Conference - Registration Fee | 555.00 |
| | | | | PK mtg w/T. Layton, V. Jew | 8312 · Meeting Expenses | 49.88 |
| | | | | PK, JJ, AN meeting | 6141.3 · Admin Meetings | 58.40 |
| TOTAL | | | | | | 5,771.70 |

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CHINO BASIN WATERMASTER
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For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------|------------|---------------------|---------------------------------|---|--------------------------------------|------------------|
| Bill Pmt -Check | 08/14/2018 | 20956 | COMPUTER NETWORK | 103900 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/08/2018 | 103900 | | Hard drive repair for laptop | 6055 · Computer Hardware | 367.44 |
| TOTAL | | | | | | <u>367.44</u> |
| Bill Pmt -Check | 08/14/2018 | 20957 | CORELOGIC INFORMATION SOLUTIONS | 81909434 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 81909434 | | 81909434 | 7103.7 · Grdwtr Qual-Computer Svc | 62.50 |
| | | | | 81909434 | 7101.4 · Prod Monitor-Computer | 62.50 |
| TOTAL | | | | | | <u>125.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20958 | DE HAAN, HENRY | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/12/2018 | 7/12 Ag Pool Mtg | | 7/12/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 7/12/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| TOTAL | | | | | | <u>125.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20959 | DI PRIMIO, ROBERT | Board Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/05/2018 | 7/05 Exec Committee | | 7/05/18 Executive Committee mtg w/Approp Pool | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/19/2018 | 7/19 Exec Committee | | 7/19/18 Executive Committee mtg w/Non-Ag Pool | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board Mtg | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/24/2018 | 7/24 Board Agenda | | 7/24/18 Board Agenda Preview | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/26/2018 | 7/26 Board mtg | | 7/26/18 Board meeting | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | <u>625.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20960 | EGOSCUE LAW GROUP, INC. | 12020 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 12020 | | Ag Pool Legal Services - July 2018 | 8467 · Ag Legal & Technical Services | 35,400.00 |
| TOTAL | | | | | | <u>35,400.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20961 | FEDAK & BROWN LLP | Progress Billing | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | | | Progress Billing - July 2018 | 6062 · Audit Services | 1,500.00 |
| TOTAL | | | | | | <u>1,500.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20962 | FEENSTRA, BOB | Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/12/2018 | 7/12 Ag Pool Mtg | | 7/12/18 Ag Pool mtg | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 07/19/2018 | 7/19 Advisory Comm | | 7/19/18 Advisory Committee meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 07/23/2018 | 7/23 Special Board | | 7/23/18 Special Board meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 07/25/2018 | 7/25 RIPCom Mtg | | 7/25/18 RIPCom meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| Bill | 07/26/2018 | 7/26 Board Mtg | | 7/26/18 Board meeting | 8470 · Ag Meeting Attend -Special | 125.00 |
| TOTAL | | | | | | <u>625.00</u> |
| Bill Pmt -Check | 08/14/2018 | 20963 | FIRST LEGAL NETWORK LLC | 40019787 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 40019787 | | Court filings 7/11, 7/13, 7/17, 7/23 and 7/26 | 6061.5 · Court Filing Services | 479.30 |

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| <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|-----------------|-------------|------------------|-------------------------------------|--|---|--------------------|
| TOTAL | | | | | | 479.30 |
| Bill Pmt -Check | 08/14/2018 | 20964 | PREMIERE GLOBAL SERVICES | 26223659 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 26223659 | | Non-Ag Pool mtg call on 7/19/18 | 8512 · Meeting Expense | 40.41 |
| | | | | Fee - General | 6022 · Telephone | 49.00 |
| | | | | Fee - Confidential | 6022 · Telephone | 49.00 |
| | | | | TM4 call on 6/27 | 6909.1 · OBMP Meetings | 6.18 |
| | | | | Advisory Committee request for assistance | 6212 · Meeting Expense | 6.17 |
| | | | | Advisory Committee request for assistance | 6212 · Meeting Expense | 6.19 |
| | | | | WM coordination call on 7/17 | 6909.1 · OBMP Meetings | 12.48 |
| | | | | Special Board meeting call on 7/23 | 6312 · Meeting Expenses | 15.68 |
| | | | | Special Board meeting call on 7/23 | 6312 · Meeting Expenses | 6.19 |
| | | | | Board meeting agenda preview call on 7/24 | 6312 · Meeting Expenses | 14.47 |
| | | | | Team discussion call re WM topics on 7/24 | 6909.1 · OBMP Meetings | 33.87 |
| | | | | GRA presentation review call on 7/25 | 6909.1 · OBMP Meetings | 6.20 |
| | | | | Service fee | 6022 · Telephone | 9.35 |
| TOTAL | | | | | | 255.19 |
| P135 TOTAL | | | | | | 320.00 |
| Bill Pmt -Check | 08/14/2018 | 20965 | SPECIALIZED SERVICES OF SO CAL | 2042 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 2042 | | CPR, AED, and Basic First Aid Training for staff | 6192 · Seminars - General | 320.00 |
| TOTAL | | | | | | 320.00 |
| Bill Pmt -Check | 08/14/2018 | 20966 | UNION 76 | 7076-2245-3035-5049 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 7076224530355049 | | Vehicle Fuel - July 2018 | 6175 · Vehicle Fuel | 171.84 |
| TOTAL | | | | | | 171.84 |
| Bill Pmt -Check | 08/16/2018 | ACH 081618 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| General Journal | 08/11/2018 | 08/11/2018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 07/29/18-08/11/18 | 2000 · Accounts Payable | 6,886.20 |
| TOTAL | | | | | | 6,886.20 |
| Bill Pmt -Check | 08/20/2018 | 20967 | WILDERMUTH ENVIRONMENTAL INC | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 2018207 | | 2018207 | 6906.31 · OBMP-Pool, Adv. Board Mtgs | 6,853.55 |
| Bill | 07/31/2018 | 2018208 | | 2018208 | 6906.32 · OBMP-Other General Meetings | 1,737.25 |
| Bill | 07/31/2018 | 2018209 | | 2018209 | 6906.74 · OBMP-Mat'l Phy. Injury Requests | 513.30 |
| Bill | 07/31/2018 | 2018210 | | 2018210 | 6906.71 · OBMP-Data Req.-CBWM Staff | 16,480.98 |
| Bill | 07/31/2018 | 2018211 | | 2018211 | 6906.72 · OBMP-Data Req.-Non CBWM Staff | 1,381.70 |
| Bill | 07/31/2018 | 2018212 | | 2018212 | 6906.22 · Water Rights Compliance Rprting | 7,572.65 |
| Bill | 07/31/2018 | 2018213 | | 2018213 | 6906 · OBMP Engineering Services | 774.80 |
| Bill | 07/31/2018 | 2018214 | | 2018214 | 6906.9 · OBMP-2018 RMPU Master Update | 26,983.90 |
| Bill | 07/31/2018 | 2018215 | | 2018215 | 6906.15 · Integrated Model Mtgs-IEUA Cost | 2,360.00 |

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| Type | Date | Num | Name | Memo | Account | Paid Amount |
|------------------------|-------------------|--------------|--|--------------------------------|--|-------------------|
| Bill | 07/31/2018 | 2018216 | | 2018216 | 6906.81 · Prepare Annual Reports | 707.60 |
| Bill | 07/31/2018 | 2018217 | | 2018217 | 7103.3 · Grdwtr Qual-Engineering | 19,276.72 |
| Bill | 07/31/2018 | 2018218 | | 2018218 | 7104.3 · Grdwtr Level-Engineering | 8,398.87 |
| Bill | 07/31/2018 | 2018219 | | 2018219 | 7107.2 · Grd Level-Engineering | 4,386.18 |
| | | | | WSP USA Inc. | 7107.6 · Grd Level-Contract Svcs | 9,370.71 |
| Bill | 07/31/2018 | 2018220 | | 2018220 | 7107.2 · Grd Level-Engineering | 102.00 |
| | | | | Neva Ridge Technologies, Inc. | 7107.3 · Grd Level-SAR Imagery | 12,000.00 |
| Bill | 07/31/2018 | 2018221 | | 2018221 | 7402 · PE4-Engineering | 24,826.40 |
| Bill | 07/31/2018 | 2018222 | | 2018222 | 7402.10 · PE4 - Northwest MZ1 Area Proj. | 1,619.64 |
| Bill | 07/31/2018 | 2018223 | | 2018223 | 7202.2 · Engineering Svc | 2,010.90 |
| Bill | 07/31/2018 | 2018224 | | 2018224 | 7502 · PE6&7-Engineering | 856.00 |
| Bill | 07/31/2018 | 2018225 | | 2018225 | 7602 · PE8&9-Engineering | 49,880.50 |
| TOTAL | | | | | | 198,093.65 |
| Bill Pmt -Check | 08/20/2018 | 20968 | BROWNSTEIN HYATT FARBER SCHRECK | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 730709 | | 730709 | 6078 · BHFS Legal - Miscellaneous | 20,422.80 |
| | | | | Out of Office Copying/Printing | 6078 · BHFS Legal - Miscellaneous | 15.50 |
| | | | | Mileage/Parking Expense | 6275 · BHFS Legal - Advisory Committee | 36.67 |
| | | | | 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 | 07/31/2018 | 730710 | | 730710 | 6073 · BHFS Legal - Personnel Matters | 445.50 |
| | | | | GM Contract Amendment | 6073 · BHFS Legal - Personnel Matters | 3,287.25 |
| Bill | 07/31/2018 | 730711 | | 730711 | 6907.34 · Santa Ana River Water Rights | 278.10 |
| Bill | 07/31/2018 | 730712 | | 730712 | 6907.36 · Santa Ana River Habitat | 141.75 |
| Bill | 07/31/2018 | 730713 | | 730713 | 6275 · BHFS Legal - Advisory Committee | 2,397.93 |
| Bill | 07/31/2018 | 730714 | | 730714 | 6375 · BHFS Legal - Board Meeting | 9,225.45 |
| | | | | Mileage/Parking Expense | 6375 · BHFS Legal - Board Meeting | 36.67 |
| | | | | Delivery/Ground Transportation | 6375 · BHFS Legal - Board Meeting | 250.00 |
| Bill | 07/31/2018 | 730715 | | 730715 | 8375 · BHFS Legal - Appropriative Pool | 1,826.55 |
| Bill | 07/31/2018 | 730717 | | 730717 | 8475 · BHFS Legal - Agricultural Pool | 1,826.55 |
| Bill | 07/31/2018 | 730719 | | 730719 | 8575 · BHFS Legal - Non-Ag Pool | 1,826.55 |
| Bill | 07/31/2018 | 730722 | | 730722 | 6071 · BHFS Legal - Court Coordination | 32,030.55 |
| | | | | Mileage/Parking Expense | 6071 · BHFS Legal - Court Coordination | 36.78 |
| | | | | Mileage/Parking Expense | 6071 · BHFS Legal - Court Coordination | 36.78 |
| Bill | 07/31/2018 | 730723 | | 730723 | 6077 · BHFS Legal - Party Status Maint | 3,192.75 |
| Bill | 07/31/2018 | 730724 | | 730724 | 6907.39 · Recharge Master Plan | 2,405.70 |
| | | | | Mileage/Parking Expense | 6907.39 · Recharge Master Plan | 36.58 |
| Bill | 07/31/2018 | 730725 | | 730725 | 6907.40 · Storage Agreements | 603.45 |
| Bill | 07/31/2018 | 730726 | | 730726 | 6907.42 · Safe Yield Recalculation | 19,820.70 |

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**CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018**

For Informational Purposes Only

| <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|------------------------|-------------------|--------------|---|---|---|--------------------|
| | | | | Delivery/Ground Transportation-2 trips | 6907.42 · Safe Yield Recalculation | 300.00 |
| | | | | Lodging-5 nights | 6907.42 · Safe Yield Recalculation | 1,125.00 |
| | | | | Mileage/Parking Expense | 6907.42 · Safe Yield Recalculation | 36.79 |
| Bill | 07/31/2018 | 730727 | | 730727 | 6907.44 · SGMA Compliance | 4,915.35 |
| | | | | Mileage/Parking Expense | 6907.44 · SGMA Compliance | 36.78 |
| TOTAL | | | | | | 106,631.26 |
| Bill Pmt -Check | 08/20/2018 | 20969 | CUCAMONGA VALLEY WATER DISTRICT | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/16/2018 | | | Office lease due September 1, 2018 | 1422 · Prepaid Rent | 6,608.80 |
| TOTAL | | | | | | 6,608.80 |
| Bill Pmt -Check | 08/20/2018 | 20970 | EUROFINS EATON ANALYTICAL | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/10/2018 | L0404635 | | L0404635 | 7108.4 · Hydraulic Control-Lab Svcs | 440.00 |
| Bill | 07/12/2018 | L0404636 | | L0404636 | 7108.4 · Hydraulic Control-Lab Svcs | 1,194.00 |
| TOTAL | | | | | | 1,634.00 |
| Bill Pmt -Check | 08/20/2018 | 20971 | GREAT AMERICA LEASING CORP. | 23188608 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/17/2018 | 23188608 | | Invoice for August 2018 | 6043.1 · Ricoh Lease Fee | 2,605.07 |
| | | | | 2018 San Bernardino County Property Tax Fee | 6043.3 · Ricoh Property Tax Fees | 490.44 |
| TOTAL | | | | | | 3,095.51 |
| Bill Pmt -Check | 08/20/2018 | 20972 | JOHN J. SCHATZ | Appropriative Pool Legal Services | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | | | July 2018 | 8367 · Legal Service | 7,844.00 |
| TOTAL | | | | | | 7,844.00 |
| Bill Pmt -Check | 08/20/2018 | 20973 | NELSON, ANNA | Employee Reimbursement | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/15/2018 | | | Reimburse for Notary Recertification | 6192 · Seminars - General | 209.06 |
| TOTAL | | | | | | 209.06 |
| Bill Pmt -Check | 08/20/2018 | 20974 | OFFICE & ERGONOMIC SOLUTIONS, INC. | Office Furniture | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/14/2018 | | | Final Payment-office furniture | 1840 · Capital Assets | 5,078.91 |
| TOTAL | | | | | | 5,078.91 |
| Bill Pmt -Check | 08/20/2018 | 20975 | PETTY CASH | 2737-2750 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/31/2018 | 2737-2750 | | Lunch for 6/15/18 Ag Pool meeting | 8412 · Meeting Expenses | 43.62 |
| | | | | Supplies for washing field trucks | 6151 · Small Tools & Equipment | 20.75 |
| | | | | Parking/mileage reimbursement-CalPers Seminar | 6192 · Seminars - General | 50.43 |
| | | | | Miscellaneous office supplies | 6031.7 · Other Office Supplies | 124.82 |
| | | | | Supplies-Board Exec Committee & Pool Chairs | 6312 · Meeting Expenses | 18.44 |
| | | | | Supplies for June and July staff meetings | 6141.3 · Admin Meetings | 28.93 |

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TOTAL

**CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018**

For Informational Purposes Only

| <u>Type</u> | <u>Date</u> | <u>Num</u> | <u>Name</u> | <u>Memo</u> | <u>Account</u> | <u>Paid Amount</u> |
|------------------------|-------------------|---------------------|--|--|---|--------------------|
| | | | | ETF mtg w/IEUA | 8312 · Meeting Expenses | 35.58 |
| TOTAL | | | | | | 322.57 |
| Bill Pmt -Check | 08/20/2018 | 20976 | PIERSON, JEFFREY | Board and Ag Pool Member Compensation | 1012 · Bank of America Gen'l Ckg | |
| Bill | 07/05/2018 | 7/05 Exec Comm Mtg | | 7/05/18 Exec. Comm.- Board & Appropriative Pool | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/10/2018 | 7/10 Admin Mtg | | 7/10/18 Admin. meeting w/GM-conference call | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/12/2018 | 7/12 Ag Pool Mtg | | 7/12/18 Ag Pool Meeting | 8411 · Compensation | 25.00 |
| | | | | 7/12/18 Ag Pool Meeting | 8470 · Ag Meeting Attend -Special | 100.00 |
| Bill | 07/19/2018 | 7/19 Special Ag Mtg | | 7/19/18 Special Ag Pool Executive Strategy mtg. | 8411 · Compensation | 25.00 |
| | | | | 7/19/18 Special Ag Pool Executive Strategy mtg. | 8470 · Ag Meeting Attend -Special | 100.00 |
| Bill | 07/19/2018 | 7/19 Exec Committee | | 7/19/19 Exec. Comm.-Board & Non-Ag Pool | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/23/2018 | 7/23 Admin Meeting | | 7/23/18 Admin. mtg.w/GM-Pool Chairs conf. call | 6311 · Board Member Compensation | 125.00 |
| Bill | 07/24/2018 | 7/24 Admin Meeting | | 7/24/18 Admin. Mtg.w/GM-conference call | 6311 · Board Member Compensation | 125.00 |
| TOTAL | | | | | | 875.00 |
| Bill Pmt -Check | 08/20/2018 | 20977 | STAULA, MARY L | Retiree Medical | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/31/2018 | | | Retiree Medical | 60182.4 · Retiree Medical | 25.17 |
| TOTAL | | | | | | 25.17 |
| Bill Pmt -Check | 08/20/2018 | 20978 | UNITED HEALTHCARE | 052502293904 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/15/2018 | 052502293904 | | Dental Insurance Premium - September 2018 | 60182.2 · Dental & Vision Ins | 433.36 |
| TOTAL | | | | | | 433.36 |
| Bill Pmt -Check | 08/20/2018 | 20979 | VERIZON WIRELESS | 9812160995 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/15/2018 | 9812160995 | | Acct #470810953-00001 | 6022 · Telephone | 336.37 |
| TOTAL | | | | | | 336.37 |
| Bill Pmt -Check | 08/23/2018 | ACH 082318 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/01/2018 | 15345627 | | Annual Unfunded Accrued Liability for Plan 3299 | 60180 · Employers PERS Expense | 5,456.55 |
| TOTAL | | | | | | 5,456.55 |
| General Journal | 08/25/2018 | 08/25/2018 | Payroll and Taxes for 08/12/18-08/25/18 | Payroll and Taxes for 08/12/18-08/25/18 | 1012 · Bank of America Gen'l Ckg | |
| | | | | Direct Deposits for 08/12/18-08/25/18 | 1012 · Bank of America Gen'l Ckg | 24,767.98 |
| | | | | Payroll Taxes for 08/12/18-08/25/18 | 1012 · Bank of America Gen'l Ckg | 7,907.59 |
| | | | ICMA-RC | 457(b) Employee Deductions for 08/12/18-08/25/18 | 1012 · Bank of America Gen'l Ckg | 4,189.76 |
| | | | ICMA-RC | 401(a) Employee Deductions for 08/12/18-08/25/18 | 1012 · Bank of America Gen'l Ckg | 1,311.76 |
| TOTAL | | | | | | 38,177.09 |
| Bill Pmt -Check | 08/29/2018 | 20980 | CENTURYLINK | 72576659 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 72576659 | | 8/17/18-9/16/18 | 6053 · Internet Expense | 1,050.46 |

**CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018**

For Informational Purposes Only

| Type | Date | Num | Name | Memo | Account | Paid Amount |
|-----------------------------|------------|-------------------|--|--|--|---------------------|
| TOTAL | | | | | | 1,050.46 |
| Bill Pmt -Check | 08/29/2018 | 20981 | FRONTIER COMMUNICATIONS | 909-484-3890-050914-5 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 90948438900509145 | | Office fax | 6022 · Telephone | 143.76 |
| TOTAL | | | | | | 143.76 |
| Bill Pmt -Check | 08/29/2018 | 20982 | INLAND EMPIRE UTILITIES AGENCY | 1800003901 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 1800003901 | | TO #3 - Pomona Extensometer Contract Admin. | 7402.10 · PE4 - Northwest MZ1 Area Proj. | 1,463,581.30 |
| TOTAL | | | | | | 1,463,581.30 |
| Bill Pmt -Check | 08/29/2018 | 20983 | LEGAL SHIELD | 0111802 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 0111802 | | Employee Deductions - August 2018 | 60194 · Other Employee Insurance | 79.70 |
| TOTAL | | | | | | 79.70 |
| Bill Pmt -Check | 08/29/2018 | 20984 | STANDARD INSURANCE CO. | Policy # 00-649299-0009 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 006492990009 | | Policy # 00-649299-0009 | 60191 · Life & Disab.Ins Benefits | 775.35 |
| TOTAL | | | | | | 775.35 |
| Bill Pmt -Check | 08/29/2018 | 20985 | VERIZON WIRELESS | 9812696708 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/23/2018 | 9812696708 | | Acct #642073270-00001 | 7103.7 · Grdwtr Qual-Computer Svc | 100.04 |
| TOTAL | | | | | | 100.04 |
| Bill Pmt -Check | 08/29/2018 | 20986 | INLAND EMPIRE UTILITIES AGENCY | 1800003899 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/22/2018 | 1800003899 | | SCADA System Upgrades Project-Invoice #10 | 7690.61 · GWR SCADA Upgrades (TO #4) | 29,590.05 |
| TOTAL | | | | | | 29,590.05 |
| Bill Pmt -Check | 08/29/2018 | 20987 | KESSLER ALAIR INSURANCE SERVICES, INC. | | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/29/2018 | | | Environ. Pollution Liab. coverage-Right of Entry | 6085 · Business Insurance Package | 9,544.19 |
| TOTAL | | | | | | 9,544.19 |
| Bill Pmt -Check | 08/29/2018 | 20988 | CUBICLE AND OFFICE, LLC. | 1041 | 1012 · Bank of America Gen'l Ckg | |
| Bill | 08/29/2018 | 1041 | | Panels and desks for field staff work area | 1840 · Capital Assets | 18,819.43 |
| TOTAL | | | | | | 18,819.43 |
| Bill Pmt -Check | 08/30/2018 | ACH 083018 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493 | 1012 · Bank of America Gen'l Ckg | |
| General Journal | 08/25/2018 | 18/08/09 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 08/12/18-08/25/18 | 2000 · Accounts Payable | 6,886.20 |
| TOTAL | | | | | | 6,886.20 |
| Total Disbursements: | | | | | | 2,194,687.05 |

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CHINO BASIN WATERMASTER
Cash Disbursements For The Month of
August 2018

For Informational Purposes Only

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

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CHINO BASIN WATERMASTER

IV. INFORMATION

2. Recharge Investigations and Projects Committee (RIPCom)

Recharge Investigations and Projects

Committee Meeting

Agenda

When: Thursday, August 16, 2018 @ 10:30 a.m.

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

Topics:

1. Introductions
2. New/Old Projects consideration
 - a) Open forum for potential new projects
3. IEUA/CBWM joint projects
 - a) Status updates
 - b) Budget updates
4. RMPU Implementation updates
 - a) 2018 RMPU

Next Recharge Investigations and Projects Committee (RIPCom) Meeting Date: Thursday, September 20, 2018 @ 9:30 a.m.

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Non-RMPU Ongoing Projects



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**GWR AND RW SCADA UPGRADES
PROJECT NO. EN14047
STATUS UPDATE: AUGUST 3, 2018**

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

Schedule:

| | | | | | |
|---------------------|------------------------------------|---|---------------|-----------------------|--------------------|
| | <u>Project Budget</u> \$892,000 | <u>Actual Cost to Date</u> \$764,339 | | | |
| <u>Phase</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> | <u>Projected Cost</u> | <u>Actual Cost</u> |
| Project Development | 11/11/11 | 02/24/14 | Completed | \$422 | \$422 |
| Design | 02/26/14 | 01/15/16 | Completed | \$186,512 | \$186,512 |
| Permits | 09/12/14 | 01/15/16 | Completed | \$42 | \$42 |
| Bid and Award | 01/18/16 | 04/20/16 | Completed | \$3,461 | \$3,461 |
| Construction** | 04/21/16 | 04/30/18 | In Progress | \$570,000 | \$573,902 |
| | | | | <u>\$760,437</u> | <u>\$764,339</u> |

*Projected cost was increased but remains below the project budget of \$892,000.

Grant/Loan Update:

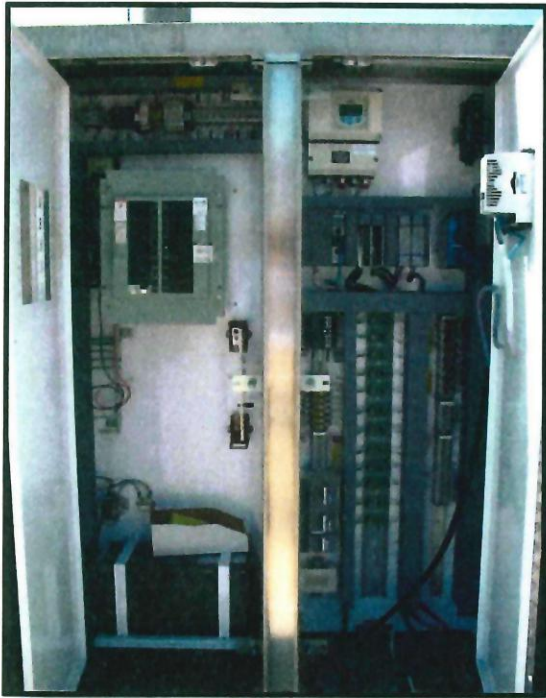
Awarded a \$139,650 grant and a 1% interest 30-year loan at \$740,145 from the Santa Ana Project Water Authority and Clean Water State Revolving Fund loan program respectively.

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

Project Update:

No major changes on the status since the previous month. Staff is finalizing all expenses and preparing to close the project as completed.

Project Photos:



San Sevaine Turnout control panel



Rubber Dam control panel



**UPPER SANTA ANA RIVER WATERSHED HABITAT CONSERVATION PLAN
PROJECT NO. RW15002
STATUS UPDATE: AUGUST 3, 2018**

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

Schedule:

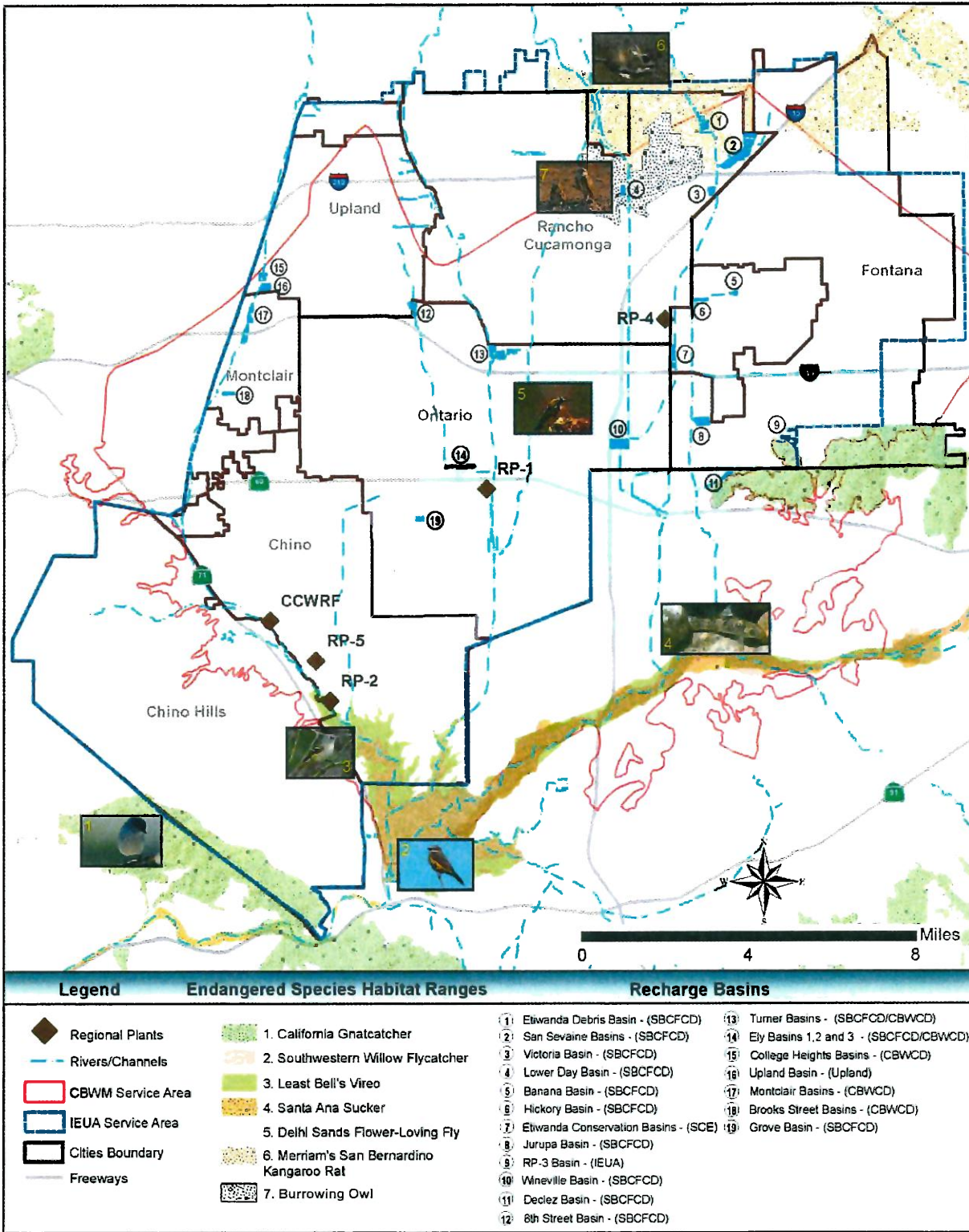
| | |
|-----------------------|----------------------------|
| <u>Project Budget</u> | <u>Actual Cost to Date</u> |
| \$160,000 | \$137,873 |

| <u>Phase</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> | <u>Projected Cost</u> | <u>Actual Cost</u> |
|------------------|--------------|---------------|---------------|-----------------------|--------------------|
| Investigate/Plan | 07/01/14 | 12/31/19 | In Progress | \$160,000 | \$137,873 |
| | | | | \$160,000 | \$137,873 |

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

Project Update:

There are no major updates since the previous status report. IEUA and Watermaster continues to work with the HCP team to complete the study. Per the Project Manager, the finish date is pushed to Dec. 2019 to address delays from other project partners. This delay is not expected to increase the project budget.



RMPU PROJECTS



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**SAN SEVAINE IMPROVEMENTS PROJECT
PROJECT NO. EN13001
STATUS UPDATE: AUGUST 3, 2018**

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

Schedule:

| | | | | | |
|----------------------|-----------------------|----------------------------|---------------|-----------------------|--------------------|
| | <u>Project Budget</u> | <u>Actual Cost to Date</u> | | | |
| | \$6,460,000 | \$4,745,733 | | | |
| <u>Phase</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> | <u>Projected Cost</u> | <u>Actual Cost</u> |
| Pre-design | 10/01/12 | 05/14/15 | Completed | \$160,000 | \$159,898 |
| Environmental Impact | 06/26/13 | 01/20/16 | Completed | \$30,000 | \$24,283 |
| Design | 05/15/15 | 12/12/16 | Completed | \$500,000 | \$555,899 |
| Permits | 05/15/13 | 01/31/18 | Completed | \$25,000 | \$25,000 |
| Bid and Award | 12/13/16 | 09/20/17 | Completed | \$5,000 | \$5,000 |
| Construction | 09/21/17 | 09/21/18 | In Progress | \$5,740,000 | \$3,975,653 |
| | | | | <u>\$6,460,000</u> | <u>\$4,745,733</u> |

Grant/Loan Update:

Awarded a \$750,000 state grant from the Department of Water Resources through the Santa Ana Watershed Project Authority as part of Proposition 84 and a \$375,000 federal grant from the US Bureau of Reclamation. Awarded Clean Water State Revolving Fund (SRF) for the construction of the project. This awarded financing includes a \$2.5 million forgiveness grant against the principal.

Cost Sharing Document:

- Task Order No. 8 of the Master Agreement of 2014 (August 2014)
- 1st Amendment Task Order No. 8 of the Master Agreement of 2014 (April 2015)
- 2nd Amendment Task Order No. 8 of the Master Agreement of 2014 (May 2017)

Project Update:

- Extended time in receiving the final electrical plans from Southern California Edison to provide electrical power to the new improvements within the Basin, the plans are still

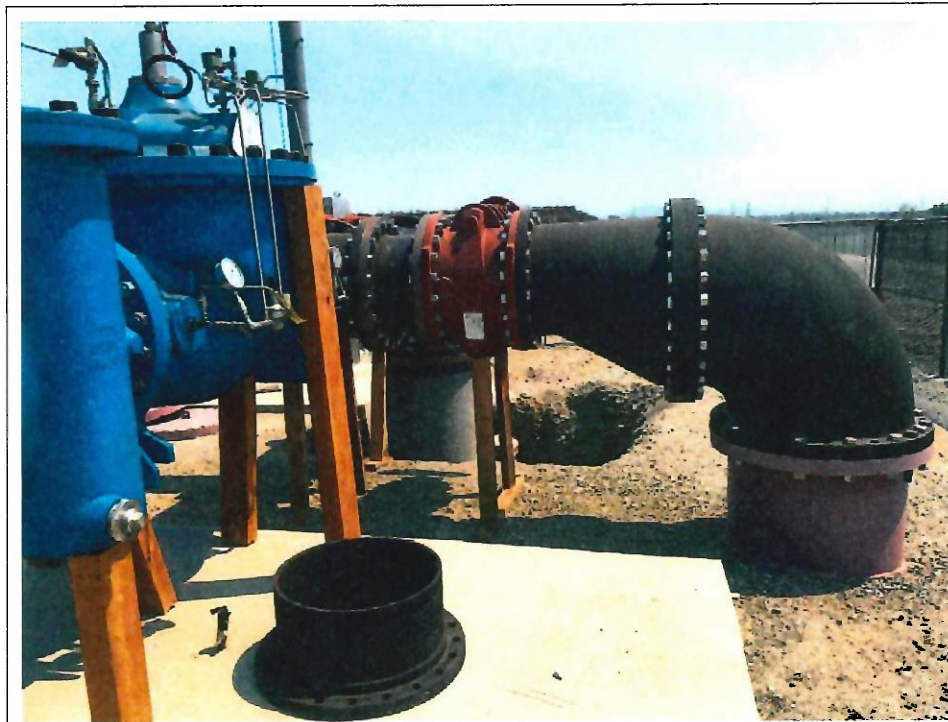
with Edison for development and pending to be finalized. The plans are requiring a different location to connect to power. This is extending the development time and will result in an added cost due to the different location. As soon as the plans are finalized, staff will have a detailed estimate for the added cost.

- Extended time in finalizing the required motor control center and motor starter, the electrical supplier is resubmitting equipment details to confirm the proposed products meet specifications. Earlier submittals failed to meet the Engineer's approval. This resulted in an extended time to discuss and investigate other options. This effort found the other alternatives to be costly and potentially pushing the schedule by 12 to 16 weeks. Staff immediately requested the supplier to revisit their initial submittal and provide the products that can meet the required specifications. Since the material has not been ordered, the extended submittal may push the electrical schedule out by 6 weeks. The contractor is reviewing the overall schedule to evaluate the impact to the completion date.
- Unforeseen field conditions resulted in the following added scope to the contractor:
 - An unmarked storm drain pipe impacted the pipe placement and needed to be rejected.
 - Another storm drain pipe was discovered in a different location and needed to be adjusted.
 - Abandon a SCE metering system for an existing recharge controller and combine the existing system to the new metering and electrical panel under the new basin improvements. Edison is requiring a single meter instead of two for the area. Additional wiring and electrical equipment are required to connect the existing system to the new.

Construction Activities Photos:



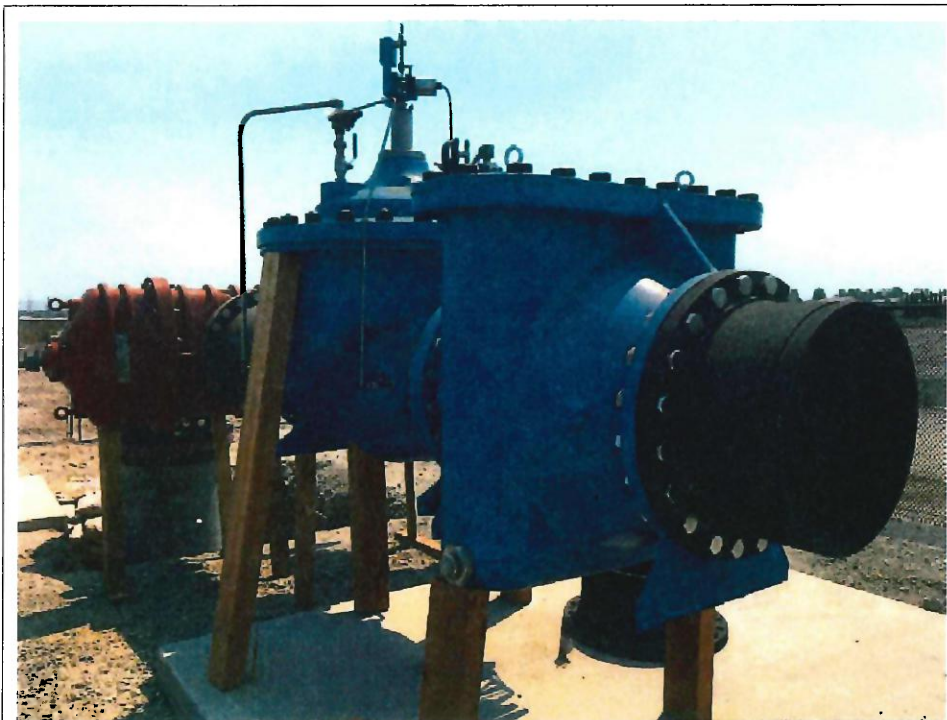
Completed Stormwater Outlet Structure in Basin 3



Installation of new pipe fittings at the Recycled Water Turnout



Installed new stormwater inlet structure



Installation of new strainer and control valve at the Recycled Turnout



POST 2014 STORMWATER RECHARGE PROGRAM
PROJECT NOS. RW15003.00/.01/.02/.03/.04/.05/.06 & RW15004.00
STATUS UPDATE: AUGUST 3, 2018

The following are the projects under the “Post 2014 Stormwater Recharge Program” that are recommended for final design, bid and construction:

| PID | Basin Projects | Post 2014 Stormwater Recharge Program ⁽²⁾ | Initial Yield | | Updated Yield ⁽¹⁾ | |
|-----|-------------------------------------|---|--------------------|--------------|------------------------------|--------------|
| | | | SW | RW | SW | RW |
| | | | acre-feet per year | | | |
| 12 | Lower Day Basin | Increase stormwater diversion and basin storage | 789 | - | 993 | - |
| 11 | Victoria Basin | Improve the infiltration rate and increase storage by removing settled deposits | 43 | 120 | 75 | 120 |
| 2 | Montclair Basins | Increase storage and recharge capacity by directing more channel flow | 248 | - | 96 | - |
| 18a | CSI Basin ⁽³⁾ | New storage and recharge facility by deepening basin | 81 | - | - | - |
| 23a | Wineville, Jurupa, RP3 & Force Main | Improve storage and recharge capacity with pumps/conveyance systems between basins and provide new diversion structures | 3,166 | 2,905 | 2,921 | 2,905 |
| | | | 4,327 | 3,025 | 4,085 | 3,025 |

- (1) Updated to reflect new values as calculated after the completion of the PDR
- (2) San Sevaine Basin Improvement project is a part of the “Post 2014 Stormwater Recharge Program” but it is not listed here for it has its own status update sheet.
- (3) 18a (CSI) removed from the list of ongoing RMPU projects. Yield value of 100 AFY is removed.

Project Budget:

| | | <u>Project Budget</u> | <u>Actual Cost to Date</u> |
|--|--------------------------|-----------------------|----------------------------|
| | | \$23,007,817 | \$3,028,459 |
| RMPU Project | Total Projected Expenses | Actual Cost (to date) | |
| Lower Day Basin (PID 12) | \$4,008,000 | \$463,465 | |
| Victoria Basin ⁽⁴⁾ (PID 11) | \$168,800 | \$45,087 | |
| Montclair Basins (PID 2) | \$1,788,100 | \$288,972 | |
| RP-3 Basin ⁽⁴⁾ | \$1,486,700 | \$235,881 | |
| Wineville Basin | (23a) | \$14,996,200 | \$1,995,054 |
| Jurupa Basin | | | |
| Wineville/Jurupa Force Main | | | |
| Total | \$22,447,800 | \$3,028,459 | |

(4) Cost shared between IEUA and Watermaster

The following are the planned expenses and cost to date for deferred RMPU projects:

| Project/Phase | Planned Expenses | Actual Cost (to date) |
|------------------------------|------------------|-----------------------|
| East Declez | | |
| Project Development | \$114,000 | \$112,445 |
| Sub-Total | \$114,000 | \$112,445 |
| Declez Basin (PID 27) | | |
| Project Development | \$2,600 | \$2,600 |
| Preliminary Design | \$71,000 | \$3,913 |
| Environmental | \$31,400 | |
| Sub-Total | \$105,000 | \$6,513 |
| Turner Basin (PID 14) | | |
| Project Development | \$1,000 | \$1,000 |
| Preliminary Design | \$28,400 | \$1,605 |
| Environmental | \$12,600 | |
| Sub-Total | \$42,000 | \$2,605 |
| Ely Basin (PID 15a) | | |
| Project Development | \$5,900 | \$5,900 |
| Preliminary Design | \$159,600 | \$8,738 |
| Environmental | \$70,500 | |
| Sub-Total | \$236,000 | \$14,638 |
| CSI Basin (PID 18a) | | |
| Project Development | \$2,000 | \$2,000 |
| Preliminary Design | \$47,000 | \$47,000 |
| Environmental | \$14,017 | \$14,017 |
| Sub-Total | \$63,017 | \$63,017 |
| Total | \$560,017 | \$199,218 |

Grant/Loan Update:

| RMPU Project | Funding Programs | Received Grant |
|--|---------------------------------|---------------------|
| Lower Day Basin (PID 12) | Grant Prop. 84 DWR/SAWPA | \$750,000 |
| | USBR - Grant | \$375,000 |
| RP-3 Basin (PID23a) | USBR - Grant | \$300,000 |
| | SWRCB - Stormwater Grant | \$743,350 |
| Wineville/Jurupa/Force Main (PID 23a) | SWRCB - Stormwater Grant | \$7,498,100 |
| | USBR – Drought Resiliency Grant | \$750,000 |
| Montclair Basin (PID 2)) | - | - |
| Victoria Basin (PID 11) | - | - |
| | Received Total | \$10,416,450 |

IEUA recently received a \$750,000 United State Bureau of Reclamation (USBR) WaterSMART Drought Resiliency Construction grant award for the Chino Basin Watermaster’s RMPU Project 23a - Wineville, Jurupa and RP-3 Basins Improvement Project (Project). The grants team is

working with the State Water Board on a Clean Water SRF loan for the remaining balance of the entire 2013 RMPU project package.

Cost Sharing Document:

- Task Order No. 1 of the Master Agreement of 2014 (Design Projects)
- 1st Amendment Task Order No. 1 of the Master Agreement of 2014 (Design Projects)
- 2nd Amendment Task Order No. 1 of the Master Agreement of 2014 (Design Projects)
- 2nd Amendment Task Order No. 1 of the Master Agreement of 2014 (Deferred Projects)
- Task Order No. 2 of the Master Agreement of 2014 (PID 12)
- 1st Amendment Task Order No. 2 of the Master Agreement of 2014 (PID 12)
- Task Order No. 9 of the Master Agreement of 2014 (PID 23a)
- Task Order No. 10 of the Master Agreement of 2014 (PID 11)
- Task Order No. 11 of the Master Agreement of 2014 (PID 2)

Overview of Task Orders’ cost sharing amount with grants:

| Deferred Projects (Task Order No.1) | Total |
|-------------------------------------|--------------|
| Watermaster | \$497,000 |
| IEUA | \$0 |
| Total | \$497,000 |
| Lower Day Basin (Task Order No. 2) | Total |
| Watermaster | \$2,883,000 |
| IEUA | \$0 |
| Grant Funding | \$1,125,000 |
| Total | \$4,008,000 |
| PID 23a (Task Order No. 9) | Total |
| Watermaster | \$7,554,135 |
| IEUA | \$387,315 |
| SWRCB Grant | \$8,241,450 |
| USBR Grant | \$300,000 |
| Total | \$16,482,900 |
| Victoria Basin (Task Order No. 10) | Total |
| Watermaster | \$84,400 |
| IEUA | \$84,400 |
| Total | \$168,800 |
| Montclair Basin (Task Order No. 11) | Total |
| Watermaster | \$1,788,100 |
| IEUA | \$0 |
| Total | \$1,788,100 |
| CSI Basin (Task Order No. 12) | Total |
| Watermaster | \$63,017 |
| IEUA | \$0 |
| Total | \$63,017 |

PID 23a Task Order
 Task Order amendment required to include additional grant funds

CSI Basin Task Order
 Task Order amendment required to remove CSI and show remaining cost (updated further)

Project Update:

- 1) The following are updates to each of the on-going RMPU projects:
 - a) Victoria Basin – Finalizing construction plans. Preparing plans for bidding in August.
 - b) Wineville/Jurupa Storm Water Distribution Pipeline – Received Flood Control District permit comments. Currently finalizing the design. A resubmittal with the District is required. This will push the schedule as shown.
 - c) Montclair Basin – Army Corps provide permit review comments. Currently finalizing the design plans. A resubmittal with the Corps is requested. This will push schedule as shown.
 - d) Lower Day Basin – Flood Control comments were received. The engineer is finalizing the design plans. A resubmittal of the plans is required. This will push the schedule as shown.

- 2) The following is an update to RMPU’s RP-3 Basin Improvement Project:
 - a) Awarded the Demolition and Excavation contract to James McMinn, Inc.
 - b) The remaining Basin Improvement at RP-3 will be combined with other RMPU projects to seek more competitive pricing.

- 3) Update on Clean Water State Revolving Fund (CWSRF) Application (loan assistance for water quality improvement project) – IEUA staff submitted all required application forms to the State Water Board. As discussed, IEUA is expecting SRF funding to be available under the following fiscal year (Fiscal Year 19/20). Notification of funding is expected on April 2019.

- 4) Regulatory Permits Update – The following three regulatory agencies: California Department of Fish & Wildlife, Santa Ana Regional Water Quality Control Board and US Army Corps of Engineers are being notified of the projects. Awaiting a response to projects notification.

Schedule

Lower Day (PID 12), Wineville/Jurupa/Force main (PID 23a) & Montclair Basin (PID 2):

| <u>Phases</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> |
|---------------------|--------------|---------------|---------------|
| Project Development | 07/01/14 | 12/17/14 | Completed |
| Preliminary Design | 12/18/14 | 06/21/17 | Completed |
| Environmental | 12/18/14 | 12/31/17 | Completed |
| Permits | 06/22/17 | 11/30/18 | In Progress |
| Design | 12/18/14 | 11/30/18 | In Progress |
| Bid and Award | 12/03/18 | 04/17/19 | Not Started |
| Construction | 04/18/18 | 09/30/20 | Not Started |

Schedule – Victoria Basin (PID 11) :

| <u>Phases</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> |
|---------------------|--------------|---------------|---------------|
| Project Development | 07/01/14 | 12/17/14 | Completed |
| Preliminary Design | 12/18/14 | 06/21/17 | Completed |
| Environmental | 12/18/14 | 12/31/17 | Completed |
| Permits | 06/22/17 | 08/07/18 | In Progress |
| Design | 12/18/14 | 08/07/18 | In Progress |
| Bid and Award | 08/08/18 | 12/19/18 | Not Started |
| Construction | 12/20/18 | 12/31/19 | Not Started |

Schedule – RP-3 Basin (PID 23a):

| <u>Phases</u> | <u>Start</u> | <u>Finish</u> | <u>Status</u> |
|---------------------|--------------|---------------|---------------|
| Project Development | 07/01/14 | 12/17/14 | Completed |
| Preliminary Design | 12/18/14 | 06/21/17 | Completed |
| Environmental | 12/18/14 | 12/31/17 | Completed |
| Permits | 06/22/17 | 01/09/18 | Completed |
| Design | 12/18/14 | 12/14/17 | Completed |
| Bid and Award | 01/10/18 | 06/20/18 | In-Progress |
| Construction | 06/21/18 | 12/31/19 | Not Started |

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| Project Name (Project ID) (Cost Sharing Task Order) | IEUA Project No. | Project Cost To Date | Approved Budget | COST SHARE | | BUDGET ALLOCATION | | | IEUA PROJECT COSTS | | CBWM PROJECT COSTS | | |
|--|------------------|----------------------|----------------------|------------|------------|----------------------|---------------------|----------------------|------------------------------|-------------------|------------------------------|-----------------------|----------------------|
| | | | | IEUA | CBWM | Grant Funding | IEUA | CBWM | Share on Actual Cost To Date | Remaining Balance | Share on Actual Cost To Date | Invoices Paid To Date | Remaining Balance |
| Pre-RMPU Ongoing Projects | | | | | | | | | | | | | |
| GWR SCADA Upgrades (7690.61) (Task No. 4) ¹ | EN14047.00 | \$ 764,339 | \$ 892,000 | 50% | 50% | \$ 139,650 | \$ 376,175 | \$ 421,875 | \$ 322,338 | \$ 53,837 | \$ 382,170 | \$ 346,585 | \$ 75,290 |
| COMMUNICATION Upgrades (7690.62) (Task No. 3) | EN12019.00 | \$ 1,227,096 | \$ 1,227,096 | 50% | 50% | \$ 192,850 | \$ 517,123 | \$ 517,123 | \$ 517,123 | \$ - | \$ 517,123 | \$ 526,075 | \$ (8,952) |
| Upper Santa Ana River HCP (7690.70) (Task No. 7) | RW15002.00 | \$ 137,873 | \$ 160,000 | 50% | 50% | \$ - | \$ 80,000 | \$ 80,000 | \$ 68,937 | \$ 11,064 | \$ 68,936.50 | \$ 59,937 | \$ 20,063 |
| SUBTOTAL PRE-RMPU PROJECTS | | \$ 2,129,308 | \$ 2,279,096 | --- | --- | \$ 332,500 | \$ 973,298 | \$ 1,018,998 | \$ 908,397 | \$ 64,901 | \$ 968,229 | \$ 932,597 | \$ 86,401 |
| RMPU Projects | | | | | | | | | | | | | |
| San Sevaine Improvements PID7 (7690.40) (Task No. 8) | EN13001.00 | \$ 4,745,733 | \$ 6,460,000 | 50% | 50% | \$ 3,625,000 | \$ 1,417,500 | \$ 1,417,500 | \$ 1,041,343 | \$ 376,157 | \$ 1,041,343 | \$ 368,410 | \$ 1,049,090 |
| Lower Day Basin Improvement PID12 (7690.8) (Task No. 2) * | RW15004.00 | \$ 463,465 | \$ 4,008,000 | 0% | 100% | \$ 1,125,000 | \$ - | \$ 2,883,000 | \$ - | \$ - | \$ 463,465 | \$ 323,712 | \$ 2,559,288 |
| East Decluz (7690.16) (1st Amendment - Task No. 1) * | RW15003.01 | \$ 112,445 | \$ 114,000 | 0% | 100% | \$ - | \$ - | \$ 114,000 | \$ - | \$ - | \$ 112,445 | \$ 112,445 | \$ 1,555 |
| Decluz Basin PID 27 (7690.21) (Task No. 1) * | RW15003.00 | \$ 6,513 | \$ 105,000 | 0% | 100% | \$ - | \$ - | \$ 105,000 | \$ - | \$ - | \$ 6,513 | \$ 6,513 | \$ 98,487 |
| Turner Basins PID14 (7690.21) (Task No. 1) * | RW15003.00 | \$ 2,605 | \$ 42,000 | 0% | 100% | \$ - | \$ - | \$ 42,000 | \$ - | \$ - | \$ 2,605 | \$ 2,605 | \$ 39,395 |
| Ely Basin PID15a (7690.21) (Task No. 1) * | RW15003.00 | \$ 14,638 | \$ 236,000 | 0% | 100% | \$ - | \$ - | \$ 236,000 | \$ - | \$ - | \$ 14,638 | \$ 14,638 | \$ 221,362 |
| Victoria Basin Improvements PID11 (7690.25) (Task No. 10) * | RW15003.02 | \$ 45,087 | \$ 168,800 | 50% | 50% | \$ - | \$ 84,400 | \$ 84,400 | \$ 22,544 | \$ 61,857 | \$ 22,544 | \$ 12,630 | \$ 71,770 |
| Montclair Basin Improvements PID2 (7690.26) (Task No.11) * | RW15003.03 | \$ 288,972 | \$ 1,788,100 | 0% | 100% | \$ - | \$ - | \$ 1,788,100 | \$ - | \$ - | \$ 288,972 | \$ 161,895 | \$ 1,626,205 |
| CSI Basin Improvements PID 18a (7690.27) (Task No. 12) * | RW15003.04 | \$ 63,017 | \$ 966,000 | 0% | 100% | \$ - | \$ - | \$ 966,000 | \$ - | \$ - | \$ 63,017 | \$ 35,305 | \$ 930,695 |
| RP3 Basin Improvements PID23a (7690.35) (Task No. 9) * | RW15003.05 | \$ 235,881 | \$ 1,486,700 | 50% | 50% | \$ 712,070 | \$ 387,315 | \$ 387,315 | \$ 117,941 | \$ 269,375 | \$ 117,941 | \$ 66,076 | \$ 321,239 |
| Wineville Basin Improvements PID23a (7690.36) (Task No. 9) * | RW15003.06 | | \$ 3,588,000 | 0% | 100% | \$ 1,895,530 | \$ - | \$ 1,692,470 | \$ - | \$ - | \$ 477,338 | \$ 267,426 | \$ 1,425,044 |
| Jurupa Basin Improvements PID23a (7690.36) (Task No. 9) * | RW15003.06 | \$ 1,995,054 | \$ 1,424,000 | 0% | 100% | \$ 741,730 | \$ - | \$ 682,270 | \$ - | \$ - | \$ 189,445 | \$ 106,136 | \$ 576,134 |
| Wineville/Jurupa Force Main PID 23a (7690.36) (Task No. 9) * | RW15003.06 | | \$ 9,984,200 | 0% | 100% | \$ 5,192,120 | \$ - | \$ 4,792,080 | \$ - | \$ - | \$ 1,328,271 | \$ 744,158 | \$ 4,047,922 |
| Post 2014 Storm Water Recharge Program * | | \$ 3,227,677 | \$ 23,910,800 | | | \$ 9,666,450 | \$ 471,715 | \$ 13,772,635 | \$ 140,484 | \$ 331,231 | \$ 3,087,193 | \$ 1,853,539 | \$ 11,919,096 |
| SUBTOTAL RMPU PROJECTS | --- | \$ 7,973,410 | \$ 30,370,800 | --- | --- | \$ 13,291,450 | \$ 1,889,215 | \$ 15,190,135 | \$ 1,181,827 | \$ 707,388 | \$ 4,128,537 | \$ 2,221,949 | \$ 12,968,186 |
| GRAND TOTALS | --- | \$ 10,102,718 | \$ 32,649,896 | --- | --- | \$ 13,623,950 | \$ 2,862,513 | \$ 16,209,133 | \$ 2,090,224 | \$ 772,289 | \$ 5,096,766 | \$ 3,154,546 | \$ 13,054,588 |

NOTES:

¹ Watermaster Board approved an additional amount of \$45,700 (50% of the anticipated additional costs of \$91,400) on November 25, 2014 for the Programmable Logic Controller (PLC) replacements at the five Rubber Dam/Basin systems.

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| Project Name | CBWM Fiscal Year 2018/19 | | | | | | | | | | CBWM Future Years | | | | |
|--|--------------------------|-----------------|---|------------------------------|--------------------------|--|-----------------------------|---|--------------------------------|-------------------------------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|
| | CURRENT YEAR CBWM BUDGET | | | | | CURRENT YEAR CBWM ACTUALS | | | | | CBWM FUTURE BUDGET NEEDS | | | | |
| | Budget Carry-Over | Approved Budget | Approved Budget (Not Assessed or Collected) | Budget Amendments/ Transfers | Total Fiscal Year Budget | Actual to Date (Including Paid & Outstanding Invoices) | Remaining Balance Available | Completed Projects With Available Funds To Be Distributed | CBWM Remaining Projected Costs | Budget Amendment Required? (Yes/No) | Projected CarryOver Funds FY 2018/19 | Fiscal Year 2019/20 | Fiscal Year 2020/21 | Fiscal Year 2021/22 | Fiscal Year 2022/23 |
| Pre RMPU Ongoing Projects | | | | | | | | | | | | | | | |
| GWR SCADA Upgrades (7690.61) (Task No. 4) | \$ 75,290 | \$ - | | \$ - | \$ 75,290 | \$ - | \$ 75,290 | \$ - | \$ 75,290 | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| COMMUNICATION Upgrades (7690.62) (Task No. 3) | \$ (8,952) | \$ - | | \$ - | \$ (8,952) | \$ - | \$ (8,952) | \$ - | \$ (8,952) | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| Upper Santa Ana River HCP (7690.7) (Task No. 7) | \$ 20,063 | \$ - | | \$ - | \$ 20,063 | \$ - | \$ 20,063 | \$ - | \$ 20,063 | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL PRE-RMPU PROJECTS | \$ 86,401 | \$ - | | \$ - | \$ 86,401 | \$ - | \$ 86,401 | \$ - | \$ 86,401 | --- | \$ - | \$ - | \$ - | \$ - | \$ - |
| RMPU Projects | | | | | | | | | | | | | | | |
| San Sevaine Improvements (7690.4) (Task No. 8) ¹ | \$ 2,299,090 | \$ - | | \$ (2,299,090) | \$ - | \$ - | \$ - | \$ 1,049,090 | No | \$ - | \$ - | \$ 1,049,090 | \$ - | \$ - | \$ - |
| Lower Day Basin Improvement Project (7690.8) (Task No. 2) * ² | \$ 5,287 | \$ - | \$ - | \$ 400,000 | \$ 405,287 | \$ - | \$ 405,287 | \$ - | \$ 2,559,288 | No | \$ - | \$ 1,170,044 | \$ 983,140 | \$ 817 | \$ - |
| East Declerz Basin (7690.18) (1st Amendment - Task No. 1) * | \$ 1,171 | \$ - | | \$ - | \$ 1,171 | \$ - | \$ 1,171 | \$ - | \$ 1,171 | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| Declerz Basin PID 27 (7690.21) (Task No. 1) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 98,487 | No | \$ - | \$ 98,487 | \$ - | \$ - | \$ - |
| Turner Basins PID14 (7690.21) (Task No. 1) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 39,395 | No | \$ - | \$ 39,395 | \$ - | \$ - | \$ - |
| Ely Basin PID15a (7690.21) (Task No. 1) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 221,362 | No | \$ - | \$ 221,362 | \$ - | \$ - | \$ - |
| Victoria Basin Improvements PID11 (7690.25) (Task No. 10) * | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 77,906 | No | \$ - | \$ 50,898 | \$ 26,164 | \$ 844 | \$ - |
| Montclair Basin Improvements PID2 (7690.26) (Task No.11) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,650,516 | No | \$ - | \$ 1,078,394 | \$ 554,311 | \$ 17,811 | \$ - |
| CSI Basin Improvements PID 18a (7690.27) (Task No. 12) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 927,901 | No | \$ - | \$ 618,781 | \$ 299,460 | \$ 9,660 | \$ - |
| RP3 Basin Improvements PID23a (7690.35) (Task No. 9) * | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 330,119 | No | \$ - | \$ 330,119 | \$ - | \$ - | \$ - |
| Wineville Basin Improvements PID23a (7690.36) (Task No. 9) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,416,395 | No | \$ - | \$ 250,000 | \$ 1,166,395 | \$ - | \$ - |
| Jurupa Basin Improvements PID23a (7690.36) (Task No. 9) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 572,702 | No | \$ - | \$ 150,000 | \$ 422,702 | \$ - | \$ - |
| Wineville/Jurupa Force Main PID 23a (7690.36) (Task No. 9) * | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,023,855 | No | \$ - | \$ 1,748,188 | \$ 2,210,838 | \$ 64,829 | \$ - |
| 2013 RMPU Amendment Yield Enhancement Projects (7690.15) (Task No. 1) * ³ | \$ 589,923 | \$ - | \$ - | \$ 980,182 | \$ 1,570,105 | \$ - | \$ 1,570,105 | \$ - | \$ - | No | \$ - | \$ (1,570,105) | \$ - | \$ - | \$ - |
| Post 2014 Storm Water Recharge Program * | \$ 596,381 | \$ - | \$ - | \$ 1,380,182 | \$ 1,976,563 | \$ - | \$ 1,976,563 | \$ - | \$ 11,919,097 | No | \$ - | \$ 4,185,563 | \$ 5,663,010 | \$ 93,961 | \$ - |
| SUBTOTAL RMPU PROJECTS | \$ 2,895,471 | \$ - | \$ - | \$ (918,908) | \$ 1,976,563 | \$ - | \$ 1,976,563 | \$ - | \$ 12,968,187 | --- | \$ - | \$ 4,185,563 | \$ 6,712,100 | \$ 93,961 | \$ - |
| GRAND TOTALS | \$ 2,981,872 | \$ - | \$ - | \$ (918,908) | \$ 2,062,964 | \$ - | \$ 2,062,964 | \$ - | \$ 13,054,588 | --- | \$ - | \$ 4,185,563 | \$ 6,712,100 | \$ 93,961 | \$ - |

NOTES:

¹ Funding collected in prior years for San Sevaine Improvements of \$2,299,090 has been reallocated to Page 3 per RIPCom recommendation during the July 2018 meeting. Budget Transfer Form to be processed for approval during September 2018 meetings.

² Lower Day funding of \$400,000 from Budget Transfer of \$78,116 and \$321,884 from Page 3. Budget Transfer Form to be processed for approval during September 2018 meetings.

³ 2013 RMPU Amendment Yield Enhancement Projects funding of \$980,182 from Budget Transfer from Page 3. Budget Transfer Form to be processed for approval during September 2018 meetings.

Columns B13-B16 \$ 10,991,624
 Column B8 \$ 2,062,964
 Column B10 \$ 13,054,588

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| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 |
|--|--------------------------|-----------------|------------------------------|--------------------------|--|-----------------------------|--|--------------------------------|-------------------------------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Project Name | CBWM Fiscal Year 2018/19 | | | | | | | | | CBWM Future Years | | | | |
| | CURRENT YEAR CBWM BUDGET | | | | CURRENT YEAR CBWM ACTUALS | | | | | CBWM FUTURE BUDGET NEEDS | | | | |
| | Budget Carry-Over | Approved Budget | Budget Amendments/ Transfers | Total Fiscal Year Budget | Actual to Date (Including Paid & Outstanding Invoices) | Remaining Balance Available | Completed Projects With Available Funds To Be Distributed ¹ | CBWM Remaining Projected Costs | Budget Amendment Required? (Yes/No) | Projected CarryOver Funds FY 2018/19 | Fiscal Year 2019/20 | Fiscal Year 2020/21 | Fiscal Year 2021/22 | Fiscal Year 2022/23 |
| Pre RMPU Ongoing Projects | | | | | | | | | | | | | | |
| CB20 Noise Mitigation (7690.5) COMPLETED | \$ 860 | \$ - | \$ (860) | \$ - | \$ - | \$ - | \$ - | \$ - | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| Wineville Proof of Concept (7209.2) (Task No. 6) COMPLETED | \$ 35,398 | \$ - | \$ (35,398) | \$ - | \$ - | \$ - | \$ - | \$ - | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| Jurupa Pump Station (7209.1) (Task No. 5) COMPLETED | \$ 37,981 | \$ - | \$ (37,981) | \$ - | \$ - | \$ - | \$ - | \$ - | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| Hickory Basin (7690.3) COMPLETED | \$ 3,877 | \$ - | \$ (3,877) | \$ - | \$ - | \$ - | \$ - | \$ - | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL PRE-RMPU PROJECTS | \$ 78,116 | \$ - | \$ (78,116) | \$ - | \$ - | \$ - | \$ - | \$ - | --- | \$ - | \$ - | \$ - | \$ - | \$ - |
| RMPU Projects | | | | | | | | | | | | | | |
| San Sevaine Improvements (7690.4) (Task No. 8) | \$ 2,299,090 | \$ - | \$ (1,302,066) | \$ 997,024 | \$ - | \$ - | \$ 997,024 | \$ - | No | \$ - | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL RMPU PROJECTS | \$ 2,299,090 | \$ - | \$ (1,302,066) | \$ 997,024 | \$ - | \$ - | \$ 997,024 | \$ - | --- | \$ - | \$ - | \$ - | \$ - | \$ - |
| GRAND TOTALS | \$ 2,377,206 | \$ - | \$ (1,380,182) | \$ 997,024 | \$ - | \$ - | \$ 997,024 | \$ - | --- | \$ - | \$ - | \$ - | \$ - | \$ - |

NOTES:

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¹ \$997,024 of the Carry-Over funds could be (1) allocated to other projects; (2) kept in reserve; (3) used to fund debt service; or (4) refunded to the Appropriators on the next Assessment.

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