



# CHINO BASIN WATERMASTER



## NOTICE OF MEETING

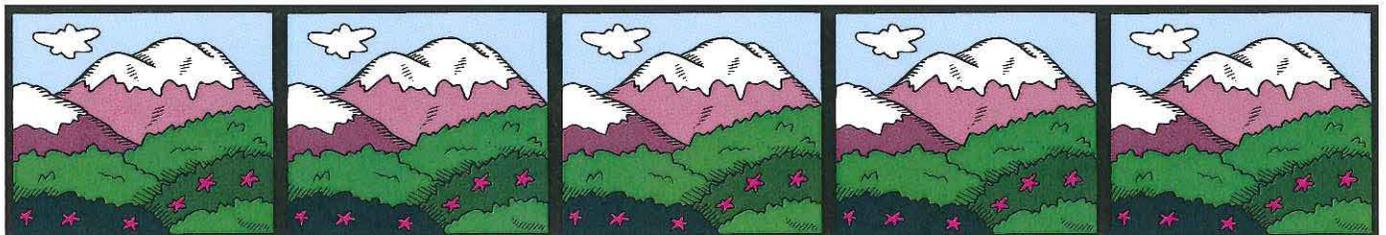
**Thursday, May 24, 2012**

11:00 a.m. – Watermaster Board Meeting

*Lunch Will Be Served*

**AT THE CHINO BASIN WATERMASTER OFFICES**

9641 San Bernardino Road  
Rancho Cucamonga, CA 91730  
(909) 484-3888





# **CHINO BASIN WATERMASTER**

**Thursday, May 24, 2012**

11:00 a.m. – Watermaster Board Meeting

## **AGENDA PACKAGE**



**CHINO BASIN WATERMASTER  
WATERMASTER BOARD MEETING**

11:00 a.m. – May 24, 2012

**WITH**

*Mr. Bob Kuhn, Chair*

*Mr. Jim Curatalo, Vice-Chair*

**At The Offices Of**

**Chino Basin Watermaster**

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

**AGENDA**

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**AGENDA - ADDITIONS/REORDER**

**I. CONSENT CALENDAR**

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

**A. MINUTES**

1. Minutes of the Special Watermaster Board Meeting held April 12, 2012 *(Page 1)*
2. Minutes of the Watermaster Board Meeting held April 26, 2012 *(Page 3)*

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of March 2012 *(Page 9)*
2. Watermaster VISA Check Detail for the month of March 2012 *(Page 23)*
3. Combining Schedule for the Period July 1, 2011 through March 31, 2012 *(Page 27)*
4. Treasurer's Report of Financial Affairs for the Period March 1, 2012 through March 31, 2012 *(Page 31)*
5. Budget vs. Actual Report for the Period July 1, 2011 through March 31, 2012 *(Page 35)*

**C. WATER TRANSACTION**

1. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Upland. The transfer will be made first from the City of Upland's under-production in Fiscal Year 2011-12, then any additional from storage. Date of Application: March 26, 2012 *(Page 45)*
2. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. The transfer will be made from Monte Vista Irrigation Company's Excess Carryover Account. Date of Application: March 26, 2012 *(Page 55)*
3. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. The transfer will be made from Monte Vista Water District's Excess Carryover Account. Date of Application: March 26, 2012 *(Page 65)*

4. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the Santa Ana River Water Company. The transfer will be made first from the Santa Ana River Water Company’s under-production in Fiscal Year 2011-12, then any additional from storage. Date of Application: March 26, 2012 *(Page 75)*
5. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Chino. The transfer will be made from the City of Chino’s Excess Carryover Account. Date of Application: March 26, 2012 *(Page 85)*
6. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. The transfer will be made from Aqua Capital Management’s Local Storage Account. Date of Application: March 26, 2012 *(Page 95)*
7. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Auto Club Speedway. The transfer will be made from Auto Club Speedway’s Local Storage Account. Date of Application: March 26, 2012 *(Page 105)*

**II. BUSINESS ITEMS**

**A. WATERMASTER BUDGET**

Consider Approval of the Watermaster Fiscal Year 2012/2013 Budget *(Page 115)*

**B. CHINO BASIN WATERMASTER RECHARGE MASTER PLAN UPDATE FILING**

Consider Staff’s Recommendation to: 1. Approve the Final Draft of Sections 1-4 of the 2012 Chino Basin Recharge Master Plan Update; 2. Authorize Filing the Recharge Master Plan Status Report With the Court; 3. Direct Staff to Continue Working the Stakeholders and Recharge Master Plan Update Steering Committee on Completing the Remaining Sections of the Update *(Page 177)*

**C. WATERMASTER BUDGET TRANSFERS AND BUDGET AMENDMENTS**

Consider Staff’s Recommendation to Approve Budget Transfer Form T-12-05-01 and Budget Amendment Form A-12-05-01 – *(Page 269)*

**III. REPORTS/UPDATES**

**A. LEGAL REPORT**

1. Day Creek and San Sevaine Recharge Permit Time Extensions
2. Paragraph 31 Appeal

**B. ENGINEERING REPORT**

1. HCMP Monitoring Report
2. Groundwater Model Calibration Update
3. Extensometer Progress

**C. CEO REPORT**

**IV. INFORMATION**

1. Cash Disbursements for April 2012 *(Page 278)*

**V. COMMITTEE MEMBER COMMENTS**

**VI. OTHER BUSINESS**

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster committee meeting for the purpose of discussion and possible action.

1. CEO/General Manager/Personnel Matters

**VIII. FUTURE MEETINGS AT WATERMASTER**

|                                  |                      |  |
|----------------------------------|----------------------|--|
| <del>Tuesday, May 22, 2012</del> | <del>9:00 a.m.</del> | <del>GRCC Meeting</del>                    |
| Thursday, May 24, 2012           | 11:00 a.m.           | Watermaster Board Meeting                  |
| <b>* Tuesday, May 29, 2012</b>   | <b>9:00 a.m.</b>     | <b>GRCC Meeting</b>                        |
| Thursday, June 7, 2012           | 10:00 a.m.           | CB RMPU Steering Comm. and Storage Mtg.    |
| Thursday, June 14, 2012          | 9:00 a.m.            | Appropriative Pool Meeting                 |
| Thursday, June 14, 2012          | 11:00 a.m.           | Non-Agricultural Pool Conference Call Mtg. |
| Thursday, June 14, 2012          | 1:30 p.m.            | Agricultural Pool Meeting                  |
| Thursday, June 21, 2012          | 9:00 a.m.            | Advisory Committee Meeting                 |
| Thursday, June 21, 2012          | 10:00 a.m.           | CB RMPU Steering Comm. and Storage Mtg.    |
| Thursday, June 28, 2012          | 11:00 a.m.           | Watermaster Board Meeting                  |

**\* NOTE: New date for the GRCC Meeting**

**Meeting Adjourn**

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# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR

### A. MINUTES

1. Special Confidential Watermaster Board Meeting held on April 12, 2012
2. Watermaster Board Meeting held on April 26, 2012



**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**WATERMASTER BOARD MEETING**

*April 12, 2012*

The Special Confidential Watermaster Board Meeting was held at the offices of the Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on April 12, 2012 at 2:30 p.m.

**WATERMASTER BOARD MEMBERS PRESENT**

|                                   |  |
|-----------------------------------|--|
| Bob Kuhn, Chair                   | Three Valleys Municipal Water District     |
| Jim Curatalo                      | Fontana Union Water Company                |
| Paula Lantz                       | City of Pomona                             |
| Terry Catlin                      | Inland Empire Utilities Agency             |
| Bob Bowcock (On conference phone) | Vulcan Materials Company (Calmat Division) |
| Charles Field                     | Western Municipal Water District           |
| Bill Kruger                       | City of Chino Hills                        |
| Paul Hofer                        | Agricultural Pool                          |
| Geoffrey Vanden Heuvel            | Agricultural Pool                          |

**WATERMASTER BOARD MEMBERS ABSENT**

|            |                                |
|------------|--------------------------------|
| Steve Elie | Inland Empire Utilities Agency |
|------------|--------------------------------|

**Others Present**

|                 |                                 |
|-----------------|---------------------------------|
| Jeff Pierson    | Ag Pool – Crops                 |
| Bob Feenstra    | Ag Pool – Dairy                 |
| Marty Zvirbulis | Cucamonga Valley Water District |

Chair Kuhn called the Watermaster Board meeting to order at 2:34

**AGENDA – ADDITIONS/REORDER**

No additions or reorders were made to the agenda.

The regular open Watermaster Board meeting was convened to hold its confidential session at 2:35

**I. CONFIDENTIAL SESSION**

**1. CEO Search**

Chair Kuhn adjourned the Watermaster Board meeting at 4:00 p.m.

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

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

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**DRAFT MINUTES**  
**CHINO BASIN WATERMASTER**  
**WATERMASTER BOARD MEETING**  
*April 26, 2012*

The Watermaster Board Meeting was held at the offices of the Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on April 26, 2012 at 11:00 a.m.

**WATERMASTER BOARD MEMBERS PRESENT**

|                        |  |
|------------------------|--|
| Bob Kuhn, Chair        | Three Valleys Municipal Water District     |
| Jim Curatalo           | Fontana Union Water Company                |
| Paula Lantz            | City of Pomona                             |
| Terry Catlin           | Inland Empire Utilities Agency             |
| Bob Bowcock            | Vulcan Materials Company (Calmat Division) |
| Charles Field          | Western Municipal Water District           |
| Bill Kruger            | City of Chino Hills                        |
| Paul Hofer             | Agricultural Pool                          |
| Geoffrey Vanden Heuvel | Agricultural Pool                          |

**WATERMASTER BOARD MEMBERS ABSENT**

|            |                                |
|------------|--------------------------------|
| Steve Elie | Inland Empire Utilities Agency |
|------------|--------------------------------|

**Watermaster Staff Present**

|                   |                               |
|-------------------|-------------------------------|
| Ken Jeske         | Interim CEO                   |
| Danielle Maurizio | Senior Engineer               |
| Joseph Joswiak    | Chief Financial Officer       |
| Gerald Greene     | Senior Environmental Engineer |
| Sherri Molino     | Recording Secretary           |

**Watermaster Consultants Present**

|              |                                     |
|--------------|-------------------------------------|
| Scott Slater | Brownstein, Hyatt, Farber & Schreck |
|--------------|-------------------------------------|

**Others Present**

|                        |  |
|------------------------|--|
| Jeff Pierson           | Ag Pool – Crops                        |
| Bob Feenstra           | Ag Pool – Dairy                        |
| Pete Hall              | Ag Pool – State of California – CIM    |
| Mark Kinsey            | Monte Vista Water District             |
| Sandra Rose            | Monte Vista Water District             |
| Justin Scott-Coe       | Monte Vista Water District             |
| Van Jew                | Monte Vista Irrigation Company         |
| Art Kidman             | McCormick, Kidman & Behrens            |
| David DeJesus          | Three Valleys Municipal Water District |
| Jo Lynne Russo-Pereyra | Cucamonga Valley Water District        |
| Hank Stoy              | Cucamonga Valley Water District        |
| Raul Garibay           | City of Pomona                         |
| Dave Crosley           | City of Chino                          |
| Scott Burton           | City of Ontario                        |
| Ron Craig              | City of Chino Hills                    |
| Mike Maestas           | City of Chino Hills                    |
| Nadeem Majaj           | City of Chino Hills                    |
| Sheri Rojo             | Fontana Water Company                  |
| Craig Miller           | Inland Empire Utilities Agency         |
| Chris Berch            | Inland Empire Utilities Agency         |

Curtis Paxton  
 Eunice Ulloa  
 Jack Safely  
 Eldon Horst  
 Tom Harder  
 Robert Tock  
 Ben Lewis  
 Norm Roberts

Chino Desalter Authority  
 Chino Basin Conservation District  
 Western Municipal Water District  
 Jurupa Community Services District  
 Jurupa Community Services District  
 Jurupa Community Services District  
 Golden State Water Company  
 Roberts Consulting

Chair Kuhn called the Watermaster Board meeting to order at 11:01 a.m.

### PLEDGE OF ALLEGIANCE

### AGENDA - ADDITIONS/REORDER

There were no additions or reorders made to the agenda.

## I. CONSENT CALENDAR

### A. MINUTES

1. Minutes of the Watermaster Board Meeting held March 22, 2012

### B. FINANCIAL REPORTS

1. Cash Disbursements for the month of February 2012
2. Watermaster VISA Check Detail for the month of February 2012
3. Combining Schedule for the Period July 1, 2011 through February 29, 2012
4. Treasurer's Report of Financial Affairs for the Period February 1, 2012 through February 29, 2012
5. Budget vs. Actual Report for the Period July 1, 2011 through February 29, 2012

### C. WATER TRANSACTION

1. **Consider Approval for Notice of Sale or Transfer** – The lease and/or purchase of 2.372 acre-feet of water from San Antonio Water Company to Monte Vista Water District as a method of utilizing its SAWCO shares. This lease is made first from San Antonio's net underproduction in FY 2011-2012, with any remainder to be recaptured from storage. Date of application: February 9, 2012

2. **Consider Approval for Notice of Sale or Transfer** – The lease and/or purchase of 500.000 acre-feet of water from San Antonio Water Company to Monte Vista Water District. This lease is made first from San Antonio's net underproduction in FY 2011-2012, with any remainder to be recaptured from storage. Date of application: February 14, 2012

*Motion by Vanden Heuvel, second by Catlin, and by unanimous vote*

***Moved to approve Consent Calendar items A through C, as presented***

## II. BUSINESS ITEMS

### A. WATERMASTER INVESTMENT POLICY

Mr. Jeske stated this item is the proposed amendment to the Watermaster Investment Policy to allow additional potential for investment with CalTRUST. Mr. Jeske stated every investment has a risk; however, this one has hardly a risk at all and has a slightly better rate of return and Watermaster is only doing short term investments. Mr. Jeske stated as the process for the reserves was being worked out, this item was recommended by some of the parties that Watermaster staff look at additional investment options. Mr. Jeske stated this item has been unanimously approved by all three Pools and the Advisory Committee. Mr. Field inquired as to how much Watermaster has in its short term investment pool. Mr. Jeske stated there are varied amounts during the time of the year, which is why we need to keep in short term. Mr. Joswiak stated there is approximately \$6.5M.

*Motion by Curatalo, second by Catlin, and by unanimous vote*

***Moved to approve the Watermaster Investment Policy to Include Investment Trust of California (CalTRUST), as presented***

**B. WATERMASTER RESOLUTION 12-04 APPROVING MEMBERSHIP IN THE ACWA JOINT POWERS AUTHORITY**

Mr. Jeske stated this item is a straight forward action; Watermaster currently uses the ACWA health benefits program. Mr. Jeske stated ACWA has reformed and changed their name, and staff needs to pass a new resolution using the new name of the organization; there is no change to the health benefits or the cost of the health benefits.

*Motion by Catlin, second by Bowcock, and by unanimous vote*

***Moved to approve Watermaster Resolution 12-04 approving membership in the ACWA Joint Powers Authority and to direct staff to execute all necessary documents, as presented***

**III. REPORTS/UPDATES**

**A. LEGAL REPORT**

1. Restated Judgment

Counsel Slater stated this is just an update as we are presently working on the final settlement for the Paragraph 31 motion and this item is on hold until that task is complete. Counsel Slater stated there has been concern expressed about the mechanics of how Watermaster would file the Restated Judgment, and rather than incur unwanted adversarial proceedings, we thought it best to place a pause on this item. Counsel Slater stated there are three things involved in the Restated Judgment, the first is giving the court what it wanted which was a modern articulation of the entire Judgment with all the amendments, the second was trying to annotate for the Board and public purposes that the Judgment and Peace Agreements have an integrated document, and finally there is some work to be done on the Rules and Regulations which have fallen out of date and needs to be updated. Chair Kuhn inquired if this has been vetted. Counsel Slater stated the Restated Judgment has been circulated and signed off by members of the Appropriative Pool and the Agricultural Pool but Watermaster did not have a formal sign-off from the counsel from the Agricultural Pool. Counsel Slater stated the Non-Agricultural Pool agreed that it would be forwarded to the court but with the understanding that it was not to be used as the official version, and they requested a stipulation that the restated version not be the official version; however, when it got to the judge, the judge said he wanted it for the official version. Counsel Slater stated, in having subsequent conversations with counsel for the Non-Agricultural Pool, they continue with reservations about Watermaster filing this as the official version. They have concerns over the expense to be incurred in doing the due diligence to know whether all of the edits and changes that have occurred since 1978 are in it and the fear that something was missed. Counsel Slater stated, in his opinion, it was best to a break from this and remove some of the pressure to allow us to come to resolution on the Paragraph 31, and then sit down with the Non-Agricultural Pool and see whether it is possible for us to come to an agreement without trying to create an adversarial hearing over something which was intended to be a useful document for the Board and public to have, and particularly the Judge who has asked for it. Counsel Slater stated this item will come back shortly with a recommendation.

2. Extension of Time for San Sevaine Project State Water Resources Control Board Permit 20753

Counsel Slater stated Watermaster holds in trust for all of the Watermaster parties three separate storm water recharge permits that are issued by the State Water Resources Control Board. Counsel Slater stated there is a Day Creek permit, a San Sevaine permit, and the last is a catch-all permit which covers all the recharge basins within the Chino Basin. Counsel Slater stated the San Sevaine permit was set to expire at the end of 2010, and in the fall of 2010 Watermaster submitted a petition for an extension of time to make

that full beneficial use. Counsel Slater stated at that time Watermaster asked for the extension through 2057 which is the deadline for full beneficial use under Watermaster's permit. Counsel Slater stated Watermaster recently received a copy of a draft extension from the State Board staff; this is now being reviewed and it appears that request will be granted within the next month. Counsel Slater stated this will mean that Watermaster's recharge permits will have deadlines for full beneficial use in 2057. Counsel Slater stated the third permit, which is the Day Creek permit, is still in the process of having its extension approved for that same 2057 date. Counsel Slater stated he expects finalization of this order and then its issuance in the next 60 days.

3. Paragraph 31 Motion

Counsel Slater stated it was reported out of the last Board meeting that the Watermaster Board approved a settlement for Paragraph 31. A final draft of the settlement agreement was circulated, and it has been approved by counsel for each of the three parties as to form. It has been executed and approved by a great number of parties, including signatures required by the Non-Agricultural Pool have been achieved, and our intention is to implement that. Counsel Slater stated one of the conditions that the Board required before authorizing the Chair to execute the agreement was that the Appropriative Pool, as a Pool, approve the settlement because you are making an unconditional agreement to tender funds to the Non-Agricultural Pool and that is dependent on performance by the Appropriative Pool. Counsel Slater stated it has not been presented to Chairman Kuhn today to execute the document because the Appropriative Pool has not yet formally authorized execution. Counsel Slater stated there is no issue in terms of what the terms of the settlement mean and again, there is some that is approved as to form but there have been questions raised on how staff will implement the agreement. Counsel Slater stated counsel has proposed that counsel for the three entities sign off on a set of affectively escrow instructions on how the agreement will be implemented; counsel has offered to prepare this and then have counsel from the Non-Agricultural Pool and the Appropriative Pool say yes, that it is appropriate and hopefully that or something similar to that document gets us to a position where the Appropriative Pool feels comfortable in signing off on it, and staff has the comfort of knowing how they are supposed to implement the legal language over the next three or four years. Counsel Slater stated in his opinion the case is settled and the terms are known. Chair Kuhn thanked counsel.

**B. CEO/STAFF REPORT**

1. Recharge Master Plan Update/Storage Issues Review Process

Mr. Jeske stated this is an update on the Recharge Master Plan Update. Mr. Jeske stated there was a workshop held last week on the draft sections 1-4. Mr. Jeske stated staff has received comments on that and noted tomorrow is the last day to submit comments. Mr. Jeske stated the draft is being put together by legal for the filing and our engineering consultants will incorporate, as necessary, any comments that are received through tomorrow. Mr. Jeske stated it looks like we are on track with this item to bring the final draft through the Watermaster process starting in May, which will allow us to meet our court deadlines.

2. OBMP Semi Annual Status Report 2011-2

Mr. Jeske stated the Semi Annual report is provided in the meeting package.

3. Fiscal Year 2012/2013 Watermaster Budget

Mr. Jeske stated there is a budget workshop on the 2012/2013 Watermaster budget scheduled for 1:30 p.m. today, and he asked if parties are going to be around it would be beneficial for them to stay for the workshop. Mr. Jeske stated staff is looking at bringing a proposed budget through the Watermaster process at the May meetings, which would provide opportunity to offer comments and then bring the budget back for adoption in the June meetings. Mr. Jeske stated he would like to discuss two additional items with regard to the budget. Mr. Jeske stated the Watermaster Board had previously approved, in

December 2011, approximately \$166,000 for work at the Turner Basin which was done by entering into a not-to-exceed agreement for that amount with IEUA. Mr. Jeske stated in order to accomplish this staff used the recharge capital budget for this work; those are dollars that come in for safe yield. Mr. Jeske stated the capital costs that were budgeted in that line item for this year are lower this year due to lower financing costs, so staff has used that difference between what staff expect our cost to be this year and what staff has already budgeted and assessed to fund this project. Mr. Jeske stated if all the work is not completed and all the invoicing in, that is the not-to-exceed amount on the contract, staff will be able to carry over that expense without any further need for assessments through our new Reserve Policy. Mr. Jeske stated staff found that in 2007 Watermaster had approved the Hickory Basin project. Mr. Jeske stated due to a number of reviews with the Flood Control District and others, that work is just now completing and the final invoicing is getting ready to come in. Unfortunately, because of our prior policies there was no way of carrying those expenses over. Mr. Jeske stated this work has been fully authorized and contracted for so staff will be using that same capital reserve budget for that same type of similar work. Mr. Jeske stated there is enough savings this year, on the financing on that, to accomplish both of those projects; staff will then be able to pay the balance which is approximately \$31,000.

Mr. Vanden Heuvel inquired where in the budget process is the discussion about what Watermaster pays for replenishment water when you have an overproducer that needs to be replenished for. Mr. Jeske stated that is really not part of the budget process because it's not calculated into the administrative and OBMP assessments. Mr. Jeske stated typically that would be something that would be necessary to do at the time of the assessment package that is typically done in the October/November timeframe. Mr. Jeske stated that would be the time to discuss the price we are paying for water for parties that overproduce. Mr. Vanden Heuvel stated he was surprised to see the costs we were paying for replenishment water in this last round of purchases, which prompted a call to Watermaster. Mr. Vanden Heuvel stated it seems there should be some discussion on this matter and Watermaster might want to think about creating a more competitive environment. Mr. Vanden Heuvel stated he would like to see some sort of staff report on this matter in the future. Mr. Jeske stated he would like to take some time to work on the staff report. Mr. Jeske offered comment on the water auction and long term deals on water. Mr. Jeske stated what we are talking about is replenishment and we can put a workshop together for this. Mr. Vanden Heuvel stated this is important and we need to look at this. A discussion regarding this matter ensued. Counsel Slater offered final comments on this matter.

#### **IV. INFORMATION**

1. Cash Disbursements for March 2012  
No comment was made.

#### **V. COMMITTEE MEMBER COMMENTS**

##### **A. JURUPA COMMUNITY SERVICES DISTRICT PRESENTATION**

1. Hydrologic Imbalance in Management Zone-3 of the Chino Basin

Mr. Jeske stated this presentation was put together and is being given at the request of Jurupa Community Services District (JCSD). Mr. Jeske noted this presentation is also provided in the meeting package. Mr. Horst introduced Mr. Robert Tock and Mr. Tom Harder and noted Mr. Harder will be giving the Hydrologic Imbalance in Management Zone 3 of the Chino Basin. Mr. Horst stated this presentation was given to the Chino Desalter Authority and to the three Watermaster Pools earlier this month; the Advisory Committee passed on hearing the presentation at their meeting. Mr. Horst introduced this item and offered the history of JCSD, discussed what is currently taking place regarding this matter, and the recharge imbalance concerns. Mr. Harder gave the presentation in detail. Mr. Vanden Heuvel thanked Mr. Harder and JCSD for all the effort that was put into educating all of the parties. Mr. Vanden Heuvel inquired about wet water recharge and

having sustainable production in the area presented. Mr. Harder stated all options are on the table right now and one of the things that we are waiting for is an analysis from Mark Wildermuth for the groundwater flow model. Mr. Harder stated the analysis is going to answer the key question, which is how much additional recharge do we need, or in other words, what is the shortfall for the imbalance, and once we have a handle on what that is we can put together the menu of things that we need to do to do that. Mr. Harder stated right now it looks like it may be a combination of wet water recharge, and they may have to be some pumping redistribution, we may need to look at things like in lieu and we are also looking at ASR recharge.

**VI. OTHER BUSINESS**

No comment was made.

The regular open Watermaster Board meeting was convened to hold its confidential session at 11:43 a.m.

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster committee meeting for the purpose of discussion and possible action.

- 1. CEO Recruitment
- 2. Paragraph 31 Motion
- Added 3. Personnel Issues

Counsel Slater stated the action from the confidential session is the Board took action to proceed with publication for the recruitment of the new Watermaster General Manager.

The confidential session concluded at 12:19 p.m.

**VIII. FUTURE MEETINGS AT WATERMASTER**

|                          |            |  |
|--------------------------|------------|--|
| Thursday, April 26, 2012 | 9:00 a.m.  | Land Subsidence Committee Meeting          |
| Thursday, April 26, 2012 | 11:00 a.m. | Watermaster Board Meeting                  |
| Thursday, April 26, 2012 | 1:30 p.m.  | Watermaster FY 2012/2013 Budget Workshop   |
| Thursday, May 3, 2012    | 10:00 a.m. | CB RMPU Steering Comm. and Storage Mtg.    |
| Thursday, May 10, 2012   | 9:00 a.m.  | Appropriative Pool Meeting                 |
| Thursday, May 10, 2012   | 11:00 a.m. | Non-Agricultural Pool Conference Call Mtg. |
| Thursday, May 10, 2012   | 1:30 p.m.  | Agricultural Pool Meeting                  |
| Thursday, May 17, 2012   | 9:00 a.m.  | Advisory Committee Meeting                 |
| Thursday, May 17, 2012   | 10:00 a.m. | CB RMPU Steering Comm. and Storage Mtg.    |
| Tuesday, May 22, 2012    | 9:00 a.m.  | GRCC Meeting                               |
| Thursday, May 24, 2012   | 11:00 a.m. | Watermaster Board Meeting                  |

Chair Kuhn adjourned the Watermaster Board meeting at 12:20 p.m.

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

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



# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR

### **B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of March 2012
2. Watermaster VISA Check Detail for the month of March 2012
3. Combining Schedule for the Period July 1, 2011 through March 31, 2012
4. Treasurer's Report of Financial Affairs for the Period March 1, 2012 through March 31, 2012
5. Budget vs. Actual Report for the Period March 1, 2011 through March 31, 2012





# CHINO BASIN WATERMASTER

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

## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Cash Disbursement Report – Financial Report B1

### SUMMARY

**Issue** – Record of cash disbursements for the month of March 2012.

**Recommendation** – Staff recommends the Cash Disbursements for March 2012 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2011-2012 Watermaster Budget.

### BACKGROUND

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

### DISCUSSION

Total cash disbursements during the month of March 2012 were \$835,401.41. The most significant expenditures during the month were to Chino Basin Desalter Authority in the amount of \$295,200.00 (check number 15880 dated March 8, 2012), Wildermuth Environmental, Inc. in the amount of \$241,770.21 (check number 15923 dated March 21, 2012) and Brownstein Hyatt Farber Schreck in the amount of \$51,223.78 (check number 15922 dated March 21, 2012).

### Actions:

- May 10, 2012 Appropriative Pool – Approved unanimously
- May 10, 2012 Non-Agricultural Pool – Moved to receive and file without approval
- May 10, 2012 Agricultural Pool – Approved unanimously
- May 17, 2012 Advisory Committee – Approved unanimously
- May 24, 2012 Watermaster Board –

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

Financial Report - B1

| Type            | Date       | Num                | Name                                | Memo   | Account                              | Paid Amount |
|-----------------|------------|--------------------|-------------------------------------|--|--------------------------------------|-------------|
| Bill Pmt -Check | 03/01/2012 | 15838              | A&R BRIDGESTONE FIRESTONE AUTO CARE | 3-3086   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 3-3086             |                                     | Field truck maintenance                          | 6177 · Vehicle Repairs & Maintenance | 248.68      |
| TOTAL           |            |                    |                                     |  |                                      | 248.68      |
| Bill Pmt -Check | 03/01/2012 | 15839              | ACWA SERVICES CORPORATION           | 00198  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 00198              |                                     | Prepayment - March 2012                          | 1409 · Prepaid Life, BAD&D & LTD     | 137.82      |
|                 |            |                    |                                     | February 2012                                    | 60191 · Life & Disab.Ins Benefits    | 131.90      |
| TOTAL           |            |                    |                                     |  |                                      | 269.72      |
| Bill Pmt -Check | 03/01/2012 | 15840              | APPLIED COMPUTER TECHNOLOGIES       | 2046   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 2046               |                                     | Database Services - February 2012                | 6052.2 · Applied Computer Technol    | 2,309.10    |
| TOTAL           |            |                    |                                     |  |                                      | 2,309.10    |
| Bill Pmt -Check | 03/01/2012 | 15841              | ARROWHEAD MOUNTAIN SPRING WATER     | 0023230253                                       | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 0023230253         |                                     | Office Water Bottle - February 2012              | 6031.7 · Other Office Supplies       | 38.90       |
| TOTAL           |            |                    |                                     |  |                                      | 38.90       |
| Bill Pmt -Check | 03/01/2012 | 15842              | BOWCOCK, ROBERT                     | 2/23/12 Board Meeting                            | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/23/2012 | 2/23 Board Meeting |                                     | 2/23/12 Board Meeting                            | 6311 · Board Member Compensation     | 125.00      |
| TOTAL           |            |                    |                                     |  |                                      | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15843              | CALPERS                             | 1394905143                                       | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 1394905143         |                                     | Medical Insurance Premium - March 2012           | 60182.1 · Medical Insurance          | 5,548.88    |
| TOTAL           |            |                    |                                     |  |                                      | 5,548.88    |
| Bill Pmt -Check | 03/01/2012 | 15844              | CALPERS 457 PLAN                    | Payroll and Taxes for 02/05/12-02/18/12          | 1012 · Bank of America Gen'l Ckg     |             |
| General Journal | 02/18/2012 | 02/18/2012         | CALPERS 457 PLAN                    | Employee 457 Deductions for 02/05/12-02/18/12    | 2000 · Accounts Payable              | 11,435.10   |
| TOTAL           |            |                    |                                     |  |                                      | 11,435.10   |
| Bill Pmt -Check | 03/01/2012 | 15845              | COMPUTER NETWORK                    |  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/16/2012 | 83544              |                                     | Supplies for plotter - printheads and cartridges | 6031.7 · Other Office Supplies       | 744.55      |
| Bill            | 02/16/2012 | 83536              |                                     | Keyboard for board room                          | 6031.7 · Other Office Supplies       | 98.59       |
| Bill            | 02/28/2012 | 83654              |                                     | Backup drives                                    | 6055 · Computer Hardware             | 513.97      |
| Bill            | 02/28/2012 | 83655              |                                     | Adobe acrobat software                           | 6054 · Computer Software             | 322.17      |
| TOTAL           |            |                    |                                     |  |                                      | 1,679.28    |
| Bill Pmt -Check | 03/01/2012 | 15846              | CORELOGIC INFORMATION SOLUTIONS     | 80418279   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 80418279           |                                     | 80418279   | 7103.7 · Grdwtr Qual-Computer Svc    | 62.50       |
|                 |            |                    |                                     | 80418279   | 7101.4 · Prod Monitor-Computer       | 62.50       |
| TOTAL           |            |                    |                                     |  |                                      | 125.00      |

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

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| Type            | Date       | Num              | Name                                 | Memo                                    | Account                              | Paid Amount |
|-----------------|------------|------------------|--------------------------------------|---|--------------------------------------|-------------|
| Bill Pmt -Check | 03/01/2012 | 15847            | CURATALO, JAMES                      | 2/23/12 Board Meeting                   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/23/2012 | 2/23 Board mtg   |                                      | 2/23/12 Board Meeting                   | 6311 · Board Member Compensation     | 125.00      |
| TOTAL           |            |                  |                                      |   |                                      | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15848            | DE BOOM, NATHAN                      | AG Pool Member Meeting Compensation     | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg |                                      | 2/09/12 Ag Pool Meeting                 | 8411 · Compensation                  | 25.00       |
|                 |            |                  |                                      | AG Pool Member Meeting Compensation     | 8470 · Ag Meeting Attend -Special    | 100.00      |
| TOTAL           |            |                  |                                      |   |                                      | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15849            | DIRECTV                              | 019447404                               | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 019447404        |                                      | Office connection for 2/19/12 - 3/18/12 | 6031.7 · Other Office Supplies       | 86.99       |
| TOTAL           |            |                  |                                      |   |                                      | 86.99       |
| Bill Pmt -Check | 03/01/2012 | 15850            | DURRINGTON, GLEN                     | AG POOL MEMBER COMPENSATION             | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg |                                      | 2/09/12 Ag Pool Meeting                 | 8411 · Compensation                  | 25.00       |
|                 |            |                  |                                      | AG Pool Member Meeting Compensation     | 8470 · Ag Meeting Attend -Special    | 100.00      |
| TOTAL           |            |                  |                                      |   |                                      | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15851            | ELIE, STEVEN                         | 2/23/12 Board Meeting                   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/23/2012 | 2/23 Board Mtg   |                                      | 2/23/12 Board Meeting                   | 6311 · Board Member Compensation     | 125.00      |
| TOTAL           |            |                  |                                      |   |                                      | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15852            | FEENSTRA, BOB                        |   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg |                                      | 2/09/12 Ag Pool Meeting                 | 8411 · Compensation                  | 25.00       |
|                 |            |                  |                                      | 2/09/12 Ag Pool Meeting                 | 8470 · Ag Meeting Attend -Special    | 100.00      |
| Bill            | 02/23/2012 | 2/23 Board Mtg   |                                      | 2/23/12 Board Meeting                   | 8411 · Compensation                  | 25.00       |
|                 |            |                  |                                      | 2/23/12 Board Meeting                   | 8470 · Ag Meeting Attend -Special    | 100.00      |
| TOTAL           |            |                  |                                      |   |                                      | 250.00      |
| Bill Pmt -Check | 03/01/2012 | 15853            | GEOSCIENCE SUPPORT SERVICES, INC.    | 4555-11-02                              | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 4555-11-02       |                                      | October1, 2011 to January 31, 2012      | 7107.6 · Grd Level-Contract Svcs     | 3,295.00    |
| TOTAL           |            |                  |                                      |   |                                      | 3,295.00    |
| Bill Pmt -Check | 03/01/2012 | 15854            | GROOMAN'S PUMP & WELL DRILLING, INC. |   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/10/2012 | 12971            |                                      | 12971                                   | 7102.8 · In-line Meter-Callib & Test | 1,023.54    |
| Bill            | 02/10/2012 | 12970            |                                      | 12970                                   | 7102.7 · In-line Meter               | 796.88      |
| TOTAL           |            |                  |                                      |   |                                      | 1,820.42    |
| Bill Pmt -Check | 03/01/2012 | 15855            | HALL, PETE*                          |   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg |                                      | 2/09/12 Ag Pool Meeting                 | 8411 · Compensation                  | 25.00       |

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

| Type                   | Date       | Num                 | Name                           | Memo   | Account  | Paid Amount     |
|------------------------|------------|---------------------|--------------------------------|--|--|-----------------|
| Bill                   | 02/16/2012 | 2/16 Advisory Comm  |                                | AG Pool Member Meeting Compensation<br>2/16/12 Advisory Committee Meeting        | 8470 · Ag Meeting Attend -Special<br>8411 · Compensation | 100.00<br>25.00 |
| Bill                   | 02/16/2012 | 2/16 LSCCommittee   |                                | AG Pool Member Meeting Compensation<br>2/16/12 Land Subsidence Committee Meeting | 8470 · Ag Meeting Attend -Special<br>8411 · Compensation | 100.00<br>25.00 |
| Bill                   | 02/23/2012 | 2/23 Board Mtg      |                                | AG Pool Member Meeting Compensation<br>2/23/12 Board Meeting                     | 8470 · Ag Meeting Attend -Special<br>8411 · Compensation | 100.00<br>25.00 |
|                        |            |                     |                                | AG Pool Member Meeting Compensation  | 8470 · Ag Meeting Attend -Special                        | <u>100.00</u>   |
| TOTAL                  |            |                     |                                |  |  | 500.00          |
| Bill Pmt -Check        | 03/01/2012 | 15856               | HOGAN LOVELLS                  | 2644389  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/08/2012 | 2644389             |                                | Non-Ag Pool Legal Services - January 2012  | 8567 · Non-Ag Legal Service                              | 6,853.69        |
| TOTAL                  |            |                     |                                |  |  | <u>6,853.69</u> |
| Bill Pmt -Check        | 03/01/2012 | 15857               | HUITSING, JOHN                 | Ag Pool Member Compensation  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/09/2012 | 2/09 Ag Pool Mtg    |                                | 2/09/12 Ag Pool Meeting  | 8411 · Compensation                                      | 25.00           |
|                        |            |                     |                                | Ag Pool Member Compensation  | 8470 · Ag Meeting Attend -Special                        | 100.00          |
| TOTAL                  |            |                     |                                |  |  | <u>125.00</u>   |
| P13<br>Bill Pmt -Check | 03/01/2012 | 15858               | INLAND EMPIRE UTILITIES AGENCY | 90009223   | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/28/2012 | 90009223            |                                | 90009223   | 8456 · IEUA Readiness To Serve                           | 552.90          |
| TOTAL                  |            |                     |                                |  |  | <u>552.90</u>   |
| Bill Pmt -Check        | 03/01/2012 | 15859               | JAMES JOHNSTON                 | 253  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/28/2012 | 253                 |                                | Website Maintenance - February 2012  | 6052.3 · Website Consulting                              | 810.00          |
| TOTAL                  |            |                     |                                |  |  | <u>810.00</u>   |
| Bill Pmt -Check        | 03/01/2012 | 15860               | KRUGER, W. C. "BILL"           |  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/16/2012 | 2/16 LSC Committee  |                                | 2/16/12 Land Subsidence Committee Meeting  | 6311 · Board Member Compensation                         | 125.00          |
| Bill                   | 02/23/2012 | 2/23 Board Mtg      |                                | 2/23/12 Board Meeting  | 6311 · Board Member Compensation                         | 125.00          |
| TOTAL                  |            |                     |                                |  |  | <u>250.00</u>   |
| Bill Pmt -Check        | 03/01/2012 | 15861               | KUHN, BOB                      |  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/06/2012 | 2/06 Personnel Comm |                                | 2/06/12 Personnel Committee Meeting  | 6311 · Board Member Compensation                         | 125.00          |
| Bill                   | 02/09/2012 | 2/09 Appro Pool Mtg |                                | 2/09/12 Appropriative Pool Meeting   | 6311 · Board Member Compensation                         | 125.00          |
| Bill                   | 02/23/2012 | 2/23 Board Mtg      |                                | 2/23/12 Board Meeting  | 6311 · Board Member Compensation                         | 125.00          |
| Bill                   | 02/28/2012 | 2/28 Admin Mtg      |                                | 2/28/12 Administrative Meeting   | 6311 · Board Member Compensation                         | 125.00          |
| TOTAL                  |            |                     |                                |  |  | <u>500.00</u>   |
| Bill Pmt -Check        | 03/01/2012 | 15862               | LANTZ, PAULA                   |  | 1012 · Bank of America Gen'l Ckg                         |                 |
| Bill                   | 02/06/2012 | 2/06 Personnel Comm |                                | 2/06/12 Personnel Committee Meeting  | 6311 · Board Member Compensation                         | 125.00          |
| Bill                   | 02/09/2012 | 2/09 App Pool Mtg   |                                | 2/09/12 Appropriative Pool Meeting   | 6311 · Board Member Compensation                         | 125.00          |

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

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| Type            | Date       | Num                | Name                                | Memo  | Account                             | Paid Amount |
|-----------------|------------|--------------------|-------------------------------------|---|-------------------------------------|-------------|
| Bill            | 02/23/2012 | 2/23 Board Mtg     |                                     | 2/23/12 Board Meeting                         | 6311 · Board Member Compensation    | 125.00      |
| TOTAL           |            |                    |                                     |   |                                     | 375.00      |
| Bill Pmt -Check | 03/01/2012 | 15863              | LEGAL SHIELD                        | 111802  | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/28/2012 | 111802             |                                     | Employee Deductions - February 2012           | 60194 · Other Employee Insurance    | 51.80       |
| TOTAL           |            |                    |                                     |   |                                     | 51.80       |
| Bill Pmt -Check | 03/01/2012 | 15864              | MCCALL'S METER SALES & SERVICE      | 22018   | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/10/2012 | 22018              |                                     | 22018   | 7102.5 · In-line Meter-Computer     | 2,057.40    |
|                 |            |                    |                                     | 22018   | 7102.8 · In-line Meter-Calib & Test | 1,350.00    |
| TOTAL           |            |                    |                                     |   |                                     | 3,407.40    |
| Bill Pmt -Check | 03/01/2012 | 15865              | PARK PLACE COMPUTER SOLUTIONS, INC. | 459   | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/29/2012 | 459                |                                     | IT Services - February 2012                   | 6052.1 · Park Place Comp Solutn     | 2,400.00    |
| TOTAL           |            |                    |                                     |   |                                     | 2,400.00    |
| Bill Pmt -Check | 03/01/2012 | 15866              | PIERSON, JEFFREY                    |   | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg   |                                     | 2/09/12 Ag Pool Meeting                       | 8411 · Compensation                 | 25.00       |
|                 |            |                    |                                     | 2/09/12 Ag Pool Meeting                       | 8470 · Ag Meeting Attend -Special   | 100.00      |
| Bill            | 02/16/2012 | 2/16 Advisory Comm |                                     | 2/16/12 Advisory Committee Meeting            | 8411 · Compensation                 | 25.00       |
|                 |            |                    |                                     | 2/16/12 Advisory Committee Meeting            | 8470 · Ag Meeting Attend -Special   | 100.00      |
| Bill            | 02/23/2012 | 2/23 Board Mtg     |                                     | 2/23/12 Board Meeting                         | 8411 · Compensation                 | 25.00       |
|                 |            |                    |                                     | 2/23/12 Board Meeting                         | 8470 · Ag Meeting Attend -Special   | 100.00      |
| TOTAL           |            |                    |                                     |   |                                     | 375.00      |
| Bill Pmt -Check | 03/01/2012 | 15867              | PREMIERE GLOBAL SERVICES            | 10569878                                      | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/28/2012 | 10569878           |                                     | Conference call - 01/03/12                    | 6022 · Telephone                    | 97.50       |
|                 |            |                    |                                     | Assessment package workshop call - 01/05/12   | 6022 · Telephone                    | 56.08       |
|                 |            |                    |                                     | NonAg Pool meeting conference call - 01/12/12 | 8512 · Meeting Expense              | 228.02      |
|                 |            |                    |                                     | CCWF conference call - 01/17/12               | 7103.6 · Grdwtr Qual-Supplies       | 74.78       |
|                 |            |                    |                                     | Monthly service charges                       | 6022 · Telephone                    | 25.48       |
| TOTAL           |            |                    |                                     |   |                                     | 481.86      |
| Bill Pmt -Check | 03/01/2012 | 15868              | PRINTING RESOURCES                  | 57753   | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/28/2012 | 57753              |                                     | Nameplate for Brad Herrema                    | 6031.7 · Other Office Supplies      | 28.44       |
| TOTAL           |            |                    |                                     |   |                                     | 28.44       |
| Bill Pmt -Check | 03/01/2012 | 15869              | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493                                   | 1012 · Bank of America Gen'l Ckg    |             |
| Bill            | 02/29/2012 | 139405143          |                                     | Survivor Benefit FY 2011-2012 premium         | 60180 · Employers PERS Expense      | 468.00      |
| TOTAL           |            |                    |                                     |   |                                     | 468.00      |

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
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| Type            | Date       | Num                | Name                                | Memo  | Account                           | Paid Amount |
|-----------------|------------|--------------------|-------------------------------------|---|-----------------------------------|-------------|
| Bill Pmt -Check | 03/01/2012 | 15870              | SFTCHOICE                           | 2936561                                       | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/28/2012 | 2936561            |                                     | Volume License Agreement Renewal-Software     | 6054 · Computer Software          | 2,791.04    |
| TOTAL           |            |                    |                                     |   |                                   | 2,791.04    |
| Bill Pmt -Check | 03/01/2012 | 15871              | STANDARD INSURANCE CO.              | Policy # 00-640888-0009                       | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/28/2012 | 00-640888-0009     |                                     | Life and AD&D - Policy # 00-640888-0009       | 60191 · Life & Disab.Ins Benefits | 539.66      |
| TOTAL           |            |                    |                                     |   |                                   | 539.66      |
| Bill Pmt -Check | 03/01/2012 | 15872              | STAPLES BUSINESS ADVANTAGE          | 8021092245                                    | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/18/2012 | 8021092245         |                                     | Copy paper                                    | 6031.1 · Copy Paper               | 183.96      |
|                 |            |                    |                                     | Miscellaneous office supplies                 | 6031.7 · Other Office Supplies    | 23.70       |
| TOTAL           |            |                    |                                     |   |                                   | 207.66      |
| Bill Pmt -Check | 03/01/2012 | 15873              | STATE COMPENSATION INSURANCE FUND   | 1970970-11                                    | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/28/2012 | 1970970-11         |                                     | Workers Comp Premium - February 2012          | 60183 · Worker's Comp Insurance   | 1,359.70    |
| TOTAL           |            |                    |                                     |   |                                   | 1,359.70    |
| Bill Pmt -Check | 03/01/2012 | 15874              | UNITED HEALTHCARE                   | 0026926184                                    | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/28/2012 | 0026926184         |                                     | Dental Premium - March 2012                   | 60182.2 · Dental & Vision Ins     | 447.47      |
| TOTAL           |            |                    |                                     |   |                                   | 447.47      |
| Bill Pmt -Check | 03/01/2012 | 15875              | VANDEN HEUVEL, GEOFFREY             | 6311  | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg   |                                     | 2/09/12 Ag Pool Meeting                       | 6311 · Board Member Compensation  | 125.00      |
| Bill            | 02/23/2012 | 2/23 Board Mtg     |                                     | 2/23/12 Board Meeting                         | 6311 · Board Member Compensation  | 125.00      |
| TOTAL           |            |                    |                                     |   |                                   | 250.00      |
| Bill Pmt -Check | 03/01/2012 | 15876              | VANDEN HEUVEL, ROB                  | AG POOL MEMBER COMPENSATION                   | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/09/2012 | 2/09 Ag Pool Mtg   |                                     | 2/09/12 Ag Pool Meeting                       | 8411 · Compensation               | 25.00       |
|                 |            |                    |                                     | Ag Pool Member Compensation                   | 8470 · Ag Meeting Attend -Special | 100.00      |
| TOTAL           |            |                    |                                     |   |                                   | 125.00      |
| Bill Pmt -Check | 03/01/2012 | 15877              | VERIZON                             | 012561121521714508                            | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/29/2012 | 012561121521714508 |                                     | 012561121521714508                            | 7405 · PE4-Other Expense          | 168.47      |
| TOTAL           |            |                    |                                     |   |                                   | 168.47      |
| Bill Pmt -Check | 03/01/2012 | 15878              | VISION SERVICE PLAN                 | 00-101789-0001                                | 1012 · Bank of America Gen'l Ckg  |             |
| Bill            | 02/28/2012 | 001017890001       |                                     | Vision Insurance Premium - March 2012         | 60182.2 · Dental & Vision Ins     | 26.71       |
| TOTAL           |            |                    |                                     |   |                                   | 26.71       |
| Bill Pmt -Check | 03/01/2012 | 15879              | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493                                   | 1012 · Bank of America Gen'l Ckg  |             |
| General Journal | 02/18/2012 | 02/18/2012         | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | 457 Employee Deductions for 02/05/12-02/18/12 | 2000 · Accounts Payable           | 8,086.11    |

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TOTAL

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|       | <u>Type</u>     | <u>Date</u> | <u>Num</u>       | <u>Name</u>                             | <u>Memo</u>                                | <u>Account</u>                          | <u>Paid Amount</u> |
|-------|-----------------|-------------|------------------|---|--|---|--------------------|
| TOTAL |                 |             |                  |   |  |   | 8,086.11           |
|       | General Journal | 03/03/2012  | 03/03/2012       | Payroll and Taxes for 02/19/12-03/03/12 | Payroll and Taxes for 02/19/12-03/03/12    | 1012 · Bank of America Gen'l Ckg        |                    |
|       |                 |             |                  |   | Payroll Taxes for 02/19/12-03/03/12        | 1012 · Bank of America Gen'l Ckg        | 10,208.30          |
|       |                 |             |                  |   | Direct Deposits for 02/19/12-03/03/12      | 1012 · Bank of America Gen'l Ckg        | 26,892.76          |
|       |                 |             |                  |   |  |   | <u>37,101.06</u>   |
|       | Bill Pmt -Check | 03/08/2012  | 15880            | CHINO BASIN DESALTER AUTHORITY*         | 1800000097                                 | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/28/2012  | 1800000097       |   | Horizontal Extensometer - Progress Pymnt   | 7107.7 · Grd Level-Extensometer Install | 295,200.00         |
| TOTAL |                 |             |                  |   |  |   | <u>295,200.00</u>  |
|       | Bill Pmt -Check | 03/12/2012  | 15881            | ACWA SERVICES CORPORATION               | 00198                                      | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 03/06/2012  | 00198            |   | Prepayment - April 2012                    | 1409 · Prepaid Life, BAD&D & LTD        | 199.71             |
|       |                 |             |                  |   | March 2012                                 | 60191 · Life & Disab.Ins Benefits       | 152.80             |
| TOTAL |                 |             |                  |   |  |   | <u>352.51</u>      |
|       | Bill Pmt -Check | 03/12/2012  | 15882            | CHARLES Z. FEDAK & COMPANY              |  | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/29/2012  |                  |   | Audit Progress Pymnt - February 2012       | 6062 · Audit Services                   | 420.00             |
| TOTAL |                 |             |                  |   |  |   | <u>420.00</u>      |
|       | Bill Pmt -Check | 03/12/2012  | 15883            | DGO AUTO DETAILING                      |  | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/29/2012  |                  |   | Wash 4 trucks-02/16/12 & 4 trucks-02/29/12 | 6177 · Vehicle Repairs & Maintenance    | 200.00             |
| TOTAL |                 |             |                  |   |  |   | <u>200.00</u>      |
|       | Bill Pmt -Check | 03/12/2012  | 15884            | GEOSCIENCE SUPPORT SERVICES, INC.       | 4555-11-03                                 | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/29/2012  | 4555-11-03       |   | February 1-29, 2012                        | 7107.6 · Grd Level-Contract Svcs        | 285.00             |
| TOTAL |                 |             |                  |   |  |   | <u>285.00</u>      |
|       | Bill Pmt -Check | 03/12/2012  | 15885            | GOLDEN METERS SERVICE                   | 248  | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 03/06/2012  | 248              |   |  | 7102.8 · In-line Meter-Calib & Test     | 1,334.59           |
| TOTAL |                 |             |                  |   |  |   | <u>1,334.59</u>    |
|       | Bill Pmt -Check | 03/12/2012  | 15886            | GREAT AMERICA LEASING CORP.             | 11976896                                   | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/28/2012  | 11976869         |   | Copier lease invoice                       | 6043.1 · Ricoh Lease Fee                | 2,788.53           |
|       |                 |             |                  |   | Usage for Black Copies                     | 6043.2 · Ricoh Usage & Maintenance Fee  | 365.60             |
|       |                 |             |                  |   | Usage for Color Copies                     | 6043.2 · Ricoh Usage & Maintenance Fee  | 302.53             |
| TOTAL |                 |             |                  |   |  |   | <u>3,456.66</u>    |
|       | Bill Pmt -Check | 03/12/2012  | 15887            | HSBC BUSINESS SOLUTIONS                 | 7003-7309-1000-2744                        | 1012 · Bank of America Gen'l Ckg        |                    |
|       | Bill            | 02/28/2012  | 7003730910002744 |   | Miscellaneous office supplies              | 6031.7 · Other Office Supplies          | 265.49             |
| TOTAL |                 |             |                  |   |  |   | <u>265.49</u>      |

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**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

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| Type                   | Date       | Num              | Name                           | Memo                                  | Account                              | Paid Amount     |
|------------------------|------------|------------------|--------------------------------|---------------------------------------|--------------------------------------|-----------------|
| Bill Pmt -Check        | 03/12/2012 | 15888            | MCCALL'S METER SALES & SERVICE | 22105                                 | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 02/29/2012 | 22105            |                                | 22105                                 | 7102.5 · In-line Meter-Computer      | 3,863.89        |
|                        |            |                  |                                | 22105                                 | 7102.7 · In-line Meter               | 3,358.81        |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>7,222.70</u> |
| Bill Pmt -Check        | 03/12/2012 | 15889            | MWH LABORATORIES               | L0080845                              | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 03/07/2012 | L0080845         |                                | L0080845                              | 7103.5 · Grdwtr Qual-Lab Svcs        | 838.00          |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>838.00</u>   |
| Bill Pmt -Check        | 03/12/2012 | 15890            | PAYCHEX                        | 2012030100                            | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 02/29/2012 | 2012030100       |                                | Payroll Services - February 2012      | 6012 · Payroll Services              | 252.22          |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>252.22</u>   |
| Bill Pmt -Check        | 03/12/2012 | 15891            | PURCHASE POWER                 | 8000909000168851                      | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 02/29/2012 | 8000909000168851 |                                | Postage/mailings for the month        | 6042 · Postage - General             | 78.83           |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>78.83</u>    |
| P17<br>Bill Pmt -Check | 03/12/2012 | 15892            | SAFEGUARD DENTAL & VISION      | 4245432                               | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 03/06/2012 | 4245432          |                                | Vision insurance premium - March 2012 | 60182.2 · Dental & Vision Ins        | 7.91            |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>7.91</u>     |
| Bill Pmt -Check        | 03/12/2012 | 15893            | UNION 76                       | 300-732-989                           | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 02/28/2012 | 300732989        |                                | Fuel for February 2012                | 6175 · Vehicle Fuel                  | 115.60          |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>115.60</u>   |
| Bill Pmt -Check        | 03/12/2012 | 15894            | UNITED PARCEL SERVICE          | 2x81x0                                | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 02/29/2012 | 2x81x0           |                                | Term sheet to CDA, contract to SBCFCD | 6042 · Postage - General             | 40.42           |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>40.42</u>    |
| Bill Pmt -Check        | 03/12/2012 | 15895            | WESTERN DENTAL SERVICES, INC.  | 002483                                | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 03/06/2012 | 002483           |                                | Dental insurance premium - April 2012 | 60182.2 · Dental & Vision Ins        | 28.88           |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>28.88</u>    |
| Bill Pmt -Check        | 03/12/2012 | 15896            | YUKON DISPOSAL SERVICE         | 08-K2 213849                          | 1012 · Bank of America Gen'l Ckg     |                 |
| Bill                   | 03/06/2012 | 08-K2 213849     |                                | Service for March 2012                | 6024 · Building Repair & Maintenance | 106.53          |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>106.53</u>   |
| Check                  | 03/15/2012 | 03/15/2012       | Service Charge                 | Service Charge                        | 1012 · Bank of America Gen'l Ckg     |                 |
|                        |            |                  |                                | Service Charge                        | 6031.7 · Other Office Supplies       | 357.55          |
| TOTAL                  |            |                  |                                |                                       |                                      | <u>357.55</u>   |

**CHINO BASIN WATERMASTER**  
**Cash Disbursements For The Month of**  
**March, 2012**

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| Type            | Date       | Num                 | Name                                    | Memo  | Account                              | Paid Amount |
|-----------------|------------|---------------------|---|---|--------------------------------------|-------------|
| General Journal | 03/17/2012 | 03/17/2012          | Payroll and Taxes for 03/04/12-03/17/12 | Payroll and Taxes for 03/04/12-03/17/12       | 1012 · Bank of America Gen'l Ckg     |             |
|                 |            |                     |   | Payroll Taxes for 03/04/12-03/17/12           | 1012 · Bank of America Gen'l Ckg     | 12,858.80   |
|                 |            |                     |   | Direct Deposits for 03/04/12-03/17/12         | 1012 · Bank of America Gen'l Ckg     | 30,433.19   |
| TOTAL           |            |                     |   |   |                                      | 43,291.99   |
| Bill Pmt -Check | 03/19/2012 | 15897               | A&R BRIDGESTONE FIRESTONE AUTO CARE     | 3-3504  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 3-3504              |   | Field truck maintenance                       | 6177 · Vehicle Repairs & Maintenance | 239.59      |
| TOTAL           |            |                     |   |   |                                      | 239.59      |
| Bill Pmt -Check | 03/19/2012 | 15898               | BANK OF AMERICA                         | XXXX-XXXX-XXXX-9341                           | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | XXXX-XXXX-XXXX-9341 |   | Signs for outside of office                   | 6031.7 · Other Office Supplies       | 180.57      |
|                 |            |                     |   | Lunch for 2/22 Board meeting                  | 6312 · Meeting Expenses              | 393.96      |
|                 |            |                     |   | Paper towel rolls for restrooms               | 6031.7 · Other Office Supplies       | 169.26      |
| TOTAL           |            |                     |   |   |                                      | 743.79      |
| Bill Pmt -Check | 03/19/2012 | 15899               | CALPERS 457 PLAN                        | Payroll and Taxes for 02/19/12-03/03/12       | 1012 · Bank of America Gen'l Ckg     |             |
| General Journal | 03/03/2012 | 03/03/2012          | CALPERS 457 PLAN                        | 457 Employee Deductions for 02/19/12-03/03/12 | 2000 · Accounts Payable              | 6,719.94    |
| TOTAL           |            |                     |   |   |                                      | 6,719.94    |
| Bill Pmt -Check | 03/19/2012 | 15900               | CORELOGIC INFORMATION SOLUTIONS         | 80438675                                      | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 80438675            |   | 80438675                                      | 7103.7 · Grdwtr Qual-Computer Svc    | 62.50       |
|                 |            |                     |   | 80438675                                      | 7101.4 · Prod Monitor-Computer       | 62.50       |
| TOTAL           |            |                     |   |   |                                      | 125.00      |
| Bill Pmt -Check | 03/19/2012 | 15901               | GRAINGER                                | 9770786474                                    | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/05/2012 | 9770786474          |   | 9770786474                                    | 7104.6 · Grdwtr Level-Supplies       | 19.24       |
| TOTAL           |            |                     |   |   |                                      | 19.24       |
| Bill Pmt -Check | 03/19/2012 | 15902               | GROOMAN'S PUMP & WELL DRILLING, INC.    | 12983   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/07/2012 | 12983               |   | 12983   | 7102.7 · In-line Meter               | 498.02      |
| TOTAL           |            |                     |   |   |                                      | 498.02      |
| Bill Pmt -Check | 03/19/2012 | 15903               | IAAP                                    | 93902097                                      | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/12/2012 | 93995531            |   | Annual dues for S. Molino - IAAP membership   | 6111 · Membership Dues               | 128.00      |
| TOTAL           |            |                     |   |   |                                      | 128.00      |
| Bill Pmt -Check | 03/19/2012 | 15904               | JESKE, KEN'                             | Reimbursement for phone charges               | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/19/2012 |                     |   | Reimbursement for phone data/call charges     | 6022 · Telephone                     | 113.75      |
| TOTAL           |            |                     |   |   |                                      | 113.75      |

**CHINO BASIN WATERMASTER**  
Cash Disbursements For The Month of  
March, 2012

| Type            | Date       | Num        | Name                                | Memo  | Account                              | Paid Amount |
|-----------------|------------|------------|-------------------------------------|---|--------------------------------------|-------------|
| Bill Pmt -Check | 03/19/2012 | 15905      | MCCALL'S METER SALES & SERVICE      |   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 22027      |                                     | 22027   | 7102.8 · In-line Meter-Calib & Test  | 375.00      |
| Bill            | 02/28/2012 | 22031      |                                     | 22031   | 7102.5 · In-line Meter-Computer      | 387.90      |
|                 |            |            |                                     | 22031   | 7102.7 · In-line Meter               | 3,745.59    |
| Bill            | 02/29/2012 | 22107      |                                     | 22107   | 7102.5 · In-line Meter-Computer      | 796.50      |
|                 |            |            |                                     | 22107   | 7102.7 · In-line Meter               | 250.00      |
|                 |            |            |                                     | 22107   | 7102.8 · In-line Meter-Calib & Test  | 450.00      |
| Bill            | 03/06/2012 | 22125      |                                     | 22125   | 7102.5 · In-line Meter-Computer      | 373.25      |
|                 |            |            |                                     | 22125   | 7102.8 · In-line Meter-Calib & Test  | 450.00      |
| TOTAL           |            |            |                                     |   |                                      | 6,828.24    |
| Bill Pmt -Check | 03/19/2012 | 15906      | PREMIERE GLOBAL SERVICES            | 10787886  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/28/2012 | 10787886   |                                     | Agenda call on 1/31/12                          | 8412 · Meeting Expenses              | 55.48       |
|                 |            |            |                                     | Agenda call on 1/31/12                          | 8312 · Meeting Expenses              | 55.48       |
|                 |            |            |                                     | Agenda call on 1/31/12                          | 8512 · Meeting Expense               | 55.49       |
|                 |            |            |                                     | RMPU Steering Committee meeting/call-02/01/12   | 7204 · Comp Recharge-Supplies        | 228.38      |
|                 |            |            |                                     | Confidential Approp. Pool meeting/call-02/07/12 | 8312 · Meeting Expenses              | 292.91      |
|                 |            |            |                                     | Reserve policy meeting/call-02/08/12            | 6141.3 · Admin Meetings              | 148.83      |
|                 |            |            |                                     | Non-Ag Pool mtg on 02/09/12                     | 8512 · Meeting Expense               | 79.15       |
|                 |            |            |                                     | RMPU Steering Committee meeting/call-02/14/12   | 7204 · Comp Recharge-Supplies        | 114.00      |
|                 |            |            |                                     | Monthly service fee                             | 6022 · Telephone                     | 23.75       |
|                 |            |            |                                     | Monthly fee                                     | 6022 · Telephone                     | 14.95       |
| TOTAL           |            |            |                                     |   |                                      | 1,068.42    |
| Bill Pmt -Check | 03/19/2012 | 15907      | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493                                     | 1012 · Bank of America Gen'l Ckg     |             |
| General Journal | 03/03/2012 | 03/03/2012 | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 02/19/12-03/03/12        | 2000 · Accounts Payable              | 8,086.11    |
| TOTAL           |            |            |                                     |   |                                      | 8,086.11    |
| Bill Pmt -Check | 03/19/2012 | 15908      | PUMP CHECK                          | 4587  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 4587       |                                     | 4587  | 7102.8 · In-line Meter-Calib & Test  | 950.00      |
| TOTAL           |            |            |                                     |   |                                      | 950.00      |
| Bill Pmt -Check | 03/19/2012 | 15909      | R&D PEST SERVICES                   | 0152950   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/12/2012 | 0152950    |                                     | Continuing treatment for office                 | 6024 · Building Repair & Maintenance | 85.00       |
| TOTAL           |            |            |                                     |   |                                      | 85.00       |
| Bill Pmt -Check | 03/19/2012 | 15910      | STAPLES BUSINESS ADVANTAGE          | 8021092245                                      | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/12/2012 | 8021233300 |                                     | Miscellaneous office supplies                   | 6031.7 · Other Office Supplies       | 383.01      |
| TOTAL           |            |            |                                     |   |                                      | 383.01      |
| Bill Pmt -Check | 03/19/2012 | 15911      | VERIZON                             | 012519116950792103                              | 1012 · Bank of America Gen'l Ckg     |             |

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**CHINO BASIN WATERMASTER**  
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**March, 2012**

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| Type            | Date       | Num                | Name                            | Memo                                   | Account                              | Paid Amount |
|-----------------|------------|--------------------|---------------------------------|--|--------------------------------------|-------------|
| Bill            | 02/29/2012 | 012519116950792103 |                                 | 012519116950792103                     | 6022 · Telephone                     | 480.15      |
| TOTAL           |            |                    |                                 |  |                                      | 480.15      |
| Bill Pmt -Check | 03/19/2012 | 15912              | VERIZON BUSINESS                | 67198924                               | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/12/2012 | 67198924           |                                 | 67198924                               | 6053 · Internet Expense              | 1,562.96    |
| TOTAL           |            |                    |                                 |  |                                      | 1,562.96    |
| Bill Pmt -Check | 03/21/2012 | 15913              | COMPUTER NETWORK                |  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 83671              |                                 | Computer repair                        | 6057 · Computer Maintenance          | 136.59      |
| Bill            | 03/16/2012 | 83824              |                                 | Adobe dreamweaver software             | 6054 · Computer Software             | 429.92      |
| TOTAL           |            |                    |                                 |  |                                      | 566.51      |
| Bill Pmt -Check | 03/21/2012 | 15914              | CUCAMONGA VALLEY WATER DISTRICT | Lease Due April 1, 2012                | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/19/2012 |                    |                                 | Lease Due April 1, 2012                | 1422 · Prepaid Rent                  | 5,984.00    |
| TOTAL           |            |                    |                                 |  |                                      | 5,984.00    |
| Bill Pmt -Check | 03/21/2012 | 15915              | DGO AUTO DETAILING              |  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/19/2012 |                    |                                 | Wash 4 trucks on 3/14/12               | 6177 · Vehicle Repairs & Maintenance | 100.00      |
| TOTAL           |            |                    |                                 |  |                                      | 100.00      |
| Bill Pmt -Check | 03/21/2012 | 15916              | EGOSCUE LAW GROUP               | 10015                                  | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 10015              |                                 | Ag Pool Legal Services - February 2012 | 8467 · Ag Legal & Technical Services | 8,037.50    |
| TOTAL           |            |                    |                                 |  |                                      | 8,037.50    |
| Bill Pmt -Check | 03/21/2012 | 15917              | LEGAL SHIELD                    | 111802                                 | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/16/2012 | 111802             |                                 | Employee deducations - March 2012      | 60194 · Other Employee Insurance     | 51.80       |
| TOTAL           |            |                    |                                 |  |                                      | 51.80       |
| Bill Pmt -Check | 03/21/2012 | 15918              | PAUL HASTINGS LLP               | 1917065                                | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 02/29/2012 | 1917065            |                                 | Ag Pool Legal Services - January 2012  | 8467 · Ag Legal & Technical Services | 8,208.78    |
| TOTAL           |            |                    |                                 |  |                                      | 8,208.78    |
| Bill Pmt -Check | 03/21/2012 | 15919              | PUMP CHECK                      | 4597                                   | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/16/2012 | 4597               |                                 | 4597                                   | 7102.7 · In-line Meter               | 75.00       |
|                 |            |                    |                                 | 4597                                   | 7102.8 · In-line Meter-Calib & Test  | 380.00      |
| TOTAL           |            |                    |                                 |  |                                      | 455.00      |
| Bill Pmt -Check | 03/21/2012 | 15920              | STAULA, MARY L                  | Retiree Medical                        | 1012 · Bank of America Gen'l Ckg     |             |
| Bill            | 03/31/2012 |                    |                                 |  | 60182.4 · Retiree Medical            | 136.61      |
| TOTAL           |            |                    |                                 |  |                                      | 136.61      |

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**March, 2012**

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| Type            | Date       | Num        | Name                            | Memo                                     | Account                                   | Paid Amount |
|-----------------|------------|------------|---------------------------------|--|---|-------------|
| Bill Pmt -Check | 03/21/2012 | 15921      | VERIZON WIRELESS                | 1063272118                               | 1012 · Bank of America Gen'l Ckg          |             |
| Bill            | 03/16/2012 | 1063272118 |                                 | Monthly service                          | 6022 · Telephone                          | 473.08      |
| TOTAL           |            |            |                                 |  |   | 473.08      |
| Bill Pmt -Check | 03/21/2012 | 15922      | BROWNSTEIN HYATT FARBER SCHRECK |  | 1012 · Bank of America Gen'l Ckg          |             |
| Bill            | 02/29/2012 | 446066     |                                 | 446066 - BHFS Legal - Appropriative Pool | 8375 · BHFS Legal - Appropriative Pool    | 388.71      |
|                 |            |            |                                 | 446066 - BHFS Legal - Agricultural Pool  | 8475 · BHFS Legal - Agricultural Pool     | 388.71      |
|                 |            |            |                                 | 446066 - BHFS Legal - Non-Ag Pool        | 8575 · BHFS Legal - Non-Ag Pool           | 393.78      |
|                 |            |            |                                 | 446066 - BHFS Legal - Advisory Committee | 6275 · BHFS Legal - Advisory Committee    | 263.25      |
|                 |            |            |                                 | 446066 - BHFS Legal - Board Meeting      | 6375 · BHFS Legal - Board Meeting         | 7,959.39    |
|                 |            |            |                                 | 446066 - BHFS Legal - Storage Agreements | 6076 · BHFS Legal - Storage Agreements    | 725.40      |
|                 |            |            |                                 | 446066 - BHFS Legal - Miscellaneous      | 6078 · BHFS Legal - Miscellaneous         | 6,613.39    |
|                 |            |            |                                 | 446066 - Peace II - CEQA                 | 6907.30 · Peace II - CEQA                 | 3,019.50    |
|                 |            |            |                                 | 446066 - Desalter Negotiations           | 6907.33 · Desalter Negotiations           | 142.20      |
|                 |            |            |                                 | 446066 - Recharge Master Plan            | 6907.39 · Recharge Master Plan            | 4,026.15    |
| Bill            | 02/29/2012 | 446067     |                                 | 446067 - Santa Ana River Water Rights    | 6907.34 · Santa Ana River Water Rights    | 137.25      |
| Bill            | 02/29/2012 | 446068     |                                 | 446068 - S. Archibald Plume-Formerly OIA | 6907.31 · S. Archibald Plume-Formerly OIA | 3,422.25    |
| Bill            | 02/29/2012 | 446069     |                                 | 446069 - Chino Airport Plume             | 6907.32 · Chino Airport Plume             | 1,316.25    |
| Bill            | 02/29/2012 | 446070     |                                 | 446070 - Desalter Negotiations           | 6907.33 · Desalter Negotiations           | 4,475.25    |
| Bill            | 02/29/2012 | 446071     |                                 | 446071 - Paragraph 31 Motion             | 6907.35 · Paragraph 31 Motion             | 17,952.30   |
| TOTAL           |            |            |                                 |  |   | 51,223.78   |
| Bill Pmt -Check | 03/21/2012 | 15923      | WILDERMUTH ENVIRONMENTAL INC    |  | 1012 · Bank of America Gen'l Ckg          |             |
| Bill            | 02/28/2012 | 2012026    |                                 | 2012026 - OBMP Engineering Services      | 6906 · OBMP Engineering Services          | 706.34      |
| Bill            | 02/28/2012 | 2012027    |                                 | 2012027 - OBMP Engineering Services      | 6906 · OBMP Engineering Services          | 3,377.00    |
| Bill            | 02/28/2012 | 2012028    |                                 | 2012028 - OBMP Engineering Services      | 6906 · OBMP Engineering Services          | 3,085.00    |
| Bill            | 02/28/2012 | 2012029    |                                 | 2012029 - Grdwtr Qual-Engineering        | 7103.3 · Grdwtr Qual-Engineering          | 17,460.65   |
| Bill            | 02/28/2012 | 2012030    |                                 | 2012030 - Grdwtr Level-Engineering       | 7104.3 · Grdwtr Level-Engineering         | 21,911.39   |
| Bill            | 02/28/2012 | 2012031    |                                 | 2012031 - Grd Level-Engineering          | 7107.2 · Grd Level-Engineering            | 1,670.00    |
|                 |            |            |                                 | Neva Ridge - Grd Level-Contract Svcs     | 7107.6 · Grd Level-Contract Svcs          | 17,600.00   |
| Bill            | 02/28/2012 | 2012032    |                                 | 2012032 - Grd Level-Engineering          | 7107.2 · Grd Level-Engineering            | 13,320.89   |
| Bill            | 02/28/2012 | 2012033    |                                 | 2012033 - Hydraulic Control-Engineering  | 7108.3 · Hydraulic Control-Engineering    | 5,995.74    |
| Bill            | 02/28/2012 | 2012034    |                                 | 2012034 - Hydraulic Control-Engineering  | 7108.3 · Hydraulic Control-Engineering    | 951.28      |
| Bill            | 02/28/2012 | 2012035    |                                 | 2012035 - Hydraulic Control-Engineering  | 7108.3 · Hydraulic Control-Engineering    | 28,563.69   |
| Bill            | 02/28/2012 | 2012036    |                                 | 2012036 - PE3&5-Engineering              | 7303 · PE3&5-Engineering                  | 215.00      |
| Bill            | 02/28/2012 | 2012037    |                                 | 2012037 - PE4-Engineering                | 7402 · PE4-Engineering                    | 10,612.50   |
| Bill            | 02/28/2012 | 2012038    |                                 | 2012038 - Comp Recharge-Implementation   | 7202.3 · Comp Recharge-Implementation     | 53,537.34   |
| Bill            | 02/28/2012 | 2012039    |                                 | 2012039 - PE6&7-Engineering              | 7502 · PE6&7-Engineering                  | 2,750.39    |
| Bill            | 02/28/2012 | 2012040    |                                 | 2012040 - OBMP-Watermaster Model Update  | 6906.1 · OBMP - Watermaster Model Update  | 60,013.00   |
| TOTAL           |            |            |                                 |  |   | 241,770.21  |

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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>       |
|-----------------|-------------|------------|---|---|----------------------------------|--------------------------|
| General Journal | 03/31/2012  | 03/31/2012 | Wage Works Direct Debits - March 2012   | Wage Works Direct Debits - March 2012   | 1012 - Bank of America Gen'l Ckg |                          |
|                 |             |            |   | Wage Works Direct Debits - March 2012   | 1012 - Bank of America Gen'l Ckg | 495.40                   |
|                 |             |            |   | Wage Works Direct Debits - March 2012   | 1012 - Bank of America Gen'l Ckg | 495.40                   |
|                 |             |            |   | Wage Works Direct Debits - March 2012   | 1012 - Bank of America Gen'l Ckg | 76.25                    |
| TOTAL           |             |            |   |   |                                  | <u>1,067.05</u>          |
| General Journal | 03/31/2012  | 03/31/2012 | Payroll and Taxes for 03/18/12-03/31/12 | Payroll and Taxes for 03/18/12-03/31/12 | 1012 - Bank of America Gen'l Ckg |                          |
|                 |             |            |   | Payroll Taxes for 03/18/12-03/31/12     | 1012 - Bank of America Gen'l Ckg | 10,913.34                |
|                 |             |            |   | Direct Deposits for 03/18/12-03/31/12   | 1012 - Bank of America Gen'l Ckg | 28,513.61                |
| TOTAL           |             |            |   |   |                                  | <u>39,426.95</u>         |
|                 |             |            |   |   | <b>Total Disbursements:</b>      | <u><u>835,401.41</u></u> |

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# CHINO BASIN WATERMASTER

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

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## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** VISA Check Detail Report – Financial Report B2

### SUMMARY

**Issue** – Record of VISA credit card payment disbursed for the month of March 2012.

**Recommendation** – Staff recommends the VISA Check Detail Report for March 2012 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2011-2012 Watermaster Budget.

### BACKGROUND

A monthly VISA Check Detail report is provided to keep all members apprised of Watermaster expenditures charged against the CEO and/or CFO's Bank of America VISA card.

### DISCUSSION

Total cash disbursement during the month of March 2012 was \$743.79. The monthly charges for March 2012 were for routine and customary expenditures and properly documented with receipts.

### Actions:

- May 10, 2012 Appropriative Pool – Approved unanimously
- May 10, 2012 Non-Agricultural Pool – Moved to receive and file without approval
- May 10, 2012 Agricultural Pool – Approved unanimously
- May 17, 2012 Advisory Committee – Approved unanimously
- May 24, 2012 Watermaster Board –

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CHINO BASIN WATERMASTER  
 VISA Check Detail Report  
 March 2012

| Type            | Num        | Date                | Name            | Memo                            | Account                          | Paid Amount   |
|-----------------|------------|---------------------|-----------------|---------------------------------|----------------------------------|---------------|
| Bill Pmt -Check | 03/19/2012 | 15898               | BANK OF AMERICA | XXXX-XXXX-XXXX-9341             | 1012 · Bank of America Gen'l Ckg |               |
| Bill            | 02/28/2012 | XXXX-XXXX-XXXX-9341 |                 | Signs for outside of office     | 6031.7 · Other Office Supplies   | 180.57        |
|                 |            |                     |                 | Lunch for 2/22 Board meeting    | 6312 · Meeting Expenses          | 393.96        |
|                 |            |                     |                 | Paper towel rolls for restrooms | 6031.7 · Other Office Supplies   | 169.26        |
| TOTAL           |            |                     |                 |                                 | <b>Total Disbursements:</b>      | <b>743.79</b> |

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# CHINO BASIN WATERMASTER

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## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2011 through March 31, 2012 - Financial Report B3

### SUMMARY

**Issue** – Record of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2011 through March 31, 2012.

**Recommendation** – Staff recommends the Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2011 through March 31, 2012 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2011-2012 Watermaster Budget.

### BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Working Capital for the period July 1, 2011 through March 31, 2012 is provided to keep all members apprised of the FY 2011/2012 cumulative Watermaster revenues, expenditures and changes in working capital for the period listed.

### DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Working Capital has been created from various financial reports and statements created from QuickBooks Enterprise Solutions 9.0, the Watermaster accounting system. The Combining Schedule provided balances to the supporting documentation in the Watermaster accounting system as presented.

### Actions:

- May 10, 2012 Appropriative Pool – Approved unanimously
- May 10, 2012 Non-Agricultural Pool – Moved to receive and file without approval
- May 10, 2012 Agricultural Pool – Approved unanimously
- May 17, 2012 Advisory Committee – Approved unanimously
- May 24, 2012 Watermaster Board –

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CHINO BASIN WATERMASTER  
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN WORKING CAPITAL  
 FOR THE PERIOD JULY 1, 2011 THROUGH MARCH 31, 2012

Financial Report - B3

| WATERMASTER<br>ADMINISTRATION                     | OPTIMUM<br>BASIN<br>MANAGEMENT | POOL ADMINISTRATION & SPECIAL PROJECTS |                |                 | GROUNDWATER OPERATIONS       |                | EDUCATION<br>FUNDS | GRAND<br>TOTALS    | BUDGET<br>2011-2012 |
|---|--------------------------------|--|----------------|-----------------|------------------------------|----------------|--------------------|--------------------|---------------------|
|   |                                | APPROPRIATIVE<br>POOL                  | AG<br>POOL     | NON-AG<br>POOL  | GROUNDWATER<br>REPLENISHMENT | SB222<br>FUNDS |                    |                    |                     |
| <b>Administrative Revenues:</b>                   |                                |  |                |                 |                              |                |                    |                    |                     |
| Administrative Assessments                        |                                | 5,844,372                              |                | 252,359         |                              |                |                    | 6,096,730          | \$6,172,177         |
| Interest Revenue                                  |                                | 11,430                                 | 1,358          | 414             |                              |                | 1                  | 13,203             | 150,010             |
| Mutual Agency Project Revenue                     | 705,777                        |  |                |                 |                              |                |                    | 705,777            | 654,580             |
| Grant Income                                      |                                |  |                |                 |                              |                |                    | -                  | 0                   |
| Miscellaneous Income                              |                                |  |                |                 |                              |                |                    | -                  | 0                   |
| <b>Total Revenues</b>                             | <b>705,777</b>                 | <b>5,855,802</b>                       | <b>1,358</b>   | <b>252,772</b>  | <b>-</b>                     | <b>-</b>       | <b>1</b>           | <b>6,815,710</b>   | <b>6,976,767</b>    |
| <b>Administrative &amp; Project Expenditures:</b> |                                |  |                |                 |                              |                |                    |                    |                     |
| Watermaster Administration                        | 504,179                        |  |                |                 |                              |                |                    | 504,179            | 577,107             |
| Watermaster Board-Advisory Committee              | 141,344                        |  |                |                 |                              |                |                    | 141,344            | 155,297             |
| Ag Pool Misc. Expense - Ag Fund                   |                                |  | 99             |                 |                              |                |                    | 99                 | -                   |
| Pool Administration                               |                                | 116,352                                | 126,163        | 103,575         |                              |                |                    | 346,089            | 618,797             |
| Optimum Basin Mgmt Administration                 | 1,043,833                      |  |                |                 |                              |                |                    | 1,043,833          | 1,279,496           |
| OBMP Project Costs                                | 3,057,776                      |  |                |                 |                              |                |                    | 3,057,776          | 4,139,706           |
| Debt Service                                      | 371,271                        |  |                |                 |                              |                |                    | 371,271            | 450,964             |
| Education Funds Use                               |                                |  |                |                 |                              |                | 375                | 375                | 375                 |
| Mutual Agency Project Costs                       |                                |  |                |                 |                              |                |                    | -                  | 10,000              |
| <b>Total Administrative/OBMP Expenses</b>         | <b>645,523</b>                 | <b>4,472,880</b>                       | <b>116,352</b> | <b>126,163</b>  | <b>103,575</b>               | <b>-</b>       | <b>375</b>         | <b>5,464,967</b>   | <b>7,231,742</b>    |
| <b>Net Administrative/OBMP Expenses</b>           | <b>60,253</b>                  | <b>(4,472,880)</b>                     |                |                 |                              |                |                    |                    |                     |
| Allocate Net Admin Expenses To Pools              | <u>(60,253)</u>                |  | (41,564)       | (16,614)        | (2,075)                      |                |                    | -                  |                     |
| Allocate Net OBMP Expenses To Pools               |                                | 4,101,609                              | 2,829,396      | 1,130,961       | 141,252                      |                |                    | -                  |                     |
| Allocate Debt Service to App Pool                 |                                | 371,271                                | 371,271        |                 |                              |                |                    | -                  |                     |
| Agricultural Expense Transfer*                    |                                |  | 1,240,510      | (1,240,510)     |                              |                |                    | -                  |                     |
| <b>Total Expenses</b>                             |                                | <b>4,515,964</b>                       | <b>99</b>      | <b>242,752</b>  | <b>-</b>                     | <b>-</b>       | <b>375</b>         | <b>5,464,967</b>   | <b>7,231,742</b>    |
| <b>Net Administrative Income</b>                  |                                | <b>1,339,838</b>                       | <b>1,259</b>   | <b>10,020</b>   | <b>-</b>                     | <b>-</b>       | <b>(374)</b>       | <b>1,350,743</b>   | <b>(254,975)</b>    |
| <b>Other Income/(Expense)</b>                     |                                |  |                |                 |                              |                |                    |                    |                     |
| Replenishment Water Assessments                   |                                |  |                |                 | 714,284                      |                |                    | 714,284            | 0                   |
| Non-Ag Stored Water Purchases                     |                                | 2,377,250                              |                |                 |                              |                |                    | 2,377,250          | 0                   |
| Interest Revenue                                  |                                |  |                |                 | 277                          |                |                    | 277                | 0                   |
| MWD Water Purchases                               |                                |  |                |                 | 10,269,933                   |                |                    | 10,269,933         | 0                   |
| Non-Ag Stored Water Purchases                     |                                | (2,377,250)                            |                |                 |                              |                |                    | (2,377,250)        | 0                   |
| MWD Water Purchases                               |                                |  |                |                 | (10,269,932)                 |                |                    | (10,269,932)       | 0                   |
| Groundwater Replenishment                         |                                |  |                |                 | (25,146)                     |                |                    | (25,146)           | 0                   |
| Refund-Excess Reserves                            |                                | (1,957,901)                            |                | (81,757)        |                              |                |                    | (2,039,658)        | 0                   |
| Refund-Recharge Debt                              |                                | (584,280)                              |                |                 |                              |                |                    | (584,280)          | 0                   |
| <b>Net Other Income/(Expense)</b>                 |                                | <b>(2,542,181)</b>                     | <b>-</b>       | <b>(81,757)</b> | <b>689,417</b>               | <b>-</b>       | <b>-</b>           | <b>(1,934,521)</b> | <b>0</b>            |
| <b>Net Transfers To/(From) Reserves</b>           | <b>(583,778)</b>               | <b>(1,202,343)</b>                     | <b>1,259</b>   | <b>(71,737)</b> | <b>689,417</b>               | <b>-</b>       | <b>(374)</b>       | <b>(583,778)</b>   | <b>(215,000)</b>    |
| Working Capital, July 1, 2011                     |                                | 6,922,600                              | 475,807        | 282,721         | 35,379                       | 158,251        | 630                | 7,875,387          |                     |
| Working Capital, End Of Period                    |                                | 5,720,257                              | 477,065        | 210,984         | 724,795                      | 158,251        | 256                | 7,291,609          | 7,291,609           |
| <b>10/11 Assessable Production</b>                |                                | 78,410,414                             | 31,342,082     | 3,914,499       |                              |                |                    | 113,666,995        |                     |
| <b>10/11 Production Percentages</b>               |                                | 68.983%                                | 27.574%        | 3.444%          |                              |                |                    | 100.000%           |                     |

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

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# CHINO BASIN WATERMASTER

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Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Treasurer's Report of Financial Affairs for the Period March 1, 2012 through March 31, 2012 - Financial Report B4

### SUMMARY

**Issue** – Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of March 1, 2012 through March 31, 2012.

**Recommendation** – Staff recommends the Treasurer's Report of Financial Affairs for the Period March 1, 2012 through March 31, 2012 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2011-2012 Watermaster Budget.

### BACKGROUND

A Treasurer's Report of Financial Affairs for the Period March 1, 2012 through March 31, 2012 is provided to keep all members apprised of the total cash in banks (Bank of America and LAIF) and on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF), 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 QuickBooks Enterprise Solutions 9.0, 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.

### Actions:

May 10, 2012 Appropriative Pool – Approved unanimously  
May 10, 2012 Non-Agricultural Pool – Moved to receive and file without approval  
May 10, 2012 Agricultural Pool – Approved unanimously  
May 17, 2012 Advisory Committee – Approved unanimously  
May 24, 2012 Watermaster Board –

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**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
MARCH 1 THROUGH MARCH 31, 2012**

Financial Report - B4

**DEPOSITORIES:**

|   |                  |           |                     |
|---|------------------|-----------|---------------------|
| Cash on Hand - Petty Cash                 |                  | \$        | 500                 |
| Bank of America                           |                  |           |                     |
| Governmental Checking-Demand Deposits     | \$               | 1,064,752 |                     |
| Zero Balance Account - Payroll            | \$               | -         | 1,064,752           |
| Local Agency Investment Fund - Sacramento |                  |           | 6,968,824           |
| <b>TOTAL CASH IN BANKS AND ON HAND</b>    | <b>3/31/2012</b> |           | <b>\$ 8,034,076</b> |
| <b>TOTAL CASH IN BANKS AND ON HAND</b>    | <b>2/29/2012</b> |           | <b>6,694,530</b>    |
|   |                  |           | <b>\$ 1,339,545</b> |

**CHANGE IN CASH POSITION DUE TO:**

|  |  |    |                     |
|--|--|----|---------------------|
| Decrease/(Increase) in Assets: Accounts Receivable         |  | \$ | 2,295               |
| Assessments Receivable                                     |  |    | 1,928,615           |
| Prepaid Expenses, Deposits & Other Current Assets          |  |    | 246,249             |
| (Decrease)/Increase in Liabilities: Accounts Payable       |  |    | (247,637)           |
| Accrued Payroll, Payroll Taxes & Other Current Liabilities |  |    | 151,610             |
| Transfer to/(from) Reserves                                |  |    | (741,587)           |
|  |  |    | <b>\$ 1,339,545</b> |

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**SUMMARY OF FINANCIAL TRANSACTIONS:**

|                                      | Petty<br>Cash | Gov't'l Checking<br>Demand | Zero Balance<br>Account<br>Payroll | Local Agency<br>Investment Funds | Totals              |
|--------------------------------------|---------------|----------------------------|------------------------------------|----------------------------------|---------------------|
| Balances as of 2/29/2012             | \$ 500        | \$ 2,725,706               | \$ -                               | \$ 3,968,824                     | \$ 6,695,030        |
| Deposits                             | -             | 2,174,947                  | -                                  | 3,000,000                        | 5,174,947           |
| Transfers                            | -             | (3,080,393)                | 80,393                             | -                                | (3,000,000)         |
| Withdrawals/Checks                   | -             | (755,008)                  | (80,393)                           | -                                | (835,401)           |
|                                      | \$ 500        | \$ 1,065,252               | \$ -                               | \$ 6,968,824                     | \$ 8,034,576        |
| <b>PERIOD INCREASE OR (DECREASE)</b> | <b>\$ -</b>   | <b>\$ (1,660,455)</b>      | <b>\$ -</b>                        | <b>\$ 3,000,000</b>              | <b>\$ 1,339,545</b> |





## CHINO BASIN WATERMASTER

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### STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Budget vs. Actual Report for the Period July 1, 2011 through March 31, 2012 - Financial Report - B5

#### SUMMARY

**Issue** – Record of revenues and expenses of Watermaster for the Period of July 1, 2011 through March 31, 2012.

**Recommendation** – Staff recommends the Budget vs. Actual Report for the Period July 1, 2011 through March 31, 2012 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2011-2012 Watermaster Budget.

#### BACKGROUND:

A Budget vs. Actual Report for the period July 1, 2011 through March 31, 2012 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; Optimal Basin Management Program Expenses; Project Expenses; and Other Income/Expenses.

#### DISCUSSION:

The Budget vs. Actual report has been created from QuickBooks Enterprise Solutions 9.0, 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.

There was a Budget Amendment approved during the March 2012 Pools, Advisory Committee and Board meeting. The "Amended" Total Revenues increased from \$6,869,767 to \$6,901,767 (an increase of \$32,000) while the "Amended" Total Expenses increased from 7,084,767 to \$7,116,767 (an increase of \$32,000). The additional \$32,000 was to fund the Watermaster CEO Recruitment Contract.

An additional Budget Transfer and Budget Amendment Form is planned for approval in the following month to adjust several of the budget categories for variances between actual and budget.

Year-To-Date (YTD) for the nine months ending March 31, 2012, all but seven categories were at or below the projected budget. The categories above budget were the Watermaster Legal Services (6070's) of \$12,231; Watermaster Board Expenses (6300's) of \$22,765; Non-Ag Pool Administration Expenses (8500's) of \$7,055; Optimum Basin Management Plan Expenses (6900's) of \$28,263; In-Line Meter Installation Expenses (7102's) of \$18,769; Comprehensive Recharge Program Expenses (7200's) of \$28,547; and Cooperative Efforts/Salt Management (7500's) of \$19,643.

The chart listed below summarized the Year-To-Date (YTD) Actual Watermaster salary costs 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. As of March 31, 2012, the total (YTD) Watermaster salary expenses are \$36,953 or 3.2% above the YTD budgeted amount of \$1,157,793. The following details are provided:

|   | Jul '11 - Mar '12   | Budget              | \$ Over Budget   | % of Budget    | Annual Budget       |
|---|---------------------|---------------------|------------------|----------------|---------------------|
| <b>WM Salary Expense</b>                          |                     |                     |                  |                |                     |
| 6011 - WM Staff Salaries                          | 346,743.30          | 331,196.88          | 15,546.42        | 104.69%        | 441,032.00          |
| 6011.2 - WM Staff - Admin. Paid Leave             | 63,326.74           | 60,000.00           | 3,326.74         | 105.55%        | 120,000.00          |
| 6011.3 - WM Staff - Temporary Upgrade             | 7,223.90            | 0.00                | 7,223.90         | 100.0%         | 0.00                |
| 6201 - Advisory Committee - WM Staff Salaries     | 16,718.29           | 15,930.76           | 787.53           | 104.94%        | 21,241.00           |
| 6301 - Watermaster Board - WM Staff Salaries      | 22,870.28           | 22,437.00           | 433.28           | 101.93%        | 29,916.00           |
| 8301 - Appropriative Pool - WM Staff Salaries     | 21,695.25           | 21,337.51           | 357.74           | 101.68%        | 28,450.00           |
| 8401 - Agricultural Pool - WM Staff Salaries      | 19,319.73           | 18,701.24           | 618.49           | 103.31%        | 24,935.00           |
| 8501 - Non-Agricultural Pool - WM Staff Salaries  | 11,322.28           | 10,674.76           | 647.52           | 106.07%        | 14,233.00           |
| 6901 - OBMP - WM Staff Salaries                   | 192,294.36          | 162,743.99          | 29,550.37        | 118.16%        | 216,992.00          |
| 7101.1 - Production Monitor - WM Staff Salaries   | 77,668.29           | 87,112.49           | -9,444.20        | 89.16%         | 104,150.00          |
| 7102.1 - In-line Meter - WM Staff Salaries        | 7,493.43            | 7,772.26            | -278.83          | 96.41%         | 10,363.00           |
| 7103.1 - Grdwater Quality - WM Staff Salaries     | 50,211.35           | 66,146.24           | -15,934.89       | 75.91%         | 80,195.00           |
| 7104.1 - Grdwater Level - WM Staff Salaries       | 37,498.61           | 67,397.26           | -29,898.65       | 55.64%         | 89,863.00           |
| 7105.1 - Sur Wtr Qual - WM Staff Salaries         | 567.23              | 2,244.01            | -1,676.78        | 25.28%         | 2,992.00            |
| 7107.1 - Grd Level Monitoring - WM Staff Salaries | 1,021.00            | 1,174.50            | -153.50          | 86.93%         | 1,566.00            |
| 7108.1 - Hydraulic Control - WM Staff Salaries    | 5,897.04            | 5,454.76            | 442.28           | 108.11%        | 7,273.00            |
| 7201 - Comp Recharge - WM Staff Salaries          | 97,391.47           | 93,815.24           | 3,576.23         | 103.81%        | 125,087.00          |
| 7301 - PE3&5 - WM Staff Salaries                  | 31,651.95           | 28,157.26           | 3,494.69         | 112.41%        | 37,543.00           |
| 7401 - PE4 - WM Staff Salaries                    | 7,568.50            | 9,176.26            | -1,607.76        | 82.48%         | 12,235.00           |
| 7501.1 - PE 6&7 - WM Staff Salaries (Plume)       | 21,391.11           | 0.00                | 21,391.11        | 100.0%         | 0.00                |
| 7501 - PE6&7 - WM Staff Salaries                  | 3,596.90            | 2,244.01            | 1,352.89         | 160.29%        | 2,992.00            |
| 7601 - PE8&9 - WM Staff Salaries                  | 33,736.18           | 34,067.25           | -331.07          | 99.03%         | 45,423.00           |
| 7701 - Inactive Well - WM Staff Salaries          | 0.00                | 309.75              | -309.75          | 0.0%           | 413.00              |
| <b>Subtotal WM Staff Costs</b>                    | <b>1,077,207.19</b> | <b>1,048,093.43</b> | <b>29,113.76</b> | <b>102.78%</b> | <b>1,416,894.00</b> |
| 60185 - Vacation                                  | 53,820.19           | 41,537.60           | 12,282.59        | 129.57%        | 51,922.00           |
| 60186 - Sick Leave                                | 24,353.63           | 30,982.50           | -6,628.87        | 78.6%          | 41,310.00           |
| 60187 - Holidays                                  | 39,364.14           | 37,179.00           | 2,185.14         | 105.88%        | 41,310.00           |
| <b>Subtotal WM Paid Leaves</b>                    | <b>117,537.96</b>   | <b>109,699.10</b>   | <b>7,838.86</b>  | <b>107.15%</b> | <b>134,542.00</b>   |
| <b>Total WM Salary Costs</b>                      | <b>1,194,745.15</b> | <b>1,157,792.53</b> | <b>36,952.62</b> | <b>103.19%</b> | <b>1,551,436.00</b> |

Added to the financial reports in the month of November 2011, the chart listed below summarizes the Brownstein Hyatt Farber Schreck (BHFS) expenses as of March 31, 2012 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. As of March 31, 2012, the BHFS expenses are \$56,000 or 11.9% above the (YTD) budgeted amount of \$470,392. The following details are provided:

|   | Jul '11 - Mar '12 | Budget            | \$ Over Budget   | % of Budget    | Annual Budget     |
|---|-------------------|-------------------|------------------|----------------|-------------------|
| <b>6070 - Watermaster Legal Services</b>              |                   |                   |                  |                |                   |
| 6071 - BHFS Legal - Court Coordination                | 0.00              | 29,325.01         | -29,325.01       | 0.0%           | 39,100.00         |
| 6072 - BHFS Legal - Restated Judgment                 | 21,866.46         | 62,400.00         | -40,533.54       | 35.04%         | 62,400.00         |
| 6073 - BHFS Legal - Personnel Matters                 | 47,576.29         | 7,406.24          | 40,170.05        | 642.38%        | 9,875.00          |
| 6074 - BHFS Legal - Interagency Issues                | 3,510.45          | 25,725.01         | -22,214.56       | 13.65%         | 34,300.00         |
| 6075 - BHFS Legal - Replenishmnt Water                | 42,186.60         | 0.00              | 42,186.60        | 100.0%         | 0.00              |
| 6076 - BHFS Legal - Storage Agreements                | 5,779.47          | 0.00              | 5,779.47         | 100.0%         | 0.00              |
| 6078 - BHFS Legal - Miscellaneous                     | 58,828.43         | 42,660.00         | 16,168.43        | 137.9%         | 56,880.00         |
| <b>Total 6070 - Watermaster Legal Services</b>        | <b>179,747.70</b> | <b>167,516.26</b> | <b>12,231.44</b> | <b>107.3%</b>  | <b>202,555.00</b> |
| 6275 - BHFS Legal - Advisory Committee                | 21,920.84         | 23,107.50         | -1,186.66        | 94.87%         | 30,810.00         |
| 6375 - BHFS Legal - Board Meeting                     | 57,278.22         | 37,222.50         | 20,055.72        | 153.88%        | 45,630.00         |
| 8375 - BHFS Legal - Appropriative Pool                | 15,352.95         | 15,997.50         | -644.55          | 95.97%         | 21,330.00         |
| 8475 - BHFS Legal - Agricultural Pool                 | 14,759.53         | 23,107.50         | -8,347.97        | 63.87%         | 30,810.00         |
| 8575 - BHFS Legal - Non-Ag Pool                       | 14,226.53         | 7,110.00          | 7,116.53         | 200.09%        | 9,480.00          |
| <b>Total BHFS Legal Services</b>                      | <b>123,538.07</b> | <b>106,545.00</b> | <b>16,993.07</b> | <b>115.95%</b> | <b>138,060.00</b> |
| <b>6907.3 - WM Legal Counsel</b>                      |                   |                   |                  |                |                   |
| 6907.30 - Peace II - CEQA                             | 3,019.50          | 0.00              | 3,019.50         | 100.0%         | 0.00              |
| 6907.31 - S. Archibald Plume-Formerly OIA             | 6,642.00          | 18,468.76         | -11,826.76       | 35.96%         | 24,625.00         |
| 6907.32 - Chino Airport Plume                         | 10,368.70         | 19,256.26         | -8,897.56        | 53.79%         | 25,675.00         |
| 6907.33 - Desalter Negotiations                       | 83,428.91         | 67,425.00         | 16,003.91        | 123.74%        | 67,425.00         |
| 6907.34 - Santa Ana River Water Rights                | 7,040.32          | 18,843.75         | -11,803.43       | 37.36%         | 25,125.00         |
| 6907.35 - Paragraph 31 Motion                         | 83,478.71         | 39,200.00         | 44,278.71        | 212.96%        | 39,200.00         |
| 6907.36 - Santa Ana River Habitat                     | 7,969.13          | 0.00              | 7,969.13         | 100.0%         | 0.00              |
| 6907.37 - Water Auction                               | 0.00              | 0.00              | 0.00             | 0.0%           | 0.00              |
| 6907.38 - Reg. Water Quality Cntrl Board              | 0.00              | 10,312.51         | -10,312.51       | 0.0%           | 13,750.00         |
| 6907.39 - Recharge Master Plan                        | 21,168.14         | 22,824.00         | -1,655.86        | 92.75%         | 25,360.00         |
| 6907.3 - WM Legal Counsel - Other                     | 0.00              | 0.00              | 0.00             | 0.0%           | 0.00              |
| <b>Total 6907.3 - WM Legal Counsel</b>                | <b>223,105.41</b> | <b>196,330.28</b> | <b>26,775.13</b> | <b>113.64%</b> | <b>221,160.00</b> |
| <b>Total Brownstein, Hyatt, Farber, Schreck Costs</b> | <b>526,391.18</b> | <b>470,391.54</b> | <b>55,999.64</b> | <b>111.91%</b> | <b>561,775.00</b> |

**OBMP Engineering Services and Legal Costs:**

Several individual line items within the 6900 (Optimum Basin Mgmt Program) are above the Year-To-Date budget. These are the 6901 (WM Staff Salaries) of \$29,550 and the 6906.1 (OBMP Watermaster Model Update) of \$7,554. These overages totaling \$37,104 are a direct result of increased activities and allocating the budget in equal 1/12 portions throughout the fiscal year. The Year-To-Date expenses in these categories are running ahead of budget and should level off as the fiscal year progresses. A budget transfer request is scheduled to adjust this category in the next month.

Within the category 6900 (Optimum Basin Mgmt Program) 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 \$71,272 while the majority of line item activities were below the budget \$44,497. Above the budget line items were the Peace II CEQA of \$3,020; the Desalter Negotiations of \$16,004; the Paragraph 31 Motion of \$44,279; and the Santa Ana River Habitat of \$7,969.

The individual legal projects/activities that were below budget for the Year-To-Date period were the South Archibald Plume (formerly the OIA Plume) of \$11,827; the Chino Airport Plume of \$8,898; the Santa Ana River Water Rights Application of \$11,803; the Regional Water Quality Control Board of \$10,313; and the Recharge Master Plan of \$1,656. For the nine months ended March 31, 2012, the overall cumulative (YTD) budget was \$196,330 and the actual (BHFS) legal expenses totaled \$223,105 which resulted in an Over budget variance of \$26,775 or 13.6%.

The chart listed below summarizes the Optimum Basin Management Program (OBMP) expenses as of March 31, 2012 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. Overall, the Optimum Basin Management Program (OBMP) category was \$902,116 compared to a (YTD) budget of \$873,853 for an Over budget of \$28,263 or 3.2% as of March 31, 2012.

|   | Jul '11 - Mar '12 | Budget            | \$ Over Budget    | % of Budget    | Annual Budget       |
|---|-------------------|-------------------|-------------------|----------------|---------------------|
| <b>6900 · Optimum Basin Mgmt Plan</b>         |                   |                   |                   |                |                     |
| 6901 · WM Staff Salaries                      | 192,294.36        | 162,743.99        | 29,550.37         | 118.16%        | 216,992.00          |
| 6903 · OBMP SAWPA Group                       | 11,655.00         | 11,655.00         | 0.00              | 100.0%         | 11,655.00           |
| 6906 · OBMP Engineering Services              |                   |                   |                   |                |                     |
| 6906.1 · OBMP - Watermaster Model Update      | 301,563.98        | 294,010.00        | 7,553.98          | 102.57%        | 354,010.00          |
| 6906 · OBMP Engineering Services - Other      | 169,050.75        | 190,364.00        | -21,313.25        | 88.8%          | 224,304.00          |
| <b>Total 6906 · OBMP Engineering Services</b> | <b>470,614.73</b> | <b>484,374.00</b> | <b>-13,759.27</b> | <b>97.16%</b>  | <b>578,314.00</b>   |
| 6907 · OBMP Legal Fees                        |                   |                   |                   |                |                     |
| 6907.3 · WM Legal Counsel                     |                   |                   |                   |                |                     |
| 6907.30 · Peace II - CEQA                     | 3,019.50          | 0.00              | 3,019.50          | 100.0%         | 0.00                |
| 6907.31 · S. Archibald Plume-Formerly OIA     | 6,642.00          | 18,468.76         | -11,826.76        | 35.96%         | 24,625.00           |
| 6907.32 · Chino Airport Plume                 | 10,358.70         | 19,256.26         | -8,897.56         | 53.79%         | 25,675.00           |
| 6907.33 · Desalter Negotiations               | 83,428.91         | 67,425.00         | 16,003.91         | 123.74%        | 67,425.00           |
| 6907.34 · Santa Ana River Water Rights        | 7,040.32          | 18,843.75         | -11,803.43        | 37.36%         | 25,125.00           |
| 6907.35 · Paragraph 31 Motion                 | 83,478.71         | 39,200.00         | 44,278.71         | 212.96%        | 39,200.00           |
| 6907.36 · Santa Ana River Habitat             | 7,969.13          | 0.00              | 7,969.13          | 100.0%         | 0.00                |
| 6907.37 · Water Auction                       | 0.00              | 0.00              | 0.00              | 0.0%           | 0.00                |
| 6907.38 · Reg. Water Quality Cntrl Board      | 0.00              | 10,312.51         | -10,312.51        | 0.0%           | 13,750.00           |
| 6907.39 · Recharge Master Plan                | 21,168.14         | 22,824.00         | -1,655.86         | 92.75%         | 25,360.00           |
| 6907.3 · WM Legal Counsel - Other             | 0.00              | 0.00              | 0.00              | 0.0%           | 0.00                |
| <b>Total 6907.3 · WM Legal Counsel</b>        | <b>223,105.41</b> | <b>196,330.28</b> | <b>26,775.13</b>  | <b>113.64%</b> | <b>221,160.00</b>   |
| <b>Total 6907 · OBMP Legal Fees</b>           | <b>223,105.41</b> | <b>196,330.28</b> | <b>26,775.13</b>  | <b>113.64%</b> | <b>221,160.00</b>   |
| 6909 · OBMP Other Expenses                    |                   |                   |                   |                |                     |
| 6909.1 · OBMP Meetings                        | 874.28            | 0.00              | 874.28            | 100.0%         | 0.00                |
| 6909.3 · Other OBMP Expenses                  | 1,977.00          | 0.00              | 1,977.00          | 100.0%         | 0.00                |
| 6909.4 · Printing                             | 1,595.00          | 0.00              | 1,595.00          | 100.0%         | 0.00                |
| 6909.5 · Ad Hoc Litigation Committee          | 0.00              | 0.00              | 0.00              | 0.0%           | 0.00                |
| 6909 · OBMP Other Expenses - Other            | 0.00              | 18,750.01         | -18,750.01        | 0.0%           | 25,000.00           |
| <b>Total 6909 · OBMP Other Expenses</b>       | <b>4,446.28</b>   | <b>18,750.01</b>  | <b>-14,303.73</b> | <b>23.71%</b>  | <b>25,000.00</b>    |
| <b>Total 6900 · Optimum Basin Mgmt Plan</b>   | <b>902,115.78</b> | <b>873,853.28</b> | <b>28,262.50</b>  | <b>103.23%</b> | <b>1,053,121.00</b> |

The OBMP Implementation Projects (accounts 7100's – 7700's) were (Under) budget as of March 31, 2012 except for several categories. Those categories over budget (YTD) were In-Line Meter Installation (7102's), over budget by the amount of \$18,769; Comprehensive Recharge Program (7200's) over budget by the amount of \$28,547; and Cooperative Efforts/Salt Management (7500's) over budget by the amount of \$19,643. The In-Line Meter Installation category was over budget due to the increased

number of meters being installed than was originally budgeted in the Watermaster FY 2011/2012 budget. The Groundwater Quality Monitoring category and the Comprehensive Recharge Program categories were over budget due to timing differences between actual expenses and budgeted expenses. The Cooperative Efforts/Salt Management variance is a result of the additional labor efforts regarding the South Archibald Plume monitoring and testing, resulting in a larger unanticipated labor cost. A Budget Transfer Form is planned for approval in the following month to adjust the budget categories for variances between actual and budget.

Category 7107 (Ground Level Monitoring) contains the annual budget costs of \$465,002 for the installation of a vertical extensometer in the Chino Creek Well Field area, located at the Chino Airport. The initial payment of \$295,200 to the Chino Basin Desalter Authority was issued in March 2012. This budget category also includes the \$30,000 quarterly InSar Imagery costs which are tracking well below the budget.

The Recharge Improvement Debt Payment (Category 7690) is another category which the budget and expense fluctuate due to the timing of expense receipts. Watermaster received a credit from IEUA in the amount of \$296,265 during the month of January. This credit is the direct result of the refinancing efforts by IEUA and a true-up of the budgeted costs vs. actual payments on the debt servicing to IEUA. Currently, this category is below the budgeted amount by \$272,829. A majority of the excess funds from this category have been approved by the Board. The amount of \$162,236 has been appropriated for use for the upcoming 3-year Turner Basin Improvements, which are estimated in the range of \$270K+. An amount of \$30,900 has been appropriated for the Hickory Basin improvement. The remaining balance of \$79,693 has not been appropriated.

Added to the financial reports during the month of November 2011, the chart 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. 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. As of March 31, 2012, the total (YTD) Engineering expenses are (\$215,105) or (9.5%) below the (YTD) budget amount of \$2,254,133. The following details are provided:

|   | Jul '11 - Mar '12   | Budget              | \$ Over Budget     | % of Budget   | Annual Budget       |
|---|---------------------|---------------------|--------------------|---------------|---------------------|
| 6906.1 · OBMP - Watermaster Model Update          | 301,563.98          | 294,010.00          | 7,553.98           | 102.57%       | 354,010.00          |
| 6906 · OBMP Engineering Services - Other          | 169,050.75          | 190,364.00          | -21,313.25         | 88.8%         | 224,304.00          |
| 7103.3 · Grdwtr Qual-Engineering                  | 96,887.00           | 83,350.00           | 13,537.00          | 116.24%       | 86,470.00           |
| 7103.5 · Grdwtr Qual-Lab Svcs                     | 32,168.00           | 29,662.26           | 2,505.74           | 108.45%       | 36,883.00           |
| 7104.3 · Grdwtr Level-Engineering                 | 196,129.56          | 146,284.00          | 49,845.56          | 134.08%       | 172,518.00          |
| 7104.8 · Grdwtr Level-Contracted Serv             | 0.00                | 7,500.01            | -7,500.01          | 0.0%          | 10,000.00           |
| 7104.9 · Grdwtr Level-Capital Equip               | 0.00                | 10,443.75           | -10,443.75         | 0.0%          | 13,925.00           |
| 7107.2 · Grd Level-Engineering                    | 190,311.01          | 124,826.26          | 65,484.75          | 152.46%       | 166,435.00          |
| 7107.3 · Grd Level-SAR Imagery                    | 0.00                | 90,000.00           | -90,000.00         | 0.0%          | 120,000.00          |
| 7107.6 · Grd Level-Contract Svcs                  | 171,403.01          | 168,551.24          | 2,851.77           | 101.69%       | 224,735.00          |
| 7107.7 · Grd Level-Extensometer Install           | 295,200.00          | 465,002.00          | -169,802.00        | 63.48%        | 465,001.00          |
| 7107.8 · Grd Level-Cap Equip Exte                 | 0.00                | 19,321.50           | -19,321.50         | 0.0%          | 25,762.00           |
| 7108.3 · Hydraulic Control-Engineering            | 201,256.13          | 220,234.00          | -18,977.87         | 91.38%        | 246,956.00          |
| 7108.4 · Hydraulic Control-Lab Svcs               | 109,710.00          | 128,136.74          | -18,426.74         | 85.62%        | 170,849.00          |
| 7108.9 · Hydraulic Control-Contract Svcs          | 0.00                | 1,499.99            | -1,499.99          | 0.0%          | 2,000.00            |
| 7109.3 · Recharge & Well - Engineering            | 0.00                | 4,464.00            | -4,464.00          | 0.0%          | 6,696.00            |
| 7202.2 · Engineering Svc                          | 0.00                | 7,740.00            | -7,740.00          | 0.0%          | 10,320.00           |
| 7202.3 · Comp Recharge-Implementation             | 131,985.77          | 107,490.00          | 24,495.77          | 122.79%       | 122,490.00          |
| 7303 · PE3&5-Engineering - Other                  | 36,221.00           | 36,221.00           | 0.00               | 100.0%        | 36,221.00           |
| 7402 · PE4-Engineering                            | 36,332.76           | 37,622.00           | -1,289.24          | 96.57%        | 50,123.00           |
| 7403 · PE4-Contract Svcs                          | 0.00                | 7,500.01            | -7,500.01          | 0.0%          | 10,000.00           |
| 7502 · PE6&7-Engineering                          | 30,588.82           | 36,120.01           | -5,531.19          | 84.69%        | 48,160.00           |
| 7503 · PE6&7-Contract Svcs (Plume)                | 40,220.00           | 37,790.00           | 2,430.00           | 106.43%       | 37,790.00           |
| <b>Total Wildermuth Environmental, Inc. Costs</b> | <b>2,039,027.79</b> | <b>2,254,132.77</b> | <b>-215,104.98</b> | <b>90.46%</b> | <b>2,641,648.00</b> |

**Other Income and Expense:**

In August 2011, Watermaster received two payments from the Metropolitan Water District. Metropolitan entered into agreements with Watermaster and other member agencies and partners for dry-year groundwater storage. Pursuant to Section VI of these agreements, Metropolitan committed to pay an annual administrative fee to one of the partners on each of the agreements for the 25-year term of the each agreement a) beginning on July 1<sup>st</sup> after the initial storage of water in each program, and b) with the set fee dollar amount escalating annually by the lesser of 2.5% or CPI. Watermaster received \$145,568.70 for the FY 2009/2010 payment (due July 1, 2010) and \$149,207.92 for the FY 2010/2011 payment (due July 1, 2011). The total amount received of \$294,776.62 was recorded to account 4040 (Cooperative Agreements).

A portion of the \$294,776.62 (the amount of \$243,580) has now been included in the FY 2011/2012. An amount of \$91,580 is being used to offset the additional extensometer costs, \$120,000 is being used to offset other salary costs, and \$32,000 is being used to fund the CEO Recruitment costs (\$91,580 + \$120,000 + \$32,000 = \$243,580). The balance of un-appropriated revenue of \$51,196.62 (\$294,776.62 - \$243,580.00 = \$51,196.62) will be used for reducing approximately ½ of the projected legal cost variance within the Brownstein Hyatt Farber Schreck category. The request for appropriation of these funds will be completed next month with a Budget Amendment Form.

With the exceptions previously noted, there were no other unusual or significant transactions or events during the month of March 2012. Looking ahead, the month of April should provide similar financial results.

**Actions:**

- May 10, 2012 Appropriative Pool – Approved unanimously
- May 10, 2012 Non-Agricultural Pool – Moved to receive and file without approval
- May 10, 2012 Agricultural Pool – Approved unanimously
- May 17, 2012 Advisory Committee – Approved unanimously
- May 24, 2012 Watermaster Board –

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

|                                       | 1/12th of the Total Budget  |            |                |             | 9/12th (75%) of the Total Budget  |              |                |             | 100% of the Total Budget            |              |                |             |
|---------------------------------------|-----------------------------|------------|----------------|-------------|-----------------------------------|--------------|----------------|-------------|-------------------------------------|--------------|----------------|-------------|
|                                       | For The Month of March 2012 |            |                |             | Year-To-Date as of March 31, 2012 |              |                |             | Fiscal Year End as of June 30, 2012 |              |                |             |
|                                       | Actual                      | Budget     | \$ Over(Under) | % of Budget | Actual                            | Budget       | \$ Over(Under) | % of Budget | Projected                           | Budget       | \$ Over(Under) | % of Budget |
| <b>Income</b>                         |                             |            |                |             |                                   |              |                |             |                                     |              |                |             |
| 4010 · Local Agency Subsidies         | 0.00                        | 32,000.00  | -32,000.00     | 0.0%        | 705,776.62                        | 654,580.00   | 51,196.62      | 107.82%     | 705,776.62                          | 654,580.00   | 51,196.62      | 107.82%     |
| 4110 · Admin Asmnts-Approp Pool       | 0.00                        | 0.00       | 0.00           | 0.0%        | 5,844,371.90                      | 5,844,797.00 | -425.10        | 99.99%      | 5,919,797.00                        | 5,919,797.00 | 0.00           | 100.0%      |
| 4120 · Admin Asmnts-Non-Agri Pool     | 0.00                        | 0.00       | 0.00           | 0.0%        | 252,358.50                        | 252,380.00   | -21.50         | 99.99%      | 252,380.00                          | 252,380.00   | 0.00           | 100.0%      |
| 4700 · Non Operating Revenues         | 4,331.01                    | 37,502.50  | -33,171.49     | 11.55%      | 13,203.10                         | 112,507.50   | -99,304.40     | 11.74%      | 40,000.00                           | 150,010.00   | -110,010.00    | 26.67%      |
| 4900 · Miscellaneous Income           | 0.00                        | 0.00       | 0.00           | 0.0%        | 0.00                              | 0.00         | 0.00           | 0.0%        | 0.00                                | 0.00         | 0.00           | 0.0%        |
| <b>Total Income</b>                   | 4,331.01                    | 69,502.50  | -65,171.49     | 6.23%       | 6,815,710.12                      | 6,864,264.50 | -48,554.38     | 99.29%      | 6,917,953.62                        | 6,976,767.00 | -58,813.38     | 99.16%      |
| <b>Gross Profit</b>                   | 4,331.01                    | 69,502.50  | -65,171.49     | 6.23%       | 6,815,710.12                      | 6,864,264.50 | -48,554.38     | 99.29%      | 6,917,953.62                        | 6,976,767.00 | -58,813.38     | 99.16%      |
| <b>Expense</b>                        |                             |            |                |             |                                   |              |                |             |                                     |              |                |             |
| 6010 · Salary Costs                   | 29,932.86                   | 50,962.99  | -21,030.13     | 58.74%      | 387,403.02                        | 433,550.29   | -46,147.27     | 89.36%      | 592,976.00                          | 592,976.00   | 0.00           | 100.0%      |
| 6020 · Office Building Expense        | 8,551.88                    | 8,331.00   | 220.88         | 102.65%     | 73,919.76                         | 77,439.00    | -3,519.24      | 95.46%      | 103,369.00                          | 103,369.00   | 0.00           | 100.0%      |
| 6030 · Office Supplies & Equip.       | 2,406.45                    | 2,125.00   | 281.45         | 113.25%     | 15,421.13                         | 19,125.00    | -3,703.87      | 80.63%      | 25,500.00                           | 25,500.00    | 0.00           | 100.0%      |
| 6040 · Postage & Printing Costs       | 3,605.95                    | 5,065.00   | -1,459.05      | 71.19%      | 36,484.55                         | 50,885.00    | -14,400.45     | 71.7%       | 66,180.00                           | 66,180.00    | 0.00           | 100.0%      |
| 6050 · Information Services           | 9,529.36                    | 12,085.00  | -2,555.64      | 78.85%      | 94,744.87                         | 111,765.00   | -17,020.13     | 84.77%      | 148,020.00                          | 148,020.00   | 0.00           | 100.0%      |
| 6060 · Contract Services              | 0.00                        | 32,000.00  | -32,000.00     | 0.0%        | 13,188.75                         | 66,000.00    | -52,811.25     | 19.98%      | 66,000.00                           | 66,000.00    | 0.00           | 100.0%      |
| 6070 · Watermaster Legal Services     | 14,639.60                   | 11,679.58  | 2,960.02       | 125.34%     | 179,747.70                        | 167,516.26   | 12,231.44      | 107.3%      | 202,555.00                          | 202,555.00   | 0.00           | 100.0%      |
| 6080 · Insurance                      | 0.00                        | 0.00       | 0.00           | 0.0%        | 17,740.87                         | 19,036.00    | -1,295.13      | 93.2%       | 19,036.00                           | 19,036.00    | 0.00           | 100.0%      |
| 6110 · Dues and Subscriptions         | 378.00                      | 1,500.00   | -1,122.00      | 25.2%       | 27,159.15                         | 28,770.00    | -1,610.85      | 94.4%       | 30,000.00                           | 30,000.00    | 0.00           | 100.0%      |
| 6140 · WM Admin Expenses              | 0.00                        | 250.00     | -250.00        | 0.0%        | 845.40                            | 2,250.00     | -1,404.60      | 37.57%      | 3,000.00                            | 3,000.00     | 0.00           | 100.0%      |
| 6150 · Field Supplies                 | 0.00                        | 0.00       | 0.00           | 0.0%        | 297.58                            | 750.00       | -452.42        | 39.68%      | 1,600.00                            | 1,600.00     | 0.00           | 100.0%      |
| 6170 · Travel & Transportation        | 1,688.97                    | 2,212.50   | -523.53        | 76.34%      | 14,107.98                         | 16,477.50    | -2,369.52      | 85.62%      | 21,970.00                           | 21,970.00    | 0.00           | 100.0%      |
| 6190 · Conferences & Seminars         | 100.00                      | 0.00       | 100.00         | 100.0%      | 4,279.44                          | 13,125.00    | -8,845.56      | 32.61%      | 17,500.00                           | 17,500.00    | 0.00           | 100.0%      |
| 6200 · Advisory Comm - WM Board       | 2,805.28                    | 4,504.25   | -1,698.97      | 62.28%      | 38,744.59                         | 40,538.25    | -1,793.66      | 95.58%      | 54,051.00                           | 54,051.00    | 0.00           | 100.0%      |
| 6300 · Watermaster Board Expenses     | 10,752.03                   | 7,237.17   | 3,514.86       | 148.57%     | 102,599.26                        | 79,834.49    | 22,764.77      | 128.52%     | 101,246.00                          | 101,246.00   | 0.00           | 100.0%      |
| 8300 · Appr PI-WM & Pool Admin        | 84,205.68                   | 49,190.00  | 35,015.68      | 171.19%     | 116,351.80                        | 116,700.54   | -348.74        | 99.7%       | 159,270.54                          | 159,270.54   | 0.00           | 100.0%      |
| 8400 · Agri Pool-WM & Pool Admin      | 5,098.65                    | 5,319.09   | -220.44        | 95.86%      | 40,462.63                         | 47,871.73    | -7,409.10      | 84.52%      | 63,829.00                           | 63,829.00    | 0.00           | 100.0%      |
| 8467 · Ag Legal & Technical Services  | 7,740.00                    | 17,583.33  | -9,843.33      | 44.02%      | 71,700.08                         | 158,250.01   | -86,549.93     | 45.31%      | 211,000.00                          | 211,000.00   | 0.00           | 100.0%      |
| 8470 · Ag Meeting Attend -Special     | 1,400.00                    | 1,000.00   | 400.00         | 140.0%      | 14,000.00                         | 9,000.00     | 5,000.00       | 155.56%     | 12,000.00                           | 12,000.00    | 0.00           | 100.0%      |
| 8471 · Ag Pool Expense                | 0.00                        | 16,250.00  | -16,250.00     | 0.0%        | 0.00                              | 48,750.00    | -48,750.00     | 0.0%        | 65,000.00                           | 65,000.00    | 0.00           | 100.0%      |
| 8485 · Ag Pool - Misc. Exp. - Ag Fund | 0.00                        | 0.00       | 0.00           | 0.0%        | 99.34                             | 0.00         | 99.34          | 100.0%      | 0.00                                | 0.00         | 0.00           | 0.0%        |
| 8500 · Non-Ag PI-WM & Pool Admin      | 23,275.39                   | 22,726.08  | 549.31         | 102.42%     | 103,574.52                        | 96,519.08    | 7,055.44       | 107.31%     | 107,697.32                          | 107,697.32   | 0.00           | 100.0%      |
| 6500 · Education Funds Use Expens     | 0.00                        | 0.00       | 0.00           | 0.0%        | 375.00                            | 375.00       | 0.00           | 100.0%      | 375.00                              | 375.00       | 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     | -60,768.98                  | -60,049.92 | -719.06        | 101.2%      | -361,160.89                       | -540,449.24  | 179,288.35     | 66.83%      | -720,599.00                         | -720,599.00  | 0.00           | 100.0%      |
| 6900 · Optimum Basin Mgmt Plan        | 124,428.59                  | 80,272.99  | 44,155.60      | 155.01%     | 902,115.78                        | 873,853.28   | 28,262.50      | 103.23%     | 1,053,121.00                        | 1,053,121.00 | 0.00           | 100.0%      |
| 6950 · Mutual Agency Projects         | 0.00                        | 0.00       | 0.00           | 0.0%        | 0.00                              | 0.00         | 0.00           | 0.0%        | 10,000.00                           | 10,000.00    | 0.00           | 100.0%      |
| 9501 · G&A Expenses Allocated-OBMP    | 25,051.17                   | 18,031.25  | 7,019.92       | 138.93%     | 141,717.50                        | 162,281.25   | -20,563.75     | 87.33%      | 216,375.00                          | 216,375.00   | 0.00           | 100.0%      |
| 7101 · Production Monitoring          | 9,427.59                    | 8,741.67   | 685.92         | 107.85%     | 78,230.79                         | 87,674.99    | -9,444.20      | 89.23%      | 104,900.00                          | 104,900.00   | 0.00           | 100.0%      |
| 7102 · In-line Meter Installation     | 17,268.20                   | 5,530.25   | 11,735.95      | 312.21%     | 68,541.26                         | 49,772.25    | 18,769.01      | 137.71%     | 66,363.00                           | 66,363.00    | 0.00           | 100.0%      |
| 7103 · Grdwtr Quality Monitoring      | 3,222.31                    | 9,332.75   | -6,110.44      | 34.53%      | 182,854.68                        | 183,939.75   | -1,085.07      | 99.41%      | 209,923.00                          | 209,923.00   | 0.00           | 100.0%      |

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|  | 1/12th of the Total Budget  |                    |                    |                | 9/12th (75%) of the Total Budget  |                     |                      |                  | 100% of the Total Budget            |                     |                      |                   |
|--|-----------------------------|--------------------|--------------------|----------------|-----------------------------------|---------------------|----------------------|------------------|-------------------------------------|---------------------|----------------------|-------------------|
|  | For The Month of March 2012 |                    |                    |                | Year-To-Date as of March 31, 2012 |                     |                      |                  | Fiscal Year End as of June 30, 2012 |                     |                      |                   |
|  | Actual                      | Budget             | \$ Over(Under)     | % of Budget    | Actual                            | Budget              | \$ Over(Under)       | % of Budget      | Projected                           | Budget              | \$ Over(Under)       | % of Budget       |
| 7104 · Gdwtr Level Monitoring          | 22,646.63                   | 21,316.91          | 1,329.72           | 106.24%        | 234,097.58                        | 240,250.02          | -6,152.44            | 97.44%           | 297,806.00                          | 297,806.00          | 0.00                 | 100.0%            |
| 7105 · Sur Wtr Qual Monitoring         | 0.00                        | 291.00             | -291.00            | 0.0%           | 567.23                            | 2,694.00            | -2,126.77            | 21.06%           | 3,592.00                            | 3,592.00            | 0.00                 | 100.0%            |
| 7107 · Ground Level Monitoring         | 35,993.86                   | 87,213.00          | -51,219.14         | 41.27%         | 657,935.02                        | 868,875.50          | -210,940.48          | 75.72%           | 1,003,500.00                        | 1,003,500.00        | 0.00                 | 100.0%            |
| 7108 · Hydraulic Control Monitoring    | 66,543.06                   | 63,859.17          | 2,683.89           | 104.2%         | 316,863.17                        | 355,325.49          | -38,462.32           | 89.18%           | 427,078.00                          | 427,078.00          | 0.00                 | 100.0%            |
| 7109 · Recharge & Well Monitoring Prog | 0.00                        | 2,232.00           | -2,232.00          | 0.0%           | 0.00                              | 4,464.00            | -4,464.00            | 0.0%             | 6,696.00                            | 6,696.00            | 0.00                 | 100.0%            |
| 7200 · PE2- Comp Recharge Pgm          | 42,206.21                   | 20,450.59          | 21,755.62          | 206.38%        | 1,031,813.45                      | 1,003,266.23        | 28,547.22            | 102.85%          | 1,233,275.00                        | 1,233,275.00        | 0.00                 | 100.0%            |
| 7300 · PE3&5-Water Supply/Desalte      | 8,213.06                    | 3,795.25           | 4,417.81           | 216.4%         | 69,950.11                         | 70,378.25           | -428.14              | 99.39%           | 81,764.00                           | 81,764.00           | 0.00                 | 100.0%            |
| 7400 · PE4- Mgmt Plan                  | 7,281.65                    | 11,052.91          | -3,771.26          | 65.88%         | 45,418.87                         | 55,873.27           | -10,454.40           | 81.29%           | 74,457.00                           | 74,457.00           | 0.00                 | 100.0%            |
| 7500 · PE6&7-CoopEfforts/SaltMgmt      | 4,386.51                    | 4,262.66           | 123.85             | 102.91%        | 95,796.83                         | 76,154.02           | 19,642.81            | 125.79%          | 88,942.00                           | 88,942.00           | 0.00                 | 100.0%            |
| 7600 · PE8&9-StorageMgmt/Conj Use      | 5,326.35                    | 3,785.25           | 1,541.10           | 140.71%        | 33,764.16                         | 34,329.75           | -565.59              | 98.35%           | 45,773.00                           | 45,773.00           | 0.00                 | 100.0%            |
| 7690 · Recharge Improvement Debt Pymt  | 193,136.00                  | 30,900.00          | 162,236.00         | 625.04%        | 371,271.00                        | 450,964.00          | -79,693.00           | 82.33%           | 450,964.00                          | 450,964.00          | 0.00                 | 100.0%            |
| 7700 · Inactive Well Protection Prgm   | 0.00                        | 0.00               | 0.00               | 0.0%           | 167.97                            | 1,059.75            | -891.78              | 15.85%           | 1,413.00                            | 1,413.00            | 0.00                 | 100.0%            |
| 9502 · G&A Expenses Allocated-Projects | 35,717.81                   | 42,018.67          | -6,300.86          | 85.01%         | 241,775.06                        | 378,167.99          | -136,392.93          | 63.93%           | 504,224.00                          | 504,224.00          | 0.00                 | 100.0%            |
| <b>Total Expense</b>                   | <b>746,188.12</b>           | <b>603,057.39</b>  | <b>143,130.73</b>  | <b>123.73%</b> | <b>5,464,966.99</b>               | <b>5,963,402.70</b> | <b>-498,435.71</b>   | <b>91.64%</b>    | <b>7,231,741.86</b>                 | <b>7,231,741.86</b> | <b>0.00</b>          | <b>100.0%</b>     |
| <b>Net Ordinary Income</b>             | <b>-741,857.11</b>          | <b>-533,554.89</b> | <b>-208,302.22</b> | <b>139.04%</b> | <b>1,350,743.13</b>               | <b>900,861.80</b>   | <b>449,881.33</b>    | <b>149.94%</b>   | <b>-313,788.24</b>                  | <b>-254,974.86</b>  | <b>-58,813.38</b>    | <b>123.07%</b>    |
| <b>Other Income</b>                    |                             |                    |                    |                |                                   |                     |                      |                  |                                     |                     |                      |                   |
| 4225 · Interest Income                 | 270.33                      | 0.00               | 270.33             | 100.0%         | 277.34                            | 0.00                | 277.34               | 100.0%           | 277.34                              | 0.00                | 277.34               | 100.0%            |
| 4210 · Approp Pool-Replenishment       | 0.00                        | 0.00               | 0.00               | 0.0%           | 686,814.11                        | 0.00                | 686,814.11           | 100.0%           | 686,814.15                          | 0.00                | 686,814.15           | 100.0%            |
| 4220 · Non-Ag Pool-Replenishment       | 0.00                        | 0.00               | 0.00               | 0.0%           | 27,469.75                         | 0.00                | 27,469.75            | 100.0%           | 27,469.75                           | 0.00                | 27,469.75            | 100.0%            |
| 4600 · Groundwater Sales               | 0.00                        | 0.00               | 0.00               | 0.0%           | 12,647,183.31                     | 0.00                | 12,647,183.31        | 100.0%           | 12,647,183.31                       | 0.00                | 12,647,183.31        | 100.0%            |
| <b>Total Other Income</b>              | <b>270.33</b>               | <b>0.00</b>        | <b>270.33</b>      | <b>100.0%</b>  | <b>13,361,744.51</b>              | <b>0.00</b>         | <b>13,361,744.51</b> | <b>100.0%</b>    | <b>13,361,744.55</b>                | <b>0.00</b>         | <b>13,361,744.55</b> | <b>100.0%</b>     |
| <b>Other Expense</b>                   |                             |                    |                    |                |                                   |                     |                      |                  |                                     |                     |                      |                   |
| 5010 · Groundwater Replenishment       | 0.00                        | 0.00               | 0.00               | 0.0%           | 10,269,932.04                     | 0.00                | 10,269,932.04        | 100.0%           | 10,269,932.04                       | 0.00                | 10,269,932.04        | 100.0%            |
| 5100 · Other Water Purchases           | 0.00                        | 0.00               | 0.00               | 0.0%           | 2,402,395.88                      | 0.00                | 2,402,395.88         | 100.0%           | 2,402,395.88                        | 0.00                | 2,402,395.88         | 100.0%            |
| 9996 · Refund-Excess Reserves-Approp.  | 0.00                        | 0.00               | 0.00               | 0.0%           | 1,957,901.00                      | 0.00                | 1,957,901.00         | 100.0%           | 1,957,901.00                        | 0.00                | 1,957,901.00         | 100.0%            |
| 9997 · Refund-Excess Reserves-NonAg    | 0.00                        | 0.00               | 0.00               | 0.0%           | 81,757.00                         | 0.00                | 81,757.00            | 100.0%           | 81,757.00                           | 0.00                | 81,757.00            | 100.0%            |
| 9998 · Refund-Recharge Debt-Approp.    | 0.00                        | 0.00               | 0.00               | 0.0%           | 584,280.00                        | 0.00                | 584,280.00           | 100.0%           | 584,280.00                          | 0.00                | 584,280.00           | 100.0%            |
| 9999 · To/(From) Reserves              | -741,586.78                 | -533,554.89        | -208,031.89        | 138.99%        | -583,778.28                       | 900,861.80          | -1,484,640.08        | -64.8%           | -2,248,309.61                       | -254,974.86         | -1,993,334.75        | 881.78%           |
| <b>Total Other Expense</b>             | <b>-741,586.78</b>          | <b>-533,554.89</b> | <b>-208,031.89</b> | <b>138.99%</b> | <b>14,712,487.64</b>              | <b>900,861.80</b>   | <b>13,811,625.84</b> | <b>1,633.16%</b> | <b>13,047,956.31</b>                | <b>-254,974.86</b>  | <b>13,302,931.17</b> | <b>-5,117.35%</b> |
| <b>Net Other Income</b>                | <b>741,857.11</b>           | <b>533,554.89</b>  | <b>208,302.22</b>  | <b>139.04%</b> | <b>-1,350,743.13</b>              | <b>-900,861.80</b>  | <b>-449,881.33</b>   | <b>149.94%</b>   | <b>313,788.24</b>                   | <b>254,974.86</b>   | <b>58,813.38</b>     | <b>123.07%</b>    |
| <b>Net Income</b>                      | <b>0.00</b>                 | <b>0.00</b>        | <b>0.00</b>        | <b>0.0%</b>    | <b>0.00</b>                       | <b>0.00</b>         | <b>0.00</b>          | <b>0.0%</b>      | <b>0.00</b>                         | <b>0.00</b>         | <b>0.00</b>          | <b>0.0%</b>       |

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



# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR

### **C. WATER TRANSACTIONS**

1. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Upland. The transfer will be made first from the City of Upland’s under-production in Fiscal Year 2011-12, then any additional from storage. Date of Application: March 26, 2012.
2. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. The transfer will be made from Monte Vista Irrigation Company’s Excess Carryover Account. Date of Application: March 26, 2012.
3. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. The transfer will be made from Monte Vista Water District’s Excess Carryover Account. Date of Application: March 26, 2012.
4. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the Santa Ana River Water Company. The transfer will be made first from the Santa Ana River Water Company’s under-production in Fiscal Year 2011-12, then any additional from storage. Date of Application: March 26, 2012.
5. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Chino. The transfer will be made from the City of Chino’s Excess Carryover Account. Date of Application: March 26, 2012.
6. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. The transfer will be made from Aqua Capital Management’s Local Storage Account. Date of Application: March 26, 2012.
7. **Consider Approval for Notice of Sale or Transfer** – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Auto Club Speedway. The transfer will be made from Auto Club Speedway’s Local Storage Account. Date of Application: March 26, 2012.



***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**

Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Upland. The transfer will be made first from the City of Upland’s under-production in Fiscal Year 2011-12, then any additional from storage.

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

Appropriative Pool: April 12, 2012

Non-Agricultural Pool: April 12, 2012

Agricultural Pool: April 12, 2012

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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## CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

### Summary –

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

### Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Upland. The transfer will be made first from the City of Upland's under-production in Fiscal Year 2011-12, then any additional from storage.

### Recommendation –

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

### Fiscal Impact –

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

### Background

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

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

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Upland. The transfer will be made first from the City of Upland's under-production in Fiscal Year 2011-12, then any additional from storage.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Appropriative Pool replenishment obligation of 1,189,608 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Appropriators to fulfill the replenishment obligation. Watermaster is taking advantage of the City of Upland's offer to sell 169,944 acre-feet of water to Watermaster. The transfer will be made first from the City of Upland's under-production in Fiscal Year 2011-12, then any additional from storage.



# CHINO BASIN WATERMASTER

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

March 26, 2012

## CITY OF UPLAND'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 169,944 acre-feet of water from the City of Upland. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made first from the City of Upland's under-production in Fiscal Year 2011-12, then any additional from storage.

If these terms are acceptable to the City of Upland, please sign below and return to Watermaster at your earliest convenience.

---

Signature: Rosemary Hoerning  
Printed Name: ROSEMARY HOERNING  
Title: PUBLIC WORKS DIRECTOR  
Date Signed: 3/28/2012

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

**FISCAL YEAR 20 11 - 20 12**

**DATE REQUESTED:** March 26, 2012

**AMOUNT REQUESTED:** 169.944 Acre-Feet

| <b>TRANSFER FROM (SELLER / TRANSFEROR):</b>                   | <b>TRANSFER TO (BUYER / TRANSFEREE):</b>                      |
|---|---|
| <u>City of Upland</u>   | <u>Chino Basin Watermaster</u>                                |
| Name of Party   | Name of Party   |
| <u>P.O. Box 460</u>   | <u>9641 San Bernardino Rd</u>                                 |
| Street Address  | Street Address  |
| <u>Upland</u> <u>CA</u> <u>91785</u>                          | <u>Rancho Cucamonga</u> <u>CA</u> <u>91730</u>                |
| City                              State              Zip Code | City                              State              Zip Code |
| <u>(909) 931-4231</u>   | <u>(909) 484-3888</u>   |
| Telephone   | Telephone   |
| <u>(909) 931-4274</u>   | <u>(909) 484-3890</u>   |
| Facsimile   | Facsimile   |

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party? Yes  No

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

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

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

N/A (paper transfer) \_\_\_\_\_ N/A (paper transfer) \_\_\_\_\_  
 Projected Rate of Recapture Projected Duration of Recapture

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

N/A

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

N/A

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

N/A

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

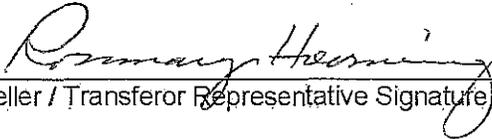
N/A

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

**ADDITIONAL INFORMATION ATTACHED**

Yes  No



Seller / Transferor Representative Signature

Rosemary Hoerning

Seller / Transferor Representative Name (Printed)



Buyer / Transferee Representative Signature

Ken Jeske

Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**                      Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. The transfer will be made from Monte Vista Irrigation Company’s Excess Carryover Account.

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

|                        |                |
|------------------------|----------------|
| Appropriative Pool:    | April 12, 2012 |
| Non-Agricultural Pool: | April 12, 2012 |
| Agricultural Pool:     | April 12, 2012 |

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

### Summary –

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

### Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. The transfer will be made from Monte Vista Irrigation Company's Excess Carryover Account.

### Recommendation –

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

### Fiscal Impact –

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

### Background

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

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

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. The transfer will be made from Monte Vista Irrigation Company's Excess Carryover Account.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Appropriative Pool replenishment obligation of 1,189.608 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Appropriators to fulfill the replenishment obligation. Watermaster is taking advantage of Monte Vista Irrigation Company's offer to sell 169.944 acre-feet of water to Watermaster. The transfer will be made from the Monte Vista Irrigation Company's Excess Carryover Account.



# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730

Tel: 909.484.3888 Fax: 909.484.3890

[www.cbwm.org](http://www.cbwm.org)

RECEIVED

MAR 29 2012

CHINO BASIN WATERMASTER

March 26, 2012

## MONTE VISTA IRRIGATION COMPANY'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Irrigation Company. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made from Monte Vista Irrigation Company's Excess Carryover account.

If these terms are acceptable to Monte Vista Irrigation Company, please sign below and return to Watermaster at your earliest convenience.

Signature: \_\_\_\_\_

*Mark Kinsey*

Printed Name: \_\_\_\_\_

MARK KINSEY

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

General Manager

Date Signed: \_\_\_\_\_

3/27/2012

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

**FISCAL YEAR 20 11 - 20 12**

**DATE REQUESTED:** March 26, 2012

**AMOUNT REQUESTED:** 169.944 Acre-Feet

| <b>TRANSFER FROM (SELLER / TRANSFEROR):</b>                           | <b>TRANSFER TO (BUYER / TRANSFEREE):</b>                              |
|---|---|
| <u>Monte Vista Irrigation Company</u>                                 | <u>Chino Basin Watermaster</u>  |
| Name of Party   | Name of Party   |
| <u>P.O. Box 71</u>  | <u>9641 San Bernardino Rd</u>   |
| Street Address  | Street Address  |
| <u>Montclair</u> <u>CA</u> <u>91763</u>                               | <u>Rancho Cucamonga</u> <u>CA</u> <u>91730</u>                        |
| City                                      State              Zip Code | City                                      State              Zip Code |
| <u>(909) 624-3812</u>   | <u>(909) 484-3888</u>   |
| Telephone   | Telephone   |
| <u>(909) 624-0037</u>   | <u>(909) 484-3890</u>   |
| Facsimile   | Facsimile   |

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party? Yes  No

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

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

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

N/A (paper transfer) \_\_\_\_\_ N/A (paper transfer) \_\_\_\_\_  
 Projected Rate of Recapture Projected Duration of Recapture

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

N/A \_\_\_\_\_

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

N/A \_\_\_\_\_

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

N/A \_\_\_\_\_

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A \_\_\_\_\_

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

N/A \_\_\_\_\_

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A \_\_\_\_\_

N/A \_\_\_\_\_

N/A \_\_\_\_\_

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

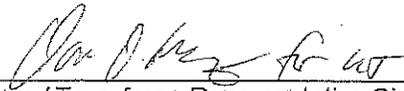
**ADDITIONAL INFORMATION ATTACHED**

Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

Mark Kinsey  
\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)



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

Ken Jeske  
\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**                      Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. The transfer will be made from Monte Vista Water District’s Excess Carryover Account.

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

|                        |                |
|------------------------|----------------|
| Appropriative Pool:    | April 12, 2012 |
| Non-Agricultural Pool: | April 12, 2012 |
| Agricultural Pool:     | April 12, 2012 |

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

## Summary –

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

## Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. The transfer will be made from Monte Vista Water District's Excess Carryover Account.

## Recommendation –

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

## Fiscal Impact –

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

## Background

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

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

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- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. The transfer will be made from Monte Vista Water District's Excess Carryover Account.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Appropriative Pool replenishment obligation of 1,189,608 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Appropriators to fulfill the replenishment obligation. Watermaster is taking advantage of Monte Vista Water District's offer to sell 169,944 acre-feet of water to Watermaster. The transfer will be made from the Monte Vista Water District's Excess Carryover Account.



RECEIVED

# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890

MAR 29 2012  
www.cbwm.org  
CHINO BASIN WATERMASTER

March 26, 2012

## MONTE VISTA WATER DISTRICT'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 169.944 acre-feet of water from Monte Vista Water District. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made from Monte Vista Water District's Excess Carryover account.

If these terms are acceptable to Monte Vista Water District, please sign below and return to Watermaster at your earliest convenience.

---

Signature: 

Printed Name: MARK Kinsey

Title: General Manager

Date Signed: 3/27/2012

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

**FISCAL YEAR 20 11- 20 12**

**DATE REQUESTED:** March 26, 2012

**AMOUNT REQUESTED:** 169.944 Acre-Feet

|   |           |              |  |           |              |
|---|-----------|--------------|--|-----------|--------------|
| <b>TRANSFER FROM (SELLER / TRANSFEROR):</b> |           |              | <b>TRANSFER TO (BUYER / TRANSFEREE):</b> |           |              |
| <u>Monte Vista Water District</u>           |           |              | <u>Chino Basin Watermaster</u>           |           |              |
| Name of Party                               |           |              | Name of Party                            |           |              |
| <u>P.O. Box 71</u>                          |           |              | <u>9641 San Bernardino Rd</u>            |           |              |
| Street Address                              |           |              | Street Address                           |           |              |
| <u>Montclair</u>                            | <u>CA</u> | <u>91763</u> | <u>Rancho Cucamonga</u>                  | <u>CA</u> | <u>91730</u> |
| City  | State     | Zip Code     | City                                     | State     | Zip Code     |
| <u>(909) 624-3812</u>                       |           |              | <u>(909) 484-3888</u>                    |           |              |
| Telephone                                   |           |              | Telephone                                |           |              |
| <u>(909) 624-0037</u>                       |           |              | <u>(909) 484-3890</u>                    |           |              |
| Facsimile                                   |           |              | Facsimile                                |           |              |

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

- Annual Production Right (Appropriative Pool) or Operating Safe Yield (Non-Agricultural Pool)
- Storage
- Annual Production Right / Operating Safe Yield first, then any additional from Storage
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**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party?    Yes     No

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

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

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

|                             |                                 |
|-----------------------------|---------------------------------|
| N/A (paper transfer)        | N/A (paper transfer)            |
| Projected Rate of Recapture | Projected Duration of Recapture |

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

N/A

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

N/A

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

N/A

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

N/A

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

**ADDITIONAL INFORMATION ATTACHED**

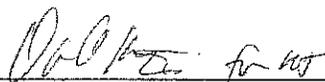
Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

Mark Kinsey

\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)



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

Ken Jeske

\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**

Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169,944 acre-feet of water from the Santa Ana River Water Company. The transfer will be made first from the Santa Ana River Water Company's under-production in Fiscal Year 2011-12, then any additional from storage.

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

Appropriative Pool: April 12, 2012

Non-Agricultural Pool: April 12, 2012

Agricultural Pool: April 12, 2012

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

## Summary –

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

## Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the Santa Ana River Water Company. The transfer will be made first from the Santa Ana River Water Company's under-production in Fiscal Year 2011-12, then any additional from storage.

## Recommendation –

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

## Fiscal Impact –

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

## Background

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

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

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the Santa Ana River Water Company. The transfer will be made first from the Santa Ana River Water Company's under-production in Fiscal Year 2011-12, then any additional from storage.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Appropriative Pool replenishment obligation of 1,189.608 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Appropriators to fulfill the replenishment obligation. Watermaster is taking advantage of the Santa Ana River Water Company's offer to sell 169.944 acre-feet of water to Watermaster. The transfer will be made first from the Santa Ana River Water Company's under-production in Fiscal Year 2011-12, then any additional from storage.



## CHINO BASIN WATERMASTER

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

March 26, 2012

### SANTA ANA RIVER WATER COMPANY'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 169,944 acre-feet of water from the Santa Ana River Water Company. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made first from the Santa Ana River Water Company's under-production in Fiscal Year 2011-12, then any additional from storage.

If these terms are acceptable to the Santa Ana River Water Company, please sign below and return to Watermaster at your earliest convenience.

Signature:

Printed Name:

J. ARNOLD RODRIGUEZ

Title:

GENERAL MANAGER

Date Signed:

MARCH 28, 2012

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

FISCAL YEAR 20 11- 20 12

DATE REQUESTED: March 26, 2012

AMOUNT REQUESTED: 169.944 Acre-Feet

|   |           |                   |  |           |              |
|---|-----------|-------------------|--|-----------|--------------|
| <b>TRANSFER FROM (SELLER / TRANSFEROR):</b> |           |                   | <b>TRANSFER TO (BUYER / TRANSFEREE):</b> |           |              |
| <u>Santa Ana River Water Company</u>        |           |                   | <u>Chino Basin Watermaster</u>           |           |              |
| Name of Party                               |           |                   | Name of Party                            |           |              |
| <u>10530 54<sup>th</sup> Street</u>         |           |                   | <u>9641 San Bernardino Rd</u>            |           |              |
| Street Address                              |           |                   | Street Address                           |           |              |
| <u>Mira Loma</u>                            | <u>CA</u> | <u>91752-2331</u> | <u>Rancho Cucamonga</u>                  | <u>CA</u> | <u>91730</u> |
| City  | State     | Zip Code:         | City                                     | State     | Zip Code     |
| <u>(951) 685-6503</u>                       |           |                   | <u>(909) 484-3888</u>                    |           |              |
| Telephone                                   |           |                   | Telephone                                |           |              |
| <u>(951) 685-1978</u>                       |           |                   | <u>(909) 484-3890</u>                    |           |              |
| Facsimile                                   |           |                   | Facsimile                                |           |              |

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party? Yes  No

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

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

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

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

N/A

SAID TRANSFER SHALL BE CONDITIONED UPON:

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

ADDITIONAL INFORMATION ATTACHED

Yes  No

  
 \_\_\_\_\_  
 Seller / Transferor Representative Signature

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

J. Arnold Rodriguez  
 \_\_\_\_\_  
 Seller / Transferor Representative Name (Printed)

Ken Jeske  
 \_\_\_\_\_  
 Buyer / Transferee Representative Name (Printed)

TO BE COMPLETED BY WATERMASTER STAFF:

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**

Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169,944 acre-feet of water from the City of Chino. The transfer will be made from the City of Chino’s Excess Carryover Account.

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

|                        |                |
|------------------------|----------------|
| Appropriative Pool:    | April 12, 2012 |
| Non-Agricultural Pool: | April 12, 2012 |
| Agricultural Pool:     | April 12, 2012 |

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

### Summary –

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

### Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Chino. The transfer will be made from the City of Chino's Excess Carryover Account.

### Recommendation –

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

### Fiscal Impact –

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

### Background

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

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

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Chino. The transfer will be made from the City of Chino's Excess Carryover Account.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Appropriative Pool replenishment obligation of 1,189.608 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Appropriators to fulfill the replenishment obligation. Watermaster is taking advantage of the City of Chino's offer to sell 169.944 acre-feet of water to Watermaster. The transfer will be made from the City of Chino's Excess Carryover Account.



# CHINO BASIN WATERMASTER

RECEIVED

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

MAR 28 2012

CHINO BASIN WATERMASTER

March 26, 2012

## CITY OF CHINO'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 169.944 acre-feet of water from the City of Chino. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made from the City of Chino's Excess Carryover account.

If these terms are acceptable to the City of Chino, please sign below and return to Watermaster at your earliest convenience.

Signature: \_\_\_\_\_

*David Crosley*

Printed Name: \_\_\_\_\_

DAVID CROSLEY

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

WATER & ENVIRONMENTAL MANAGER

Date Signed: \_\_\_\_\_

3/27/12

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

**FISCAL YEAR 2011-2012**

**DATE REQUESTED:** March 26, 2012

**AMOUNT REQUESTED:** 169.944 Acre-Feet.

| <b>TRANSFER FROM (SELLER / TRANSFEROR):</b> | <b>TRANSFER TO (BUYER / TRANSFEREE):</b> |
|---|--|
| City of Chino                               | Chino Basin Watermaster                  |
| Name of Party                               | Name of Party                            |
| 5050 Schaefer Ave                           | 9641 San Bernardino Rd                   |
| Street Address                              | Street Address                           |
| Chino CA 91710-5549                         | Rancho Cucamonga CA 91730                |
| City State Zip Code                         | City State Zip Code                      |
| (909) 591-9823                              | (909) 484-3888                           |
| Telephone                                   | Telephone                                |
| (909) 590-5535                              | (909) 484-3890                           |
| Facsimile                                   | Facsimile                                |

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party?    Yes     No

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

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

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

|                             |                                 |
|-----------------------------|---------------------------------|
| N/A (paper transfer)        | N/A (paper transfer)            |
| Projected Rate of Recapture | Projected Duration of Recapture |

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

N/A

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

N/A

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

N/A

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

N/A

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

**ADDITIONAL INFORMATION ATTACHED**

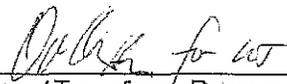
Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

Dave Crosley

\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)



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

Ken Jeske

\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**

Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. The transfer will be made from Aqua Capital Management’s Local Storage Account.

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

Appropriative Pool: April 12, 2012

Non-Agricultural Pool: April 12, 2012

Agricultural Pool: April 12, 2012

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: (909) 484.3888 Fax: (909) 484-3890 www.cbwm.org

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

### Summary –

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

### Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. The transfer will be made from Aqua Capital Management's Local Storage Account.

### Recommendation –

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

### Fiscal Impact –

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

### Background

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

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

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. The transfer will be made from Aqua Capital Management's Local Storage Account.

Notice of the water transaction identified above was mailed on April 5, 2012 along with the materials submitted by the requestors.

**DISCUSSION**

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

The Chino Basin Watermaster has a total Non-Agricultural Pool replenishment obligation of 49.183 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Non-Agricultural Pool Parties to fulfill the replenishment obligation. Watermaster is taking advantage of Aqua Capital Management's offer to sell 16.394 acre-feet of water to Watermaster. The transfer will be made from Aqua Capital Management's Local Storage Account.



# CHINO BASIN WATERMASTER

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

March 26, 2012

## AQUA CAPITAL MANAGEMENT'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 16.394 acre-feet of water from Aqua Capital Management. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made from Aqua Capital Management's Local Storage account.

If these terms are acceptable to Aqua Capital Management, please sign below and return to Watermaster at your earliest convenience.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

David Penrice

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

CEO

Date Signed: \_\_\_\_\_

3/29/12



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

Is the Buyer an 85/15 Party? Yes  No

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

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

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

|                             |                                 |
|-----------------------------|---------------------------------|
| N/A (paper transfer)        | N/A (paper transfer)            |
| Projected Rate of Recapture | Projected Duration of Recapture |

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

N/A

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

N/A

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

N/A

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

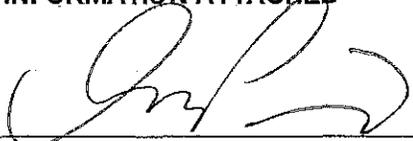
N/A

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

**ADDITIONAL INFORMATION ATTACHED**

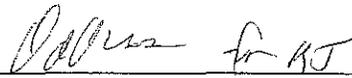
Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

David Penrice

\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)



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

Ken Jeske

\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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

***CHINO BASIN WATERMASTER***

**NOTICE**

**OF**

**APPLICATION(S)**

**RECEIVED FOR**

**WATER TRANSACTIONS – ACTIVITIES**

Date of Notice:

April 5, 2012

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

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Application: **March 26, 2012**                      Date of this notice: **April 5, 2012**

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

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Auto Club Speedway. The transfer will be made from Auto Club Speedway's Local Storage Account.

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

|                        |                |
|------------------------|----------------|
| Appropriative Pool:    | April 12, 2012 |
| Non-Agricultural Pool: | April 12, 2012 |
| Agricultural Pool:     | April 12, 2012 |

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

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

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

Watermaster address:

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

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

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: April 5, 2012

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

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## CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730

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

**DATE:** April 5, 2012  
**TO:** Watermaster Interested Parties  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

### Summary –

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

### Issue –

- Notice of Sale or Transfer – Chino Basin Watermaster will purchase 16.394 acre-feet of water from Auto Club Speedway. The transfer will be made from Auto Club Speedway's Local Storage Account.

### Recommendation –

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

### Fiscal Impact –

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

### Background

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

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

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

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**DISCUSSION**

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

The Chino Basin Watermaster has a total Non-Agricultural Pool replenishment obligation of 49.183 acre-feet. Due to the fact that MWD does not expect to have water available at the replenishment rate this fiscal year, Watermaster wishes to use the option to purchase water from Non-Agricultural Pool Parties to fulfill the replenishment obligation. Watermaster is taking advantage of Auto Club Speedway's offer to sell 16.394 acre-feet of water to Watermaster. The transfer will be made from Auto Club Speedway's Local Storage Account.



# CHINO BASIN WATERMASTER

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

March 26, 2012

## AUTO CLUB SPEEDWAY'S ACCEPTANCE OF WATERMASTER'S WATER TRANSFER TERMS

Chino Basin Watermaster will purchase 16.394 acre-feet of water from Auto Club Speedway. Watermaster will purchase the water at \$560.00 per acre-foot, which is the 2012 MWD Tier 1 rate (not including IEUA and OCWD fees). The transfer will be made from the Auto Club Speedway's Local Storage account.

If these terms are acceptable to Auto Club Speedway, please sign below and return to Watermaster at your earliest convenience.

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

BRIAN GEYER

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

SR. DIRECTOR OPERATIONS

Date Signed: \_\_\_\_\_

4/3/12

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

**FISCAL YEAR 2011-2012**

**DATE REQUESTED:** March 26, 2012

**AMOUNT REQUESTED:** 16.394 Acre-Feet

|   |  |
|---|--|
| <p><b>TRANSFER FROM (SELLER / TRANSFEROR):</b></p> <p><u>Auto Club Speedway</u><br/>                 Name of Party</p> <p><u>9300 Cherry Avenue</u><br/>                 Street Address</p> <p><u>Fontana</u>                      <u>CA</u>                      <u>92335</u><br/>                 City                                      State                      Zip Code</p> <p><u>(909) 429-5651</u><br/>                 Telephone</p> <p><u>(909) 429-5660</u><br/>                 Facsimile</p> | <p><b>TRANSFER TO (BUYER / TRANSFEREE):</b></p> <p><u>Chino Basin Watermaster</u><br/>                 Name of Party</p> <p><u>9641 San Bernardino Rd</u><br/>                 Street Address</p> <p><u>Rancho Cucamonga</u>                      <u>CA</u>                      <u>91730</u><br/>                 City                                      State                      Zip Code</p> <p><u>(909) 484-3888</u><br/>                 Telephone</p> <p><u>(909) 484-3890</u><br/>                 Facsimile</p> |
|---|--|

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

**PURPOSE OF TRANSFER:**

- Pump when other sources of supply are curtailed
- Pump to meet current or future demand over and above production right
- Pump as necessary to stabilize future assessment amounts
- Other, explain To partially fulfill Watermaster's replenishment obligation

**WATER IS TO BE TRANSFERRED FROM:**

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

**WATER IS TO BE TRANSFERRED TO:**

- Annual Production Right / Operating Safe Yield (common)
- Storage (rare)
- Other, explain Watermaster's replenishment obligation

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

Is the Buyer an 85/15 Party? Yes  No

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

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

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

N/A (paper transfer) \_\_\_\_\_ N/A (paper transfer) \_\_\_\_\_  
 Projected Rate of Recapture. Projected Duration of Recapture

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

N/A

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

N/A

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

N/A

**WATER QUALITY AND WATER LEVELS**

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

If yes, please explain:

N/A

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

N/A

**MATERIAL PHYSICAL INJURY**

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

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

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

N/A

N/A

N/A

**SAID TRANSFER SHALL BE CONDITIONED UPON:**

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

**ADDITIONAL INFORMATION ATTACHED**

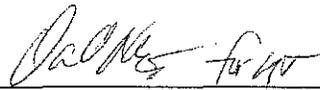
Yes  No



\_\_\_\_\_  
Seller / Transferor Representative Signature

Brian Geye

\_\_\_\_\_  
Seller / Transferor Representative Name (Printed)



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

Ken Jeske

\_\_\_\_\_  
Buyer / Transferee Representative Name (Printed)

**TO BE COMPLETED BY WATERMASTER STAFF:**

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

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

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

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

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

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

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



# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### A. WATERMASTER FISCAL YEAR 2012/2013 BUDGET





# CHINO BASIN WATERMASTER

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

## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Proposed Fiscal Year 2012/2013 Budget

## SUMMARY

**Issue** – Annual Budget for Watermaster Administration and OBMP tasks during FY 2012/2013.

**Recommendations** – Staff recommends the Pools consider approval/adoption of the Proposed FY 2012/2013 Budget.

**Fiscal Impact** – The FY 2012/2013 Proposed Budget expenses are \$6,670,201. The FY 2012/2013 Budget, as proposed, anticipates a decrease in all three expense categories of administrative costs, OBMP expenditures and OBMP project costs over the prior year “amended” budget of \$6,901,767.

## DISCUSSION

Each year, Watermaster staff conducts meetings internally and with consultants to discuss upcoming projects and anticipated work flow. As the budget is developed, the related budgeted expenses are continually refined. The current version of the budget reflects the discussions with consultants and stakeholders.

On April 26, 2012, Watermaster conducted the annual Budget Workshop and discussed the preliminary draft budget in both detail and in summary. The proposed draft budget contained a proposed level of expenses at \$6,670,201 with proposed assessments of \$8.83 per acre-foot for Administration and \$42.20 per acre-foot for OBMP and Implementation Projects, for a combined total of \$51.03 per acre-foot. Staff discussed the changes from last year’s approved budget and this year’s proposed budget. The Total Assessable Production (for budget purposes) was estimated to be 117,125.000 acre-feet which was based upon the actual production numbers for the first three quarters, and projected to estimate the full year’s production. The “projected” Total Assessable Production of 117,125.000 acre-feet is higher than the “actual” previous year’s Total Assessable Production of 113,666.995 acre-feet by 3,458.005 acre-feet or 3.0%. It was discussed that higher production results in the current year will decrease the overall assessments per acre-foot, while lower production numbers will increase the overall assessments per acre-foot.

A discussion regarding the changes in two revenue sources from last year to this year was also discussed. When any additional sources of Income within the budget are reduced, the overall assessment amount will increase because there is a smaller amount to offset the overall assessment amount. In turn, when any additional sources of Income are increased, the overall assessment amount will decrease because there is a larger amount to offset the overall assessment amount. For the current proposed budget, the category of Interest Income is being reflected within the budget at a "realistic" level. In prior years, the level of projected Interest Income from investments at LAIF was budgeted much higher than actual results. As a result, a reduction of \$110,000 from the previous year's budget was calculated. The Interest Income projected for FY 2012/2013 was reduced to \$39,600. The amount of \$39,600 is reflected within the proposed budget and reflects a conservative approach considering the current level of interest rates.

Another reduction in Income was the elimination of the \$111,000 receipt from Hansen Aggregate. A settlement agreement was reached between Watermaster and Hansen Aggregate in 2009 providing for three annual payments of \$111,000 to be paid for damage to the Lower Day Basin. The 3<sup>rd</sup> and final settlement payment was due and received in July 2011 from Hansen Aggregate. Going forward, no future payments are being budgeted by Watermaster within this category and the proposed budget reflects that change.

With these two revenue reductions, the change between last year and this year's budget calculates an overall reduction in Income of \$221,000 (\$110,000 and \$111,000). As stated above, a reduction in Income increases the overall assessment amount because there is a smaller amount of revenue to offset the overall assessment amount. The effect of the reduction of \$221,000 in Income on the Total Assessment amount was an increase amount equal to \$1.89 per acre-foot.

Comparing the current Proposed Assessment as of May 10, 2012 of \$51.03 to the Actual Assessment paid last year of \$49.14, a variance of \$1.89 or 3.8% is shown. Please note that the \$1.89 variance between Assessment calculations is exactly equal to the amount of the lost additional Income of \$221,000. ( $\$221,000 \div 117,125.000 \text{ acre-feet} = \$1.89 \text{ acre-feet}$ ).

| Assessment Amounts                        | G&A Expenses   | OBMP & Implementation Projects | Total Assessment |
|---|----------------|--------------------------------|------------------|
| Proposed Assessment as of May 10, 2012    | \$8.83         | \$42.20                        | \$51.03          |
| Actual Assessment FY2011-2012             | \$8.60         | \$40.54                        | \$49.14          |
| Proposed Assessment vs. Actual Assessment | \$0.23<br>2.7% | \$1.66<br>4.1%                 | \$1.89<br>3.8%   |

The Proposed FY 2012/2013 Budget also reflects the approved changes in the Operating Reserve percentages. In last year's FY 2011/2012 budget, a 30% Operating Reserve was calculated for the Administration expenses and, a 30% Operating Reserve was calculated for the OBMP/Project expenses. Last year's Total Operating Reserve calculated to an amount of \$1,904,166. For FY 2012/2013, the Operating Reserve percentages were reduced from 30% for Administration expenses down to 10%, and the OBMP/Project expense percentages were reduced from 30% down to 15%. For FY 2012/2013, the Total Operating Reserve calculated to an amount of \$871,425, an overall reduction from year to year of \$1,032,741 or 54.2%. Depending upon decisions made between now and the assessment process in November 2012, this amount of \$1,032,741 could be refunded to the parties as part of the assessment invoice along with any other additional excess cash reserves.

| Operating Reserves: | <u>FY12/13</u>   | <u>FY 11/12</u>    |
|---------------------|------------------|--------------------|
| Administration:     | 10%              | 30%                |
| OBMP/Projects:      | 15%              | 30%                |
| Administration:     | \$107,894        | \$ 302,880         |
| OBMP/Projects:      | <u>\$763,531</u> | <u>\$1,601,286</u> |
| Total Reserves:     | <u>\$871,425</u> | <u>\$1,904,166</u> |

Wildermuth Environmental, Inc. provided a budget comparison worksheet along with a detailed narrative report that described each category within their budget. This information was distributed to the attendees of the Workshop on April 26, 2012 and is also attached (See Attachment A) as part of this budget report.

Brownstein Hyatt Farber Schreck provided a budget comparison worksheet along with a detailed narrative report that described each category within their budget. This information was distributed to the attendees of the Workshop on April 26, 2012 and is also attached (See Attachment B) as part of this budget report.

After some brief discussions and comments from participants at the Budget Workshop, it was the consensus of the participants in attendance that the Proposed Budget dated April 26, 2012 with Total Expenses of \$6,670,201 and an estimated Assessment amount of \$51.03 was consistent with the previous year's budget and assessment and would be acceptable if brought forward to the Pools for consideration and approval in May, 2012.

For the Administrative expenses:

- Overall, the Administrative expense section of the budget totaling \$1,078,942 is 12.7% or \$157,659 below the previous year's "Amended" budget of \$1,236,601.
- The draft budget includes 9.5 FTE approved staff positions, no change from the prior year.
- The budget includes a temporary employee for one-half year to continue work of the scanning project. This employee will be from a temporary employment agency and is not an employee of Watermaster. This amount is the same as the previous year's budget.
- The budget does not include a CPI/COLA salary adjustment for Watermaster staff.
- No changes in employee's fringe benefits (medical, dental or vision coverage).
- The Brownstein Hyatt Farber Schreck (BHFS) legal expenses within the Administrative section were budgeted at \$377,005.
- Overall reductions in the majority of expense categories within the Administrative section.

For OBMP General costs:

- Overall, the OBMP expense section of the budget totaling \$1,219,186 is 4.7% or \$60,310 below the previous year's "Amended" budget of \$1,279,496.
- Meetings with staff, Wildermuth and legal were held to determine a realistic estimate of working hours, project costs, and if any costs might be reduced or work delayed until next fiscal year.

- The total Wildermuth/Engineering budget for FY 2012/2013 is \$444,369 which is a reduction of \$133,945 or 23.2% from the previous year's "Amended" budget of \$578,314. Note that this amount is only for the OBMP section and not the entire Wildermuth budget. Wildermuth provided a breakdown of costs by the categories of "Required by the Judgment" which totaled \$362,403 and "Discretionary" which totaled \$81,966. The total amount of \$444,369 is included within the FY 2012/2013 budget.
- The Watermaster Groundwater Model/Safe Yield Update project was budgeted at \$99,828, a reduction from the year of \$254,182.
- The "State of the Basin" data analysis and preparation of exhibits and reports is budgeted for \$109,524. This budget item was not budgeted for in last year's budget.
- Watermaster's budget for the Brownstein Hyatt Farber Schreck legal expenses within the OBMP section was \$302,950. Several new budget line items were created to capture the anticipated new legal costs.

OBMP Implementation Project costs:

- Overall, the OBMP Implementation Project expense section of the budget totaling \$4,372,073 is 5.0% or \$228,597 below the previous year's "Amended" budget of \$4,600,670.
- The total Wildermuth budget for FY 2012/2013 is \$1,537,991 which is a reduction of \$525,343 or 25.5% from the previous year's "Amended" budget of \$2,063,334. Note that this amount is only for the OBMP Implementation Project section and not the entire Wildermuth budget. Wildermuth provided a breakdown of costs by the categories of "Required by the Judgment" which totaled \$1,423,486 and "Discretionary" which totaled \$114,505. The total amount of \$1,537,991 is included within the FY 2012/2013 budget.
- Reductions in most of OBMP Implementation Project expenses compared to the FY 2011/2012 Amended Budget.
- The budget provides \$40,000 for increased efforts in replacement of in-line meters, calibration and maintenance.
- Includes cost of \$90,000 for use of the TerraSAR-X satellite for the west side of the basin since the EnviSat satellite is no longer functioning. The additional incremental cost between the TerraSAR-X satellite and the EnviSat satellite is \$13,000.
- Includes reduction of \$216,000 in monitoring costs for the Hydraulic Control Monitoring Program and includes the additional costs of \$200,000 for the Prado Basin Habitat within the Hydraulic Control Monitoring Program.
- The direct costs from IEUA for the Recharge Basin O&M are provided at \$833,953.
- Provides a budgeted amount of \$300,000 for the Recharge Proof of Concept.
- The projected Recharge Improvement Debt Payment due to IEUA in the amount of \$501,055 is budgeted, with no adjustment(s) for previous year's credits.

In summary, the FY 2012/2013 Budget, as proposed, anticipates a decrease in total budgeted costs of \$446,566 or 6.3% below the previous year's "Amended" budget. The final assessments will be refined when the assessment package is prepared this fall. The latest indications and estimates show the Total Assessable Production should be at levels higher than the 2010-2011 actual production.

**Actions:**

May 10, 2012 Appropriative Pool – Approved unanimously

May 10, 2012 Non-Agricultural Pool – Approved unanimously and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they determine to be appropriate

May 10, 2012 Agricultural Pool – Approved unanimously

May 17, 2012 Advisory Committee – Approved unanimously

May 24, 2012 Watermaster Board –

Attachment A:

Table 2: Engineering Budget for Watermaster FY 2012/13:  
Comparison with "Amended" FY 2011/12

| Description  |                    |                    |                  | FY12/13            | FY11/12            | Net Change         |
|--|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|
|  | Project            | Required           | Discretionary    | Budget             | Budget             |                    |
| <b>6900 Optimum Basin Mgmt Program</b>                               |                    |                    |                  | <b>\$444,369</b>   | <b>\$578,314</b>   | <b>(\$133,945)</b> |
| 6906 OBMP Engineering  |                    |                    |                  |                    |                    |                    |
| Attend Watermaster Meetings  | \$69,509           | \$34,755           | \$34,754         |                    | \$70,389           | (\$880)            |
| Material Physical Injury Requests, Others                            | \$23,632           | \$23,632           |                  |                    | \$0                | \$23,632           |
| Eval. Transfers/Assess. Supplemental Water Recharge                  | \$0                |                    |                  |                    | \$8,000            | (\$8,000)          |
| Misc. Data and CEO Requests  | \$94,424           | \$47,212           | \$47,212         |                    | \$78,755           | \$15,669           |
| Water Rights Compliance Monitoring                                   | \$24,064           | \$24,064           |                  |                    | \$32,760           | (\$8,696)          |
| Project Management   | \$23,388           | \$23,388           |                  |                    | \$34,400           | (\$11,012)         |
| Watermaster Model Update and Required Demonstrations                 | \$99,828           | \$99,828           |                  |                    | \$354,010          | (\$254,182)        |
| SOB Exhibits   | \$109,524          | \$109,524          |                  |                    | \$0                | \$109,524          |
| <b>7100 Program Element 1: Comprehensive Monitoring Program</b>      |                    |                    |                  | <b>\$1,268,285</b> | <b>\$1,798,318</b> | <b>(\$530,033)</b> |
| 7103 Groundwater Quality Monitoring Program                          | \$105,624          | \$105,624          |                  |                    | \$123,353          | (\$17,729)         |
| 7104 Groundwater Level Monitoring Program                            | \$216,321          | \$216,321          |                  |                    | \$196,443          | \$19,878           |
| 7107 Ground Level Monitoring Program                                 | \$521,121          | \$478,900          | \$42,221         |                    | \$1,052,021        | (\$530,900)        |
| 7108 Hydraulic Control Monitoring Program                            | \$403,679          | \$403,679          |                  |                    | \$419,805          | (\$16,126)         |
| 7109 Recharge and Well Monitoring Program                            | \$21,540           | \$21,540           |                  |                    | \$6,696            | \$14,844           |
| <b>7200 Program Element 2: Comprehensive Recharge Program</b>        |                    |                    |                  | <b>\$100,016</b>   | <b>\$132,810</b>   | <b>(\$32,794)</b>  |
| 7202.2 GRCC Meetings   | \$0                |                    |                  |                    | \$10,320           | (\$10,320)         |
| 7202.3 Implementation  | \$100,016          | \$100,016          |                  |                    | \$122,490          | (\$22,474)         |
| <b>7300 Program Elements 3 &amp; 5: Water Supply Plan - Desalter</b> |                    |                    |                  | <b>\$30,344</b>    | <b>\$36,221</b>    | <b>(\$5,877)</b>   |
| 7303 Engineering Services  | \$30,344           | \$30,344           |                  |                    | \$36,221           | (\$5,877)          |
| <b>7400 Program Element 4: Mgmt Zone Strategies</b>                  |                    |                    |                  | <b>\$67,062</b>    | <b>\$60,123</b>    | <b>\$6,939</b>     |
| 7402 Engineering Services  | \$67,062           | \$67,062           |                  |                    | \$60,123           | \$6,939            |
| <b>7500 Program Elements 6 &amp; 7: Coop Efforts/Salt Mgmt</b>       |                    |                    |                  | <b>\$60,956</b>    | <b>\$35,862</b>    | <b>\$25,094</b>    |
| 7502 Engineering Services  | \$60,956           |                    | \$60,956         |                    | \$35,862           | \$25,094           |
| <b>7600 Program Elements 8 &amp; 9: Storage Mgmt/Conj Use</b>        |                    |                    |                  | <b>\$11,328</b>    | <b>\$0</b>         | <b>\$11,328</b>    |
| 7602 Engineering Services  | \$11,328           |                    | \$11,328         |                    | \$0                | \$11,328           |
| <b>Totals</b>  | <b>\$1,982,360</b> | <b>\$1,785,889</b> | <b>\$196,471</b> | <b>\$1,982,360</b> | <b>\$2,641,648</b> | <b>(\$659,288)</b> |

## Engineering Budget Summary

### 6906 – OBMP General Engineering: Attend Watermaster Meetings

|                       | Required        | Discretionary   | Total           |
|-----------------------|-----------------|-----------------|-----------------|
| Consultant            | \$32,868        | 32,868          | \$65,736        |
| ODCs                  | \$1,887         | \$1,886         | \$3,773         |
| Outside Professionals |                 |                 |                 |
| <b>Total</b>          | <b>\$34,755</b> | <b>\$34,754</b> | <b>\$69,509</b> |

### Rationale

Watermaster CEO and/or the Watermaster Board may direct the consultant to prepare for and attend the following meetings.

- Watermaster Advisory Committee and Board meetings.
- Agricultural Pool meeting.
- Appropriative and Overlying Non-Agricultural Pools meeting.
- Other general meetings as requested by Watermaster's CEO or Board.

For each of the meetings, the Consultant will prepare engineering updates with supporting maps, charts, tables, handouts, and PowerPoint presentations, as appropriate.

### Scope of Work

See rationale.

### Deliverables

Consultant will deliver to Watermaster on the meeting date, the following:

- Attendance at the meetings.
- Maps, charts, tables, handouts, and PowerPoint presentations prepared by the consultant.



**6906 – OBMP General Engineering:**

**Material Physical Injury Requests, Others**

|                       | <b>Required</b> | <b>Discretionary</b> | <b>Total</b>    |
|-----------------------|-----------------|----------------------|-----------------|
| Consultant            | \$23,632        | \$                   | \$23,632        |
| ODCs                  |                 |                      |                 |
| Outside Professionals |                 |                      |                 |
| <b>Total</b>          | <b>\$23,632</b> | <b>\$</b>            | <b>\$23,632</b> |

**Rationale**

Prepare a material physical injury analysis as appropriate for each transfer application, storage application, recharge application or as otherwise directed by Watermaster and pursuant to the Peace Agreement and the Rules and Regulations.

**Scope of Work**

This task is to provide outside engineering services to assist Watermaster staff in the evaluation of transfer, storage and recharge applications. Occasionally Watermaster staff requires outside engineering services in the evaluation of these transfers. There are no specific issues that were identified in the development of the fiscal year 2012/13 budget.

**Deliverables**

The deliverables for this work will be defined by the specific Watermaster staff request.



Engineering Budget Summary – Fiscal Year 2012/13

**6906 - OBMP General Engineering:**

**Miscellaneous CEO and Data Requests**

|                       | Required        | Discretionary   | Total           |
|-----------------------|-----------------|-----------------|-----------------|
| Consultant            | \$46,712        | \$46,712        | \$93,424        |
| ODCs                  | \$500           | \$500           | \$1,000         |
| Outside Professionals |                 |                 |                 |
| <b>Total</b>          | <b>\$47,212</b> | <b>\$47,212</b> | <b>\$94,424</b> |

**Rationale**

Watermaster CEO and/or Watermaster staff may direct the consultant to respond to perform specific technical analyses that were not anticipated in the budget or to respond to data requests from Watermaster parties and non-Watermaster entities.

**Scope of Work**

Consultant shall perform the following tasks:

- Ad hoc analyses requested by the Watermaster CEO.
- Fulfill requests from the Watermaster CEO, including the preparation of PowerPoint presentations, maps, charts, technical reports. Work with Watermaster staff on the preparation of the Annual Report.
- Fulfill requests for hydrologic data, model files, PowerPoint presentations, maps, charts, technical reports, etc. requested by Watermaster parties or non-Watermaster entities only if approved by Watermaster CEO and/or staff.

**Deliverables**

Consultant shall deliver to Watermaster the data-request deliverables and other PowerPoint presentations, maps, charts, and technical reports, as requested.



Engineering Budget Summary – Fiscal Year 2012/13

**6906 – OBMP General Engineering:**

**Water Rights Compliance Monitoring**

|                       | Required        | Discretionary | Total           |
|-----------------------|-----------------|---------------|-----------------|
| Consultant            | \$24,064        |               | \$24,064        |
| ODCs                  |                 |               |                 |
| Outside Professionals |                 |               |                 |
| <b>Total</b>          | <b>\$24,064</b> |               | <b>\$24,064</b> |

**Rationale**

This work is required in Watermaster's permit issued by the State Water Resources Control Board.

**Scope of Work**

This task includes engineering services to prepare a specialized hydrologic assessment of the relative impacts of the diversions of storm water to recharge by Watermaster pursuant to the Watermaster's permit issued by the State Water Resources Control Board. Specifically the work involves estimating the discharge to the Santa Ana River from its tributaries that flow across the Chino Basin and where storm water is diverted for recharge. The discharge from these tributaries to the Santa Ana River is estimated with and without the Watermaster diversions to recharge, and the relative changes in discharge are computed. This work is not discretionary.

**Deliverables**

Consultant shall deliver to Watermaster the following:

- A report summarizing the difference in discharges in tributaries to the Santa Ana River with and without Watermaster diversions for recharge, which Watermaster reviews and forwards to the State Water Resources Control Board.



Engineering Budget Summary – Fiscal Year 2012/13

**6906 – OBMP General Engineering:**

**Project Management**

|                       | Required        | Discretionary | Total           |
|-----------------------|-----------------|---------------|-----------------|
| Consultant            | \$23,388        |               | \$23,388        |
| ODCs                  |                 |               |                 |
| Outside Professionals |                 |               |                 |
| <b>Total</b>          | <b>\$23,388</b> |               | <b>\$23,388</b> |

**Rationale**

This task is for routine project management and preparation of quarterly estimated-cost-at-completion reports.

**Scope of Work**

The consultant shall perform routine project management services including:

- Update the Integrated Schedule Budget Management (ISBM) system.
- Analyze staffing requirements and made assignments for various tasks.
- Review the schedules of deliverables.
- Prepare the Estimated Cost at Completion (ECAC) estimates.

**Deliverables**

Consultant will deliver to Watermaster the following:

- Summary of costs to date, ECAC, and estimates of progress on a task-by-task basis.



**6906.1 – OBMP General Engineering:**

**Watermaster Model Update and Required Demonstrations**

|                       | Required        | Discretionary | Total           |
|-----------------------|-----------------|---------------|-----------------|
| Consultant            | \$98,528        |               | \$98,528        |
| ODCs                  | \$1,300         |               | \$1,300         |
| Outside Professionals | \$              |               | \$              |
| <b>Total</b>          | <b>\$99,828</b> |               | <b>\$99,828</b> |

**Rationale**

There are two significant technical efforts that are required to meet several objectives of the Judgment, the Peace Agreements, Watermaster Rules and Regulations, and the September 2010 court order regarding implementation of the 2010 Recharge Master Plan Update.

**Scope of Work**

The work being completed in fiscal 2011/12 will produce an updated and significantly improved groundwater model, the development of new planning estimates of groundwater production and an estimate of the yield developed from the Basin since the Judgment was entered in 1978. The developed yield of the 2000 through 2010 period will be estimated and compared to the developed yield estimated by the Carroll method from pumping and artificial recharge data, and change-in-storage estimates developed from groundwater elevation data. (This work is required by: PA, 7.1; R&R 6.5, 7.1 and 9.3a; Court Order directing implementation of the 2010 RMPU and other Watermaster demonstrations as cited below). In fiscal 2012/13 the new 2012 Groundwater Model will be used to complete the following required assessments:

- Completion of the Safe Yield Estimate,
- Evaluation New Yield Created by the Desalters and Reoperation
- Evaluation of the State of Hydraulic Control,
- Evaluation of the Balance of Recharge and Discharge,
- Evaluation Storage Losses, and
- Evaluation of the Cumulative Effects of Transfers.

The technical activities and their nexus to their requirements are described below.

**Safe Yield and the Balance of Recharge and Discharge.** The 2012 model will be used to estimate the expected safe yield for the baseline planning scenario (Scenario 2) for the period 2011 through 2030. (R&R, 6.5; September 2010 Court Order) The model will be used to fine tune supplemental water recharge (done for replenishment and other purposes) to revise the balance of recharge and discharge as required by the Peace Agreement and the Watermaster R&R. (R&R, 7.1b (iii, iv))

**New Yield from Desalters and Reoperation.** The 2012 Watermaster Model will be used to estimate new yield from the desalters and reoperation by simulating the calibration and baseline scenarios and assuming the desalters were never built and that an alternative water supply was used, and comparing the change in Santa Ana River discharge and estimated safe yield estimates with the safe yield from the actual calibration and baseline scenarios (Scenario 3). This will result in an earlier arrival of calculable new yield than was estimated for the Peace II assessment in 2007. The implications of this work will be a reduced rate in the use



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of re-operation water and an estimate of new yield caused by the desalters, by reoperation, and by the desalters and reoperation combined. (PA, 7.5; P2A, 7.1)

**Storage Loss Rate.** The estimated storage loss rate is dependent on the location and magnitude of groundwater production and artificial recharge. The updated Watermaster model will be used to estimate the expected storage losses in the period 2011 through 2030 by simulating the baseline scenario with a new cycle of the dry-year yield (DYY) program, comparing the change in safe yield and Santa Ana River discharge among the baseline and the DYY variant of the baseline scenario (Scenario 4). This will either confirm the existing estimate of two percent or suggest a new storage loss rate. Watermaster will be able to use the storage loss for future accounting purposes and the parties can use the storage loss estimate for their water supply planning purposes. (PA, 5.2(b)(iii); R&R 8.2j) To be clear, Watermaster is not required to periodically review and adjust the storage loss rate. The language in the Rules and Regulations reads: "There after the rate of loss from Local Storage for parties to the Judgment will be 2% until recalculated based upon the best available scientifically available information." It seems prudent, given the revised projected pumping and recharge will be significantly different than the past planning projections, to use the model to re-estimate the storage loss rate.

**Cumulative Effect of Transfers.** Watermaster is required to evaluate the cumulative effect of transfers pursuant to the Peace Agreement and its rules and regulations every two years. This has not been done since 2005. The updated Watermaster model would be used to estimate the cumulative effect of transfers since 2000 by rerunning the calibration assuming that the transfers (from 2000 on) did not occur and comparing results of the two simulations to determine the change during the 2000 to 2011 period in groundwater levels, safe yield, storage losses and new yield (Scenario 1a). (PA, 5.3; R&R 9.3a)

### **Deliverables**

The deliverables of this work will be two workshops one in July 2012 to present the 2012 model calibration and one in October or November at the conclusion of the planning projections); and a technical report which will be posted on the Watermaster website.



Engineering Budget Summary – Fiscal Year 2012/13

**6906 – OBMP General Engineering:**

**State of the Basin**

|                       | <b>Required</b>  | <b>Discretionary</b> | <b>Total</b>     |
|-----------------------|------------------|----------------------|------------------|
| Consultant            | 107,524          |                      | \$107,524        |
| ODCs                  | \$2,000          |                      | \$2,000          |
| Outside Professionals |                  |                      |                  |
| <b>Total</b>          | <b>\$109,524</b> |                      | <b>\$109,524</b> |



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## Rationale

Pursuant to the November 15, 2001 Court Order, Watermaster prepares a State of the Basin report every two years. The State of the Basin reports are used to document how the state of the basin has changed since the implementation of the Peace Agreement in September 2000. The scope of the report includes a characterization of the time histories of: groundwater levels and quality, storage, production, recharge (replenishment and other recharge), ground level, state of hydraulic control, desalter planning and engineering, and production meter installation.

## Scope of Work

The consultant shall perform the following tasks:

- Compile and analyze production data for FY 2010/2011 and 2011/2012, and prepare exhibits showing production activities by pool, and historical trends in production.
- Compile and analyze recharge data for FY 2010/2011 and 2011/2012, and prepare exhibits showing groundwater recharge trends
- Compile and analyze surface water and precipitation data, and prepare exhibits that show general hydraulic conditions in the Basin
- Analyze basin-wide water quality and prepare maps that show five-year maximum concentrations for constituents of concern in the Basin, and historical trends in TDS and nitrate by management zone.
- Prepare rasters depicting the current extent of the VOC plumes, and prepare a series of associated maps.
- Analyze basin-wide water level data and create groundwater elevation contours for spring 2012 for the HCMP area, and basin-wide, and prepare associated maps.
- Perform raster geometry calculations and comparisons between spring 2000 and spring 2012 groundwater elevation data to create a basin-wide change grid for 2000 to 2012 for Layer 1 of the aquifer system, and prepare a map.
- Compile and analyze ground-level monitoring data for 2010 through 2012 and prepare exhibits showing trends in vertical ground motion data for the monitoring done in MZ1 and MZ2 , and time histories of groundwater pumping, aquifer recharge, groundwater levels, and ground motion in these areas.

## Deliverables

The consultant will deliver five printed draft and final copies of the State of the Basin Report, and a digital copy for Watermaster general use and for posting on the Watermaster's web site for general distribution.



**7103.3 – Groundwater Quality Monitoring Program:**

**Engineering Services**

|                       | Required         | Discretionary | Total                 |
|-----------------------|------------------|---------------|-----------------------|
| Consultant            | \$66,456         |               | \$66,456              |
| ODCs                  | \$600            |               | \$600                 |
| Outside Professionals | \$38,568         |               | \$38,568 <sup>1</sup> |
| <b>Total</b>          | <b>\$105,624</b> |               | <b>\$105,624</b>      |

**Rationale**

The OBMP, the Peace Agreements, and the Implementation Plan all call for key well monitoring program for groundwater quality as part of Program Element 1<sup>2</sup>. The data generated in Program Element 1 are used for the Biennial State of the Basin Report, the Hydraulic Control Monitoring Program Report, the Chino Basin Model, and the Triennial Ambient Water Quality Recomputation. The latter program provides water quality data to the Basin Monitoring Task Force, administered by the Santa Ana Watershed Project Authority (SAWPA) and is required by the Basin Plan<sup>3</sup>.

**Scope of Work**

Consultant shall perform the following tasks:

- Assist Watermaster staff in conducting annual sampling at approximately 50 private wells between July and October 2012. Sub-tasks include:
  - Assist Watermaster staff, on an as-needed basis.
  - Process, QA/QC, and upload all field and laboratory data to Watermaster's database.
  - Annual re-evaluation of the key well program.

<sup>1</sup> MWH Laboratories costs are presented herein – invoices are paid directly by Watermaster.

<sup>2</sup> Develop and Implement Comprehensive Monitoring Program

<sup>3</sup> Basin Plan Amendment: "No later than June 23, 2005, Orange County Water District, Irvine Ranch Water District, Inland Empire Utilities Agency, Chino Basin Watermaster, City of Riverside, City of Corona, Elsinore Valley Municipal Water District, Eastern Municipal Water District, City of Colton, City of San Bernardino Municipal Water Department, City of Redlands, Jurupa Community Services District, Western Riverside County Regional Wastewater Authority, Lee Lake Water District, Yucaipa Valley Water District, City of Beaumont, the San Timoteo Watershed Management Authority and the City of Rialto shall submit to the Regional Board for approval, a proposed watershed-wide TDS and nitrogen monitoring program that will provide data necessary to review and update the TDS/nitrogen management plan. Data to be collected and analyzed shall address, at a minimum: (1) determination of current ambient quality in groundwater management zones; (2) determination of compliance with TDS and nitrate-nitrogen objectives for the management zones; (3) evaluation of assimilative capacity findings for groundwater management zones; and (4) assessment of the effects of recharge of surface water POTW discharges on the quality of affected groundwater management zones. The determination of current ambient quality shall be accomplished using methodology consistent with that employed by the Nitrogen/TDS Task Force (20-year running averages) to develop the TDS and nitrogen water quality objectives included in this Basin Plan. [Ref. 1] The determination of current ambient groundwater quality throughout the watershed must be reported by July 1, 2005, and, at a minimum, every three years thereafter."



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- Obtain Groundwater Quality Data Routinely from about 900 wells from All Appropriators and Cooperators in and Adjacent to Chino Basin. Subtasks include:
    - Place phone calls and attend meetings with water quality staff at appropriators and other cooperators.
    - Process, QA/QC, and upload hardcopy, spreadsheet and laboratory electronic data deliverables to Watermaster's database.

### **Deliverables**

Consultant shall deliver to Watermaster no later than the date or dates indicated, the following:

- All available groundwater quality data as of March 31, 2013 from the key well sampling program and collected from Chino Basin appropriators and cooperators, will be uploaded into HydroDaVE by June 30, 2013.



**7104.3 – Groundwater Level Monitoring Program:**

**Engineering Services**

|                       | Required         | Discretionary | Total            |
|-----------------------|------------------|---------------|------------------|
| Consultant            | \$181,652        |               | \$181,652        |
| ODCs                  | \$24,669         |               | \$24,669         |
| Outside Professionals | \$10,000         |               | \$10,000         |
| <b>Total</b>          | <b>\$216,321</b> |               | <b>\$216,321</b> |

**Rationale**

The OBMP, the Peace Agreements, and the Implementation Plan all call for key well monitoring program for groundwater levels as part of Program Element 1<sup>3</sup>. The data generated in Program Element 1 are used for the Biennial State of the Basin Report, the Hydraulic Control Monitoring Program Report, the Chino Basin Model, subsidence monitoring, safe yield analyses, evaluating impacts of the desalter pumping on nearby private wells, and the Triennial Ambient Water Quality Recomputation. The latter program is for the Basin Monitoring Task Force, administered by the Santa Ana Watershed Project Authority (SAWPA) and as required by Watermaster's and IEUA's maximum benefit commitment in the Basin Plan<sup>4</sup>.

**Scope of Work**

Consultant shall perform the following tasks:

- Collect and Compile Groundwater Level Measurements from about 900 Wells<sup>4</sup>. Of the 900 wells, about 75 wells are measured monthly by consultant field staff, about 125 wells are equipped with transducers that are visited and downloaded quarterly by consultant and Watermaster field staff. About 450 wells are measured by cooperators, which are collected by consultant staff; and about 250 wells are measured by municipal well owners, which are collected by Watermaster staff and submitted to consultant. All data are checked for reasonableness with regard to historical data at the well, converted from depth-to-water to groundwater-level elevation, and compiled into a centralized database. Sub-tasks include:
  - Schedule the field work for consultant field staff.
  - Perform the field work. The field work follows the SOPs and the QAPP defined in the 2004 HCMP Work Plan.
  - Check and upload manual and cooperator water-level measurements to database.
  - Check and upload transducer data downloaded quarterly by consultant staff into HydroDaVE.
  - Check and upload transducer data downloaded quarterly by Watermaster staff, and municipal water-level measurements collected by Watermaster staff into HydroDaVE.
  - Annual re-evaluation of the key well program due to abandoned and destroyed wells.

**Deliverables**

Consultant shall deliver to Watermaster no later than the date or dates indicated, the following:

<sup>4</sup> Currently, consultant downloads transducer data from wells associated with the Recycled Water Groundwater Recharge Program. This work should be done by IEUA staff under the "Bright Line Agreement."



Engineering Budget Summary – Fiscal Year 2012/13

- All available groundwater-level data as of March 31, 2013 collected manually in the field, downloaded from transducers, and collected from appropriators in the Chino Basin, is uploaded into Watermaster’s database by June 30, 2013.

**7107 – Ground Level Monitoring Program:**

**Engineering Services**

|                       | Required         | Discretionary   | Total            |
|-----------------------|------------------|-----------------|------------------|
| Consultant            | \$138,665        | \$2,421         | \$141,086        |
| ODCs                  | \$17,999         | \$              | \$17,999         |
| Outside Professionals | \$322,236        | \$39,800        | \$362,036        |
| <b>Total</b>          | <b>\$478,900</b> | <b>\$42,221</b> | <b>\$521,121</b> |

**Rationale**

Program Element 4 of the OBMP states that land subsidence and ground fissuring in MZ1 are not acceptable and, to the extent that the cause is pumping in MZ1, should be managed to tolerable levels. Watermaster conducts a ground-level monitoring program to support this objective per the requirements of the Peace Agreement, the subsequently developed Court-approved MZ1 Subsidence Management Plan (MZ1 Plan), and the monitoring and mitigation requirements of the Peace II CEQA SEIR.

**Scope of Work**

Consultant shall perform the following tasks:

- Maintain and replace (if necessary) the existing monitoring equipment at extensometers and wells in MZ1 – *Required by MZ1 Plan*
- Download, check, and store monitoring data from extensometers, wells, and recharge activities in MZ1 – *Required by MZ1 Plan*
- Conduct pumping test in MZ1 Managed Area – *Required by MZ1 Plan*
- Conduct injection test in MZ1 Managed Area – *Required by MZ1 Plan*
- Conduct ground-level surveys:
  - MZ1 Managed Area – *Required by MZ1 Plan*
  - CCWF Area – *Recommended by the Land Subsidence Committee as a means to comply with Watermaster’s obligations contained in the monitoring and mitigation requirements in the Final Peace II SEIR. Discretionary as to approach. Discretionary for this fiscal year.<sup>5</sup>*
  - CCWF Extensometer site – *Discretionary for this fiscal year.*
- Conduct InSAR monitoring across Chino Basin – *Required by MZ1 Plan*

**Deliverables**

Consultant shall deliver to Watermaster no later than the date or dates indicated, the following:

- All ground-level monitoring data, available as of January 1, 2013, uploaded into Watermaster’s MZ1 database by June 30, 2013.

<sup>5</sup> The leveling surveys are required to monitor for regional land subsidence due to the operation of the CCWF.



Engineering Budget Summary – Fiscal Year 2012/13

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- Charts and maps of ground-level monitoring data by June 30, 2013. These charts and maps will be included in the MZ1 Annual Report.



**7108 – Hydraulic Control Monitoring Program:**

**Engineering Services**

|                       | Required         | Discretionary | Total                 |
|-----------------------|------------------|---------------|-----------------------|
| Consultant            | \$126,819        |               | \$126,819             |
| ODCs                  | \$4,699          |               | \$4,699               |
| Outside Professionals | \$72,161         |               | \$72,161 <sup>6</sup> |
| <b>Total</b>          | <b>\$203,679</b> |               | <b>\$203,679</b>      |

**Rationale**

The data generated in this task are required by the Basin Plan (the surface water stations and frequencies are specified in Table 5-8a, so there is no discretion as to the number and frequency of samples). The Hydraulic Control Monitoring Program (HCMP) is a maximum benefit requirement in the Basin Plan and more specifically described in Regional Board Order No, R8-2005-0064. The Basin Plan states: "If the Regional Board determines that the maximum benefit program is not being implemented effectively in accordance with the schedule shown in Table 5-8a, then maximum benefit is not demonstrated, and the 'antidegradation' TDS and nitrate-nitrogen objectives for the Chino 1, 2, and 3 and Cucamonga Management Zones apply. In this situation, the Regional Board will require mitigation for TDS and nitrate-nitrogen discharges to these management zones that took place in excess of limits based on the 'antidegradation' objectives" and applied retroactively to January 2004.

The data are also used for the Biennial State of the Basin report and for the Chino Basin Groundwater Model.

Watermaster is working with the Regional Board on a Basin Plan Amendment that would reduce or eliminate the surface water monitoring portion of the HCMP.

**Scope of Work**

The purpose of this task is to obtain surface water discharge and water quality data from the Santa Ana River and its tributaries and groundwater quality and level information in and adjacent to Chino Basin. Consultant shall perform the following tasks:

- **Measure Discharge at Specified Surface Water Stations in the Santa Ana River and Tributaries<sup>7</sup>**  
Consultant will make direct discharge measurements at 6 surface water stations every other week. Discharge data from the remaining 11 stations is collected from cooperating agencies, including the USGS, IEUA, City of Riverside, City of Corona, and the Western Riverside County Regional Wastewater Authority. Subtasks include:
  - Schedule the field work.
  - Perform the field work. The field work follows the SOPs and the QAPP defined in the 2004 HCMP Work Plan.
  - Place phone calls and emails to cooperating agencies to collect discharge data.
  - Process, QA/QC, and upload the discharge data to Watermaster's database.

<sup>6</sup> MWH Laboratories costs are presented herein – invoices are paid directly by Watermaster.

<sup>7</sup> Surface water sampling will likely occur for the period of July through October and be discontinued thereafter due to a Basin Plan amendment that was approved in February 2012. Final termination of the surface water monitoring component of the HCMP will occur once the February 2012 Basin Plan amendment is approved by the SWRCB and OAL.



- **Collect Grab Surface Water Quality Samples at Specified Surface Water Stations in the Santa Ana River and Tributaries<sup>8</sup>.** Consultant shall collect samples at 14 stations every other week. Samples shall also be collected from 3 POTWs. Data from IEUA's POTW discharges are obtained from IEUA. Subtasks include:
  - Schedule the field work and coordinate with the analytical laboratory.
  - Perform the field work. The field work follows the SOPs and the QAPP defined in the 2004 HCMP Work Plan.
  - Coordinate with IEUA staff to collect discharge water quality data.
  - Process, QA/QC, and upload field, laboratory and cooperator data to HydroDaVE.
- **Collect Grab Surface Water Quality Samples at Two Specified Surface Water Stations in the Santa Ana River<sup>9</sup>.** Consultant shall collect samples at two surface water stations quarterly:
  - Schedule the field work and coordinate with the analytical laboratory.
  - Perform the field work. The field work follows the SOPs and the QAPP defined in the 2004 HCMP Work Plan.
  - Process, QA/QC, and upload field and laboratory data to HydroDaVE.
- **Monitor HCMP, NAWQA, and SARWC Wells.** The consultant shall sample two NAWQA and two SARWC wells quarterly. The 21 HCMP wells shall be sampled annually. Subtasks include:
  - Schedule the field work and coordinating with the analytical laboratory.
  - Perform the field work. The field work follows the SOPs and the QAPP defined in the 2004 HCMP Work Plan.
  - Process, QA/QC, and upload field and laboratory data to Watermaster's database.
- **HCMP Well Siting and Grant Application.** The consultant will complete an HCMP well siting analysis based on the 2012 Groundwater Model results and the locations of existing wells that can be used to monitor groundwater levels and to evaluate the state of hydraulic control. The consultant will work with Watermaster and IEUA staff to identify grant programs and to assist them in the preparation of grant applications.
- **Interpretation of data and Data Analyses/Comparison with Metrics.** All data required for reporting in the 2012 Maximum Benefit Annual Report shall be analyzed by the consultant and used to support the demonstration of compliance with the Maximum Benefit Commitments contained in the Basin Plan..
- **Reports.** Consultant shall prepare two quarterly surface water monitoring program reports, a draft 2012 Maximum Benefit Annual Report. This report will be submitted to Watermaster and IEUA for review. Comments will be incorporated and the consultant shall prepare a final 2012 Maximum Benefit Annual Report for submittal to the Regional Water Quality Control Board. Consultant may respond to comments from the Regional Board, Orange County Water District and other stakeholders, as necessary
- **Meetings.** Consultant shall attend HCMP meetings with Watermaster staff and/or Regional Board staff as required. At least one meeting to present the Final 2012 Maximum Benefit Annual Report to the Regional Board Orange County Water District and will be scheduled.

### Deliverables

Consultant shall deliver to Watermaster no later than the date or dates indicated, the following:

<sup>8</sup> See footnote number 8

<sup>9</sup> See footnote number 8



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- **2<sup>nd</sup> Quarter 2012 Surface Water Monitoring Program Quarterly Report by July 15, 2012.**
  - **3<sup>rd</sup> Quarter 2012 Surface Water Monitoring Program Quarterly Report by October 15, 2012.**
  - **Draft Annual 2012 Maximum Benefit Annual Report by March 22, 2013.**
  - **Final Annual 2012 Maximum Benefit Annual Report by April 15, 2013.**



**7108.7 – Prado Basin Habitat Monitoring Well Siting, Design, Construction and Monitoring**

|   | Required         | Discretionary | Total            |
|---|------------------|---------------|------------------|
| Consultant ODCs Outside Professionals <sup>10</sup> | \$200,000        |               | \$200,000        |
| <b>Total</b>  | <b>\$200,000</b> |               | <b>\$200,000</b> |

**Rationale**

The monitoring and mitigation requirements of the Peace II CEQA SEIR (Biological Resources/Land Use & Planning—Section 4.4-3) call for IEUA, Watermaster and Orange County Water District to form the Prado Basin Habitat Sustainability Committee. The purpose of this committee is to ensure that the Peace II Agreement actions will not significantly adversely impact the Prado Basin riparian habitat. The responsibilities of this committee are to develop and implement a monitoring program and prepare annual reports that include recommendations for ongoing monitoring and any adaptive management actions required to mitigate any measured loss or prospective loss of riparian habitat that is attributable to the Peace II Agreement.

**Scope of Work**

IEUA, OCWD and Watermaster will retain a consultant to do the following: provide professional services to develop technical guidance on monitoring requirements to site and construct monitoring wells that can be used to determine if groundwater level changes caused by the implementation of Peace II will impact the critical habitat in the Prado Basin. The consultant will: prepare for and attend meetings with Watermaster, IEUA and OCWD; prepare location maps for habitat related monitoring wells; prepare well designs and technical specifications for monitoring wells; provide construction monitoring services; install measuring equipment; prepare documentation, and download data quarterly.

IEUA, OCWD and Watermaster will contract with a drilling firm to construct the habitat-related monitoring wells.

**Deliverables**

The consultant will provide the following: draft and final habitat-related monitoring well location maps; draft and final well design and technical specifications for monitoring wells; conduct site visit with prospective drilling contractors; assist IEUA and OCWD with site acquisition; provide well construction monitoring services during construction; provide and install groundwater-level and temperature monitoring equipment; provide well completion report documentation; and data acquisition and reporting.

The drilling contractor will provide completed monitoring wells pursuant to specifications.

<sup>10</sup> For this task, Outside Professional costs include the cost of well construction and monitoring equipment. IEUA, OCWD and Watermaster are proposing to contribute \$200,000 each for a total of \$600,000.



**7109.3 – Recharge and Well Monitoring Program – Engineering Services:**

**Recycled Water Groundwater Recharge Program – Review Reports**

|                       | Required        | Discretionary | Total           |
|-----------------------|-----------------|---------------|-----------------|
| Consultant            | \$21,540        |               | \$21,540        |
| ODCs                  |                 |               |                 |
| Outside Professionals |                 |               |                 |
| <b>Total</b>          | <b>\$21,540</b> |               | <b>\$21,540</b> |

**Rationale**

The Inland Empire Utilities Agency (IEUA) and Watermaster are required to submit certain reports as part of the Recycled Water Groundwater Recharge Program. The recycled water groundwater recharge program is being implemented by IEUA and Watermaster and its annual reporting is pursuant to requirements of the following orders:

- California Regional Water Quality Control Board, Santa Ana Region. Order No. R8-2007-0039. Water Recycling Requirements for Inland Empire Utilities Agency and Chino Basin Watermaster. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, June 29, 2007.
- California Regional Water Quality Control Board, Santa Ana Region. Monitoring and Reporting Program No. R8-2007-0039 for Inland Empire Utilities Agency and Chino Basin Watermaster. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, June 29, 2007.
- California Regional Water Quality Control Board, Santa Ana Region. Order No. R8-2009-0057 Amending Order No. R8-2007-0039 for Inland Empire Utilities Agency and Chino Basin Watermaster. Chino Basin Recycled Water Groundwater Recharge Program: Phase I and Phase II Projects, San Bernardino County, October 23, 2009.
- California Regional Water Quality Control Board, Santa Ana Region. Revised Monitoring and Reporting Program No. R8-2007-0039 for Inland Empire Utilities Agency and Chino Basin Watermaster. Chino Basin Recycled Water

Watermaster prepares reports pertaining to the Hydraulic Control Monitoring Program with IEUA review and IEUA prepares reports pertaining to the Recycled Water Groundwater Recharge Program with Watermaster review<sup>11</sup>.

**Scope of Work**

At the request of Watermaster staff, consultant reviews quarterly and annual reports for the Chino Basin Recycled Water Groundwater Recharge Program, as well as other reports (e.g., start-up protocol reports). These reports are prepared by the IEUA, who along with Watermaster is a co-permittee.

**Deliverables**

Consultant will provide comments on the aforementioned reports within seven days of receipt of the reports.

<sup>11</sup> This is a component of the "Bright-Line Agreement" between Watermaster and IEUA.



**7202.3 – PE2 – Comprehensive Recharge Program**

**Implementation**

|                       | Required         | Discretionary | Total            |
|-----------------------|------------------|---------------|------------------|
| Consultant            | \$98,816         |               | \$98,816         |
| ODCs                  | \$1,200          |               | \$1,200          |
| Outside Professionals |                  |               |                  |
| <b>Total</b>          | <b>\$100,016</b> |               | <b>\$100,016</b> |

**Rationale**

In its October 2010 Court order, the Court accepted the 2010 RMPU as satisfying Condition Subsequent Number 8 and ordered that certain recommendations of the 2010 RMPU be implemented. Specifically, the Court ordered:

“(3) Watermaster is hereby ordered to convene the committee described in item 3 of section 7.1 of the updated RMP to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield.

(4) Watermaster is hereby ordered to conduct further analyses as described in section 7.2 of the updated RMP of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan.”

Item 3 of Section 7.1 of the 2010 RMPU reads as follows:

“3. In implementing the above, Watermaster should form a committee—consisting of itself, the land use control entities, the County Flood Control Districts, the CBWCD, the IEUA, and others—to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield. This committee should be formed immediately, and the monitoring, reporting, and accounting practices should be developed as soon as possible.”

The operable section of Section 7.2 of the 2010 RMPU reads as follows:

“Watermaster should conduct further analyses of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan. This planning work should begin as soon as practical and could be accomplished within three years. The schedule to implement the Phase I through III projects would be developed during the proposed planning work, and the construction of these projects could be completed within five years of completing the proposed planning work.”

Interpreted literally, the Court currently expects that the Planning for the Phase I through III projects to be done by October 2013 and that construction be completed by October 2018. This does not mean that all the projects contained within the 2010 RMPU will be constructed by October 2018. Watermaster needs to determine which of the recharge projects identified in the 2010 RMPU, and perhaps other recharge projects, need to be implemented based on current projected needs and have the planning for these projects done at an appropriate level that they may be constructed by October 2018. In November 2011, Watermaster reported its progress pursuant to the October 2010 Court Order; after which, in 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.

And, on December 15, 2011, the Watermaster Board:

“Moved to approve that within the next year there will be the completion of 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.”



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**Scope of Work**

Provide as-requested technical services in furtherance of the Court's order and direction by the Watermaster Board.

**Deliverables**

The deliverables for this work will be defined by the specific Watermaster staff request.



**7303 – PE3/5 – Water Supply Plan: Desalters**

**Engineering Services**

|                       | Required        | Discretionary | Total           |
|-----------------------|-----------------|---------------|-----------------|
| Consultant            | \$29,544        |               | \$29,544        |
| ODCs                  | \$800           |               | \$800           |
| Outside Professionals |                 |               |                 |
| <b>Total</b>          | <b>\$30,344</b> |               | <b>\$30,344</b> |

**Rationale**

The 2004 Basin Plan Amendment approved by the Regional Water Quality Control Board and the State Water Resources Control Board established the "maximum benefit" objectives and established certain milestones that must be achieved by Watermaster and IEUA. To demonstrate compliance with the Regional Board Order, Watermaster and IEUA agreed to achieve Hydraulic Control. The Chino Creek Well Field (CCWF) is an important element required to achieve Hydraulic Control in the southwest portion of Chino Basin. It is also important to Watermaster parties that drawdown caused by the CCWF does not cause damaging land subsidence and ground fissure. The purpose of this task is to provide technical support for the CDA, and oversight for the Watermaster Board, on the design and construction activities associated with the CCWF and desalter expansion.

**Scope of Work<sup>12</sup>**

Consultant shall perform the following tasks at the discretion of the Watermaster CEO:

- **Meetings.** Consultant shall attend Desalter Expansion/Chino Creek Well Field meetings as required.
- **Support Chino Desalter Authority (CDA) Consultant in the Desalter Expansion Design Process.** The consultant will provide as-needed engineering support to CDA desalter expansion and hydrogeologic consultants.
- **Review CDA Consultant Design and Construction of Production Wells.** Consultant work includes the review of work of completed by CDA hydrogeological consultant. This includes review of any the location, preliminary design documents, as well as field activities as they pertain to production well design. Consultant will work with the CDA hydrogeologic consultant to provide input regarding the following specific field activities:
  - Geophysical log and pilot hole sample interpretation;
  - Zone testing on pumping well pilot borehole and water quality analysis interpretation;
  - Pumping well design based on lithological logs, geophysical logs, results of zone tests;
  - Geophysical log and monitoring well sample interpretation

Consultant will also respond to requests by the CDA for consistency findings for proposed well construction and related well operations with the OBMP and the Peace Agreements.

<sup>12</sup> The CDA is nearly complete with the CCWF, but they have decided not to construct Well I-19, and explore other well locations in southern Chino Basin.



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**Deliverables**

The deliverables for this work will be defined by the specific Watermaster staff request.



**7402 – PE4 – Management Zone Strategies: MZ-1**

**Engineering Services**

|                       | <b>Required</b> | <b>Discretionary</b> | <b>Total</b>    |
|-----------------------|-----------------|----------------------|-----------------|
| Consultant            | \$50,843        |                      | \$50,843        |
| ODCs                  | \$1,219         |                      | \$1,219         |
| Outside Professionals | \$15,000        |                      | \$15,000        |
| <b>Total</b>          | <b>\$67,062</b> |                      | <b>\$67,062</b> |

**Rationale**

Program Element 4 of the OBMP states that land subsidence and ground fissuring in MZ1 are not acceptable and, to the extent that the cause is pumping in MZ1, should be managed to tolerable levels. Watermaster conducts a ground-level monitoring program to support this objective per the requirements of the Peace Agreement, the subsequently developed Court-approved MZ1 Subsidence Management Plan (MZ1 Plan), and the monitoring and mitigation requirements of the Peace II CEQA SEIR. The MZ1 Plan calls for the annual evaluation of data derived from the monitoring program and revisions to the MZ1 Plan and/or the monitoring program, if necessary.

**Scope of Work**

Consultant shall perform the following tasks:

- Analyze all data collected during the 2012 calendar year under the ground-level monitoring program. These data include groundwater levels, groundwater production, aquifer recharge, aquifer-system deformation, tectonic deformation, pumping test results, ground-level surveys, horizontal strain, and InSAR. – *Required by MZ1 Plan*
- Prepare MZ1 Annual Report that will summarize the data collected and the analyses performed – *Required by MZ1 Plan*
- Prepare an update of the MZ1 Plan, if necessary – *Required by MZ1 Plan*
- Conduct meetings with the Land Subsidence Committee to review the data and analyses and develop a list of potential activities for the next fiscal year (2013-14) – *Required by MZ1 Plan*

**Deliverables**

Consultant shall deliver to Watermaster no later than the date or dates indicated, the following:

- The MZ-1 Annual Report by June 30, 2013 which will contain the conclusions regarding the protective nature of the MZ-1 Plan, the CBWM-approved activities for the next fiscal year, and the revised MZ-1 Plan, if revisions are necessary.



## 7502 - PE6/7 - Cooperative Efforts/Salt Management

### Engineering Services

|                       | Required | Discretionary   | Total           |
|-----------------------|----------|-----------------|-----------------|
| Consultant            |          | \$57,646        | \$57,646        |
| ODCs                  |          | \$632           | \$632           |
| Outside Professionals |          | \$2,678         | \$2,678         |
| <b>Total</b>          |          | <b>\$60,956</b> | <b>\$60,956</b> |

### Rationale

In the judgment, Watermaster is provided with discretionary powers to address water quality issues in the basin: "Watermaster, with the advice of the Advisory and Pool Committees, is granted discretionary powers in order to develop an optimum basin management program for Chino Basin, including both water quantity and quality considerations." In the Implementation Plan of the Peace Agreement, Watermaster has committed to certain responsibilities under Program Elements 6 and 7<sup>13</sup>: "Watermaster can improve water quality management in the Basin by committing resources to:

- Identify water quality anomalies through monitoring;
- assist the Regional Board in determining sources of the water quality anomalies;
- establish priorities for clean-up jointly with RWQCB; and
- remove organic contaminants through regional groundwater treatment projects in the southern half of the Basin."

Attachment D to the Peace II Agreement further defines water quality commitments for the MZ-3 monitoring program (now a part of the Groundwater Quality Monitoring Program), the OIA VOC plume (now called the Archibald South VOC plume), the Chino Airport plume, the GE Flat Iron Remediation, and the TDS and Nitrogen monitoring, pursuant to the 2004 Basin Plan Amendment.

### Scope of Work

Consultant shall perform the following tasks:

- **Water Quality Committee Meetings.** The consultant shall prepare for and attend two quarterly meetings with the WQC. For each of the meetings, the Consultant shall prepare engineering updates with supporting maps, charts, tables, handouts, and PowerPoint presentations, as appropriate.
- **As Needed Investigations (e.g., perchlorate isotopes).** This task is for special water quality studies, for example, Watermaster serves on the Technical Advisory Committee on the Environmental Security Technology Certification Program (ESTCP) study of the potential for perchlorate contamination to migrate from the Rialto-Colton Management Zone into Chino North Management Zone. ESTCP is DOD's environmental technology demonstration and validation program and they are providing funds for the USGS and other agencies to complete the work. Watermaster provides technical oversight and review. This subtask also includes ad hoc engineering services for constituents of emerging concern (hexavalent chromium, 1,2,3-trichloropropane [1,2,3-TCP], etc.)

<sup>13</sup> Program Element 6 – Develop and Implement Cooperative Programs with the Regional Board and Other Agencies to Improve Basin Management. Program Element 7 – Salt Management Program



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- **Archibald South VOC Plume. Subtasks include:**
  - assist Watermaster CEO with coordination and negotiation with PRPs
  - assist Watermaster CEO with oversight of monitoring well drilling, construction, and testing, if required
  - sampling of about 50 agricultural wells, if data cannot be acquired from PRPs
  - analysis of groundwater elevation and groundwater quality data
  - development of revised VOC plume maps
  - groundwater model runs to demonstrate capture of the plume by the desalter well fields
  - preparation of technical exhibits to be used in PRP negotiations
- **Chino Airport VOC Plume. Subtasks include:**
  - coordination and negotiation with Chino Airport PRP
  - oversight of monitoring well drilling, construction, and testing, if required
  - analysis of groundwater elevation and groundwater quality data
  - development of revised VOC plume maps
  - preparation of technical exhibits to be used in PRP negotiations
  - groundwater model runs to estimate plume capture and provide CDA design engineers with estimated influent concentrations of TDS, nitrate, TCE, and 1,2,3-TCP.
- **Assist Watermaster Staff with the Sampling and Analysis of the Alger Well**

**Deliverables**

Consultant shall deliver to Watermaster on the meeting date, the following:

- Maps, charts, tables, handouts, and PowerPoint presentations and others as specified by the Watermaster CEO.



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**7602 - PE8/9 - Storage Management/Conjunctive Use**

**Engineering Services**

|                       | Required | Discretionary   | Total           |
|-----------------------|----------|-----------------|-----------------|
| Consultant            |          | \$11,328        | \$11,328        |
| ODCs                  |          |                 |                 |
| Outside Professionals |          |                 |                 |
| <b>Total</b>          |          | <b>\$11,328</b> | <b>\$11,328</b> |

**Rationale**

This task would be performed at the direction of the Watermaster CEO.

**Scope of Work**

This task provides engineering services to assist Watermaster staff with technical issues beyond their level of technical expertise and to assist Watermaster staff on an as-needed basis with Storage Program issues. There no specific issues that were identified in the development of the fiscal year 2012/13 budget.

**Deliverables**

The deliverables for this work will be defined by the specific Watermaster staff request.



Attachment B:

| Brownstein Hyatt Farber Schreck  |   |  | 2012-2013 Proposed Budget |             | Revision April 23, 2012 |                   |  |                   |                   |
|--|---|--|---------------------------|-------------|-------------------------|-------------------|--|-------------------|-------------------|
| Account  | Description                                 | Note   | Labor (Cost)              |             | FY                      | FY                |  |                   |                   |
|  |   |  | Total Hours               | Cost        | 2012/2013 Budget        | 2011/2012 Budget  |  |                   |                   |
|  |   |  | Task                      | Account     |                         |                   |  |                   |                   |
| <b>WM Legal Services - Meetings, Business Items, Associated Activities</b> |   |  |                           |             |                         |                   |  |                   |                   |
| 6275   | Advisory Committee Meetings                 | 8.0 Hours/Month X 12 Months @ \$305            |                           | 96          | \$ 29,280               |                   |  | \$ 201,360        | \$ 138,060        |
| 6375   | Board Meetings                              | 12.0 Hours/Month X 12 Months @ \$585           |                           | 144         | \$ 84,240               |                   |  |                   |                   |
| 8375   | Appropriative Pool Meetings                 | 8.0 Hours/Month X 12 Months @ \$305            |                           | 96          | \$ 29,280               |                   |  |                   |                   |
| 8475   | Agricultural Pool Meetings                  | 8.0 Hours/Month X 12 Months @ \$305            |                           | 96          | \$ 29,280               |                   |  |                   |                   |
| 8575   | Non-Agricultural Pool Meetings              | 8.0 Hours/Month X 12 Months @ \$305            |                           | 96          | \$ 29,280               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>528</b>  | <b>\$ 201,360</b>       | <b>\$ 201,360</b> |  |                   |                   |
| 6070   | <b>WM Legal Services</b>                    |  |                           |             |                         |                   |  | \$ 175,645        | \$ 202,555        |
| 6071   | Court Coordination                          | 35 Hrs @ \$585, 35 Hrs @ \$305, 20 Hrs @ \$240 |                           | 90          | \$ 35,950               |                   |  |                   |                   |
| 6072   | Restated/Annotated Judgment                 | 60 Hrs @ \$585, 60 Hrs @ \$305, 15 Hrs @ \$240 |                           | 135         | \$ 57,000               |                   |  |                   |                   |
| 6073   | Personnel Matters                           | 25 Hrs @ \$305                                 |                           | 25          | \$ 7,625                |                   |  |                   |                   |
| 6074   | Interagency Issues                          | 144 Hrs @ \$305                                | A                         | 144         | \$ 43,920               |                   |  |                   |                   |
| 6078   | Miscellaneous                               | 35 Hrs @ \$585, 35 Hrs @ \$305                 | B                         | 70          | \$ 31,150               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>464</b>  | <b>\$ 175,645</b>       | <b>\$ 175,645</b> |  |                   |                   |
| 6907.31  | <b>S. Archibald Plume</b>                   |  |                           |             |                         |                   |  | \$ 31,800         | \$ 24,625         |
|  | S. Archibald Plume                          | 30 Hrs @ \$585, 10 Hrs @ \$510, 30 Hrs @ \$305 |                           | 70          | \$ 31,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>70</b>   | <b>\$ 31,800</b>        | <b>\$ 31,800</b>  |  |                   |                   |
| 6907.32  | <b>Chino Airport Plume</b>                  |  |                           |             |                         |                   |  | \$ 31,800         | \$ 25,675         |
|  | Chino Airport Plume                         | 30 Hrs @ \$585, 10 Hrs @ \$510, 30 Hrs @ \$305 |                           | 70          | \$ 31,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>70</b>   | <b>\$ 31,800</b>        | <b>\$ 31,800</b>  |  |                   |                   |
| 6907.33  | <b>Desalter/Hydraulic Control Issues</b>    |  |                           |             |                         |                   |  | \$ 50,100         | \$ 67,425         |
|  | Continued CDA Support                       | 50 Hrs @ \$585, 10 Hrs @ \$305                 |                           | 60          | \$ 32,300               |                   |  |                   |                   |
|  | Hydraulic Control                           | 20 Hrs @ \$585, 20 Hrs @ \$305                 | C                         | 40          | \$ 17,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>100</b>  | <b>\$ 50,100</b>        | <b>\$ 50,100</b>  |  |                   |                   |
| 6907.34  | <b>Santa Ana River Water Rights</b>         |  |                           |             |                         |                   |  | \$ 33,250         | \$ 25,125         |
|  | Water right permits 20753 and 19895         | 50 Hrs @ \$305, 75 Hrs @ \$240                 |                           | 125         | \$ 33,250               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>125</b>  | <b>\$ 33,250</b>        | <b>\$ 33,250</b>  |  |                   |                   |
| 6907.35  | <b>Paragraph 31 Motion</b>                  |  |                           |             |                         |                   |  | \$ 17,800         | \$ 39,200         |
|  | Continued support of motion and appeals     | 20 Hrs @ \$585, 20 Hrs @ \$395                 |                           | 40          | \$ 17,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>40</b>   | <b>\$ 17,800</b>        | <b>\$ 17,800</b>  |  |                   |                   |
| 6907.36  | <b>Santa Ana River Habitat</b>              |  |                           |             |                         |                   |  | \$ 21,150         | \$ -              |
|  |   | 30 Hrs @ \$305, 50 Hrs @ \$240                 |                           | 80          | \$ 21,150               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>80</b>   | <b>\$ 21,150</b>        | <b>\$ 21,150</b>  |  |                   |                   |
| 6907.37  | <b>Storage &amp; Recovery</b>               |  |                           |             |                         |                   |  | \$ -              | \$ -              |
|  | <b>Total for Activity</b>                   |  |                           | <b>0</b>    | <b>\$ -</b>             | <b>\$ -</b>       |  |                   |                   |
| 6907.38  | <b>Reg. Water Quality Control Board</b>     |  |                           |             |                         |                   |  | \$ 11,950         | \$ 13,750         |
|  | Legal counsel involvement in ongoing issues | 10 Hrs @ \$585, 20 Hrs @ \$305                 |                           | 30          | \$ 11,950               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>30</b>   | <b>\$ 11,950</b>        | <b>\$ 11,950</b>  |  |                   |                   |
| 6907.39  | <b>Recharge Master Plan</b>                 |  |                           |             |                         |                   |  | \$ 44,500         | \$ 25,360         |
|  | Includes Storage and Recovery Issues        | 50 Hrs @ \$585, 50 Hrs @ \$305                 |                           | 100         | \$ 44,500               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>100</b>  | <b>\$ 44,500</b>        | <b>\$ 44,500</b>  |  |                   |                   |
| 6907.40  | <b>Storage Agreements</b>                   |  |                           |             |                         |                   |  | \$ 17,800         | \$ -              |
|  | Includes Storage and Recovery Issues        | 20 Hrs @ \$585, 20 Hrs @ \$305                 |                           | 40          | \$ 17,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>40</b>   | <b>\$ 17,800</b>        | <b>\$ 17,800</b>  |  |                   |                   |
| 6907.41  | <b>Prado Basin Habitat Sustainability</b>   |  |                           |             |                         |                   |  | \$ 17,800         | \$ -              |
|  | Prado Basin Habitat                         | 20 Hrs @ \$585, 20 Hrs @ \$305                 |                           | 40          | \$ 17,800               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>40</b>   | <b>\$ 17,800</b>        | <b>\$ 17,800</b>  |  |                   |                   |
| 6907.9   | <b>WM Legal Counsel - Unanticipated</b>     |  |                           |             |                         |                   |  | \$ 25,000         | \$ -              |
|  | Miscellaneous                               | 70 Hrs @ \$585, 30 Hrs @ \$305                 |                           | 55          | \$ 25,000               |                   |  |                   |                   |
|  | <b>Total for Activity</b>                   |  |                           | <b>55</b>   | <b>\$ 25,000</b>        | <b>\$ 25,000</b>  |  |                   |                   |
|  | <b>Total--All Accounts</b>                  |  |                           | <b>1742</b> | <b>\$ 679,955</b>       | <b>\$ 679,955</b> |  | <b>\$ 679,955</b> | <b>\$ 561,775</b> |

Notes: (A) Variety of day-to-day matters that arise throughout the month concerning the Judgment, Rules, agreements, etc.  
(B) Activities related to Interagency Cooperative Agreements and other matters (i.e. water purchases from MWD).  
(C) Includes attorney and witness preparation, hearing attendance and potential post-hearing activities.

General Notes:

--Brownstein maintains a 10% discount on all fees over \$100,000 as part of the original contract with Watermaster.  
--There are out-of-pocket costs that include phone charges, electronic legal research charges, travel costs (including mileage, lodging, etc.) and other incidental costs.  
--Rather than attempt to project which budget items would be affected by the 10% discount, and which out-of-pocket cost items might be relevant to which budget items, the budget detail assumes they offset each other.

Brownstein | Hyatt  
Farber | Schreck

## Memorandum

**DATE:** April 24, 2011  
**TO:** Watermaster Staff  
**FROM:** Brownstein Hyatt Farber Schreck, LLP  
**RE:** Legal Counsel Budget Detail and Analysis

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This worksheet has been prepared at your request so as to provide additional detail regarding the expected legal fees and costs that will be incurred if Watermaster implements its responsibilities under the Judgment, pending Court Orders, including the Peace I and Peace II Agreements and the Optimum Basin Management Program (OBMP). The Nine Member Board is expected to implement these measures. Additional fees and costs may be incurred in connection with actions that are within Watermaster's duties and regulatory authority but outside the control of staff and counsel. That is, Parties to the Judgment and persons not bound by the Judgment may initiate actions that require a response from Watermaster.

This worksheet utilizes the original budget as proposed by legal counsel in April of 2012 so that any reductions in budgeted amount can be made in light of actual projections concerning time and level of activity associated with anticipated budget line items. The experience of Watermaster over the past ten years since Brownstein Hyatt Farber Schreck (Brownstein) was retained as counsel provides a basis for the budget based upon a customary level of activity. These services are included within the budget as requested to provide service as legal counsel to the Board. Thus, the proposed budget amount analyzed below is approximately \$680,000, which includes a \$25,000 allocation for unanticipated expenses.

**Budget Assumptions:** The number of hours expended to provide the desired level of service is the primary factor in legal counsel expense. The budgeted amount includes reimbursement for out-of-pocket costs that include phone charges, electronic legal research charges, travel costs (including mileage, lodging, etc.) and other incidental costs. While these costs traditionally vary from month to month, they do not constitute a material portion of the budget. Typically, 2-5% of a monthly bill is cost recovery.

Brownstein has represented Watermaster for a decade and consequently, as a matter of Brownstein policy, Watermaster enjoys a continuing and gradually steepening discount against standard rates. In some cases the discount approaches 30%. As a further accommodation to Watermaster and its favored status, Brownstein maintains a 10% discount on all fees over \$100,000 as part of our original contract with Watermaster. When spread over the entirety of the Brownstein fees, this discount results in an approximately 8.5% discount on all fees whenever incurred.

Rather than attempting the detailed analysis that would be required to project which budget items would be affected by this discount, and which out-of-pocket cost items might be relevant to which budget items, the budget detail below uses a simple multiplier of time spent against rates for each attorney. This has the effect of creating an approximately 6% cushion in the estimates provided below assuming that the cost ratio from the most recent bill is representative (i.e., 8.5% - 2.5% = 6%).

Slater and Herrema are the principal lawyers assigned to the Watermaster matter. Over the years, Slater's activities are generally reserved to Watermaster Board meetings, assignments directed by the Board and task driven.

**Definition of "unanticipated expenses":** For the purposes of this memorandum, "unanticipated expenses" refers to an amount of money that is budgeted to account for legal issues that may arise post budget approval that were not anticipated in the budget, or to account for underestimates in the budget for the anticipated matters as a result of unforeseen complexity. Historically, the Watermaster budget preference has been to under fund all parts of the budget including contingency so as to not create an expectancy of the higher expenditure. Experience suggests that the Watermaster Board and the Parties to the Judgment have been more comfortable with assigning additional revenues to a matter after the actual need has been identified. Such funds whose use requires a Board-approved budget transfer are sometimes identified as "contingency." This analysis uses the term "unanticipated expenses" in the first sense to refer to an amount of money that is budgeted to account for unanticipated expenses.

**Watermaster Legal Counsel (6275, 6375, 8375, 8475, 8575)**

Detail articulated below includes:

|                               |                   |
|-------------------------------|-------------------|
| Regular Meeting Attendance    | \$ 201,360        |
| Court Coordination            | \$ 35,950         |
| Restated Judgment             | \$ 57,000         |
| Personnel Issues              | \$ 7,625          |
| Interagency and Miscellaneous | <u>\$ 75,070</u>  |
| Total:                        | <u>\$ 377,005</u> |

Regular Meeting Attendance \$201,360

Assumptions: Four meeting days per month staffed by one attorney per meeting. There are occasions when it is necessary to have more than one attorney at a given meeting, in particular at Board meetings, but the Pools have also indicated a desire to reduce the number of Pool meetings that legal counsel attends, so these two factors may balance each other. Assumed hours commitment of 8 hours per meeting inclusive of attendance, travel and preparation. Assumption of regular attendance by Slater at the Board meeting (12 hours x 12 months = 144 hours) and by Herrema at Pools and Advisory Committee (8 hours x 4 pools x 12 months = 384 hours) for an approximate total of \$201,360.

**Court Coordination (6071)**

Activities:

(1) Regular court hearings. \$35,950

Judge Reichert has indicated a desire to be educated on Watermaster matters, and policy discussions at Watermaster over the past year have suggested that Watermaster should be more proactive about keeping the Court informed of ongoing Watermaster matters. Past discussion has suggested it would be beneficial to have quarterly status conferences with the Court. At least two other budget activities described below include Court approval hearings, so this item is budgeted at two additional hearings. Given that Court hearings require more preparation than regular monthly meetings, this category assumed an hours commitment of 35 hours per hearing inclusive of attendance, travel and preparation of reports or other filings. This category assumes one attorney per hearing, though it is often necessary to staff a hearing with more than one attorney. Responsibility for this task is shared equally between Slater (35 hours) and Herrema (35 hours) with assistance from Drake (20 hours) for an approximate total of \$35,950.

(2) Restated Judgment/Annotated Judgment/Updated Rules and Regulations (6072)  
 \$57,000

The Judgment, rules and regulations will be fully annotated and the rules and regulations will be conformed to account for updates and changes made during the Peace II process. It is anticipated that

some portion of the work can be done by an associate attorney Ryan Drake (15 hours) or an equivalent billing attorney and the rest of the responsibility will be shared equally by Slater (60 hours) and Herrema (60 hours) for an approximate total of \$57,000.

**Interagency Issues and Miscellaneous (6074 and 6078) \$75,070**

There are always a variety of day-to-day matters that arise throughout a month concerning questions that require interpretation of the Judgment, Rules, agreements, etc. Included with this is legal counsel input to monthly agenda planning. Time assumption is 3 hours per week and it is assumed that Herrema (12 hours x 12 months = 144 hours) is the attorney responsible for these matters, with an approximate cost of \$43,920.

To the extent that agreements between the parties arise, there will likely be a nominal involvement from legal counsel. In addition, it is likely that a number of interagency agreements will be required in FY12-13 as in past years. These activities assume equal involvement from Slater (35 hours) and Herrema (35 hours) for an approximate total of \$31,150.

**Personnel (6073) \$7,625**

Other than the hiring of a full time CEO, it is not anticipated that any significant personnel issues will arise in FY2012-13, though some level of activity is the norm in any year. Thus, we have proposed a nominal budget for this item for Herrema or an equivalent billing attorney of 25 hours, and an approximate total of \$7,625.

**S. Archibald Plume – Formerly OIA (6907.31) \$31,800**

Proposed budget assumes that Slater will be the primary attorney assigned to the task of ABGL facilitation (30 hours) with input from Mark Mathews (10 hours) and involvement from Herrema (30 hours) for an approximate total of \$31,800.

**Chino Airport Plume (6907.32) \$31,800**

Watermaster and CDA are currently involved in negotiations with San Bernardino County as they have been for some time. The proposed budget assumes staffing primarily by Mathews (30 hours) with input from Slater (10 hours) and Herrema (30 hours) for an approximate total of \$31,800.

**Desalter/Hydraulic Control Issues (6907.33) \$50,100**

**Regional Water Quality Control Board (6907.38) \$11,950**

Given the significance of the Desalter and Hydraulic Control issues to the OBMP, legal counsel believes it is appropriate to expect significant activity on this issue continuing into FY 2012-13. Given his participation in the CDA facilitation, Slater will be the primary attorney (70 hours) with assistance from Herrema (30 hours), for an approximate total of \$50,100. Regarding the Regional Water Quality Control Board, Slater will provide (10 hours) and Herrema (20 hours) for an approximate total of \$11,950.

**Santa Ana River Water Rights (6907.34) \$33,250**

Legal counsel is currently completing a process to extend the time in which Watermaster must seek to license its water right permit numbers 19895 and 20753. It is hoped that the extension for 20753 will be resolved in FY11-12, and the only remaining process on this permit will be whatever follow-up interaction with staff is needed following action by the SWRCB. However, once this permit is complete it will be necessary to pursue a similar process with regard to permit 19895. Watermaster additionally is required to complete annual reporting to the Department of Fish and Game and the SWRCB regarding its diversions under its permit 21225. In addition, given the history on the Santa Ana River it is prudent to account for some level of activity with regard to water rights on the River. Thus, it appears that this budget item may be over-budgeted at this time by a nominal amount.

Work under this budget item is split 40% Herrema (50 hours) and 60% Drake (75 hours) for an approximate total of \$33,250.

**Paragraph 31 Motion (6907.35) \$17,800**

While it is hopeful that the Paragraph 31 Motion Appeal will be fully settled during FY11-12, at least one Non-Agricultural Pool member has indicated it will not sign on to the proposed settlement. The process of resolving this issue and any "loose ends" resulting from the settlement will likely take place in FY12-13.

Given the number of variables described above, it is very difficult to predict an accurate amount of time that may be required on this matter. We have proposed a moderate budget that assumes equal involvement by Slater (20 hours) and Herrema (20 hours) for an approximate total of \$17,800.

**Recharge Master Plan (6907.39) \$44,500**

At the time of Court approval of the RMP Watermaster indicated to the Court that IEUA had not yet approved the RMP and would wait until further information made available through the UWMPs to make its decision. Thus, it is anticipated that further legal process will need to occur regarding approval of Condition Subsequent Number 8.

Additionally, it appears that as part of the RMP implementation process that issues concerning storage and recovery in the Basin will need to be addressed. These include discussions about the MWD DYY account (both internal discussions as well as discussions with MWD), and internal discussions about the Peace II cap on the storage of supplemental water. It is anticipated that there will be some level of involvement of legal counsel in these issues, though the extent of this involvement is not clear at this time.

While it is difficult to predict the amount of time that will be required of legal counsel to address these issues, the importance of the issues suggests it is appropriate to plan for significant legal counsel activity.

We have proposed a time allocation with equal involvement by Slater (50 hours) and Herrema (50 hours) for an approximate total of \$44,500.

**Santa Ana River Habitat (6907.36) \$21,150**

Regarding the Santa Ana River Habitat, Herrema will provide (30 hours) and Drake (50 hours) for an approximate total of \$21,150.

**Storage Agreements (6907.40) \$17,800**

Regarding the Storage Agreements, Slater will provide (20 hours) and Herrema (20 hours) for an approximate total of \$17,800.

**Prado Basin Habitat Sustainability (6907.41) \$17,800**

Regarding the Prado Basin Habitat Sustainability, Slater will provide (20 hours) and Herrema (20 hours) for an approximate total of \$17,800.

**Unanticipated Expenses (6907.9) \$25,000**

Regarding the unanticipated expenses that may occur during the year, Slater has been budgeted at (70 hours) and Herrema is budgeted (30 hours) for an approximate total of \$25,000.



**CHINO BASIN WATERMASTER**  
**PROPOSED BUDGET FY 2012-2013**  
**MAY 10, 2012**

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**CHINO BASIN WATERMASTER  
ASSESSMENT CALCULATION  
FISCAL YEAR 2012-2013  
INCLUDES "10% ADMINISTRATIVE AND 15% OBMP/PROJECT OPERATING RESERVES"**

|  | FY<br>2011-2012<br>BUDGET | FY<br>2012-2013<br>BUDGET | ASSESSMENT    | APPROPRIATIVE POOL     |             | AGRICULTURAL POOL      |             | NON-AG POOL            |           |
|--|---------------------------|---------------------------|---------------|------------------------|-------------|------------------------|-------------|------------------------|-----------|
| <b>PRODUCTION BASIS</b>  |                           |                           |               |                        |             |                        |             |                        |           |
| 2010-11 Production & Exchanges in Acre-Feet (Actuals)                        |                           |                           | 113,666.995   | 78,410.414             | 68.983%     | 31,342.082             | 27.574%     | 3,914.499              | 3.444%    |
| 2011-12 Production & Exchanges in Acre-Feet (Projected)                      |                           |                           | 117,125.000   | 83,288.000             | 71.10%      | 30,080.000             | 25.682%     | 3,757.000              | 3.208%    |
| <b>BUDGET</b>  |                           |                           |               |                        |             |                        |             |                        |           |
| Administration, Advisory Committee & Watermaster Board (1)                   | \$1,009,601               | \$1,078,942               | \$1,078,942   | General Administration | OBMP        | General Administration | OBMP        | General Administration | OBMP      |
| OBMP & Implementation Projects (1)   | 5,337,622                 | 5,090,204                 | 5,090,204     | \$767,240              | 3,619,662   | \$277,093              | 1,307,264   | \$34,609               | 163,278   |
| General Admin & OBMP Assessments   | \$6,347,223               | \$6,169,146               | 6,169,146     | 767,240                | 3,619,662   | 277,093                | 1,307,264   | 34,609                 | 163,278   |
| <b>TOTAL BUDGET</b>  |                           |                           | 6,169,146     | 767,240                | 3,619,662   | 277,093                | 1,307,264   | 34,609                 | 163,278   |
| Less Budgeted Interest Income  | (150,010)                 | (39,600)                  | (39,600)      |                        | (28,160)    |                        | (10,170)    |                        | (1,270)   |
| Contributions from Outside Agencies  | (411,000)                 | (152,938)                 | (152,937)     |                        | (108,754)   |                        | (39,277)    |                        | (4,906)   |
| <b>CASH DEMAND</b>   |                           |                           | 5,976,609     | 767,240                | 3,482,748   | 277,093                | 1,257,817   | 34,609                 | 157,102   |
| <b>OPERATING RESERVE</b>   |                           |                           |               |                        |             |                        |             |                        |           |
| Administrative (10%)   | 10%                       | 107,894                   | \$107,894     | \$76,724               |             | \$27,709               |             | \$3,461                |           |
| OBMP (15%)   | 15%                       | 763,531                   | 763,531       |                        | 542,949     |                        | 196,090     |                        | 24,492    |
| <b>Less: Funds On Hand Utilized for Assessments (2)</b>                      |                           | (871,425)                 | (871,425)     | (108,377)              | (511,297)   | (39,141)               | (184,658)   | (4,889)                | (23,064)  |
| <b>FUNDS REQUIRED TO BE ASSESSED</b>   |                           |                           | \$5,976,609   | \$735,587              | \$3,514,401 | \$265,661              | \$1,269,249 | \$33,181               | \$158,529 |
| Proposed Assessments   |                           |                           |               |                        | \$51.03     |                        |             |                        |           |
| General Administration Assessments   | A                         |                           | Per Acre-Foot | \$8.83                 | \$42.20     | \$8.83                 | \$42.20     | \$8.83                 | \$42.20   |
| Minimum Assessments  |                           |                           | Per Producer  | \$5.00                 |             |                        |             | \$5.00                 |           |
| Prior Year Assessments, Information Only (Actuals)                           | B                         |                           | Per Acre-Foot | \$8.60                 | \$40.54     | \$8.60                 | \$40.54     | \$8.60                 | \$40.54   |
|  | A - B                     |                           |               | \$0.23                 | \$1.66      |                        |             |                        | \$1.89    |
| Estimated Assessment as of "Approved" Budget July 28, 2011: Information Only |                           |                           |               | \$8.62                 | \$40.63     | \$8.62                 | \$40.63     | \$8.62                 | \$40.63   |
|  |                           |                           |               |                        | \$49.25     |                        |             |                        |           |

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

(2) Cash on Hand is June 30 fund balance (estimated) less funds required for Agricultural Pool Reserves, carryover replenishment obligations, SB 22 funds and Education funds.

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**CHINO BASIN WATERMASTER  
SUMMARY BUDGET FY 2012-2013**

|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Amended<br>vs.<br>Proposed | % Variance<br>Amended vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|--------------------------------------|
| 4000 Mutual Agency Revenue                  | \$ 111,000                 | \$ 411,000                     | \$ 654,580                    | \$ 152,938                     | \$ -                                | \$ 152,938                     | \$ 152,938                    | \$ (501,642)               | (76.6)%                              |
| 4110 Appropriative Pool Assessments         | 6,165,079                  | 5,844,796                      | 5,844,796                     | 6,285,952                      | 0                                   | 6,285,952                      | 6,285,952                     | 441,156                    | 7.5%                                 |
| 4120 Non-Agricultural Pool Assessments      | 343,090                    | 252,381                        | 252,381                       | 191,711                        | 0                                   | 191,711                        | 191,711                       | (60,670)                   | (24.0)%                              |
| 4730 Prorated Interest Income               | 36,922                     | 150,010                        | 150,010                       | 39,600                         | 0                                   | 39,600                         | 39,600                        | (110,410)                  | (73.6)%                              |
| 4900 Miscellaneous Income                   | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| <b>Total Income</b>                         | <b>6,656,091</b>           | <b>6,658,187</b>               | <b>6,901,767</b>              | <b>6,670,201</b>               | <b>0</b>                            | <b>6,670,201</b>               | <b>6,670,201</b>              | <b>(231,566)</b>           | <b>-3.4%</b>                         |
| <b>Administrative Expenses</b>              |                            |                                |                               |                                |                                     |                                |                               |                            |                                      |
| 6010 Salary Costs                           | 481,459                    | 472,976                        | 592,976                       | 519,684                        | 0                                   | 519,684                        | 519,684                       | (73,292)                   | (12.4)%                              |
| 6020 Office Building Expense                | 98,313                     | 103,369                        | 103,369                       | 104,845                        | 0                                   | 104,845                        | 104,845                       | 1,476                      | 1.4%                                 |
| 6030 Office Supplies & Equip.               | 21,360                     | 28,500                         | 28,500                        | 27,000                         | 0                                   | 27,000                         | 27,000                        | (1,500)                    | (5.3)%                               |
| 6040 Postage & Printing Costs               | 61,289                     | 66,180                         | 66,180                        | 62,368                         | 0                                   | 62,368                         | 62,368                        | (3,812)                    | (5.8)%                               |
| 6050 Information Services                   | 155,412                    | 148,020                        | 148,020                       | 142,296                        | 0                                   | 142,296                        | 142,296                       | (5,724)                    | (3.9)%                               |
| 6060 WM Special Contract Services           | 29,708                     | 34,000                         | 66,000                        | 34,400                         | 0                                   | 34,400                         | 34,400                        | (31,600)                   | (47.9)%                              |
| 6070 Watermaster Legal Services             | 0                          | 202,555                        | 202,555                       | 175,645                        | 0                                   | 175,645                        | 175,645                       | (26,910)                   | 100.0%                               |
| 6080 Insurance Expense                      | 16,107                     | 19,036                         | 19,036                        | 19,393                         | (0)                                 | 19,393                         | 19,393                        | 357                        | 1.9%                                 |
| 6110 Dues and Subscriptions                 | 29,520                     | 30,000                         | 30,000                        | 27,500                         | 0                                   | 27,500                         | 27,500                        | (2,500)                    | (8.3)%                               |
| 6150 Field Supplies & Equipment             | 1,034                      | 1,600                          | 1,600                         | 1,400                          | 0                                   | 1,400                          | 1,400                         | (200)                      | (12.5)%                              |
| 6170 Travel & Transportation                | 25,842                     | 21,970                         | 21,970                        | 21,170                         | 0                                   | 21,170                         | 21,170                        | (800)                      | (3.6)%                               |
| 6190 Conferences & Seminars                 | 18,126                     | 17,500                         | 17,500                        | 15,000                         | 0                                   | 15,000                         | 15,000                        | (2,500)                    | (14.3)%                              |
| 6200 Advisory Committee Expenses            | 18,322                     | 54,051                         | 54,051                        | 53,385                         | 0                                   | 53,385                         | 53,385                        | (666)                      | (1.2)%                               |
| 6300 Watermaster Board Expenses             | 50,410                     | 101,246                        | 101,246                       | 143,894                        | 0                                   | 143,894                        | 143,894                       | 42,648                     | 42.1%                                |
| 6500 Education Fund Expenditures            | 375                        | 375                            | 375                           | 257                            | 0                                   | 257                            | 257                           | (118)                      | (31.5)%                              |
| 8300 Appropriative Pool Administration      | 51,778                     | 50,280                         | 50,280                        | 59,285                         | 0                                   | 59,285                         | 59,285                        | 9,005                      | 17.9%                                |
| 8400 Agricultural Pool Administration       | 186,152                    | 351,829                        | 351,829                       | 356,983                        | 0                                   | 356,983                        | 356,983                       | 5,154                      | 1.5%                                 |
| 8500 Non-Agricultural Pool Administration   | 145,903                    | 101,713                        | 101,713                       | 46,995                         | 0                                   | 46,995                         | 46,995                        | (54,718)                   | (53.8)%                              |
| 9400 Depreciation Expense                   | 20,699                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 9500 Allocated G&A Expenditures             | (393,760)                  | (720,599)                      | (720,599)                     | (732,558)                      | 0                                   | (732,558)                      | (732,558)                     | (11,959)                   | (1.7)%                               |
| <b>Total Administrative Expenses</b>        | <b>1,018,047</b>           | <b>1,084,601</b>               | <b>1,236,601</b>              | <b>1,078,942</b>               | <b>(0)</b>                          | <b>1,078,942</b>               | <b>1,078,942</b>              | <b>(157,659)</b>           | <b>(12.7)%</b>                       |
| <b>General OBMP Expenditures</b>            |                            |                                |                               |                                |                                     |                                |                               |                            |                                      |
| 6900 Optimum Basin Mgmt Program             | 1,510,065                  | 935,026                        | 1,053,121                     | 994,850                        | 0                                   | 994,850                        | 994,850                       | (58,271)                   | (5.5)%                               |
| 6950 Cooperative Efforts                    | 10,000                     | 10,000                         | 10,000                        | 10,000                         | 0                                   | 10,000                         | 10,000                        | 0                          | 0.0%                                 |
| 9501 Allocated G&A Expenditures             | 106,826                    | 216,375                        | 216,375                       | 214,336                        | 0                                   | 214,336                        | 214,336                       | (2,039)                    | (0.9)%                               |
| <b>Total General OBMP Expenses</b>          | <b>1,626,892</b>           | <b>1,161,401</b>               | <b>1,279,496</b>              | <b>1,219,186</b>               | <b>0</b>                            | <b>1,219,186</b>               | <b>1,219,186</b>              | <b>(60,310)</b>            | <b>(4.7)%</b>                        |
| <b>OBMP Implementation Projects</b>         |                            |                                |                               |                                |                                     |                                |                               |                            |                                      |
| 7101 Production Monitoring                  | 86,386                     | 104,900                        | 104,900                       | 108,746                        | 0                                   | 108,746                        | 108,746                       | 3,846                      | 3.7%                                 |
| 7102 In-Line Meter Installation/Maintenance | 20,162                     | 66,363                         | 66,363                        | 106,162                        | 0                                   | 106,162                        | 106,162                       | 39,799                     | 60.0%                                |
| 7103 Groundwater Quality Monitoring         | 195,041                    | 203,960                        | 209,923                       | 197,738                        | 0                                   | 197,738                        | 197,738                       | (12,185)                   | (5.8)%                               |
| 7104 Groundwater Level Monitoring           | 263,997                    | 276,432                        | 297,806                       | 318,898                        | 0                                   | 318,898                        | 318,898                       | 21,092                     | 7.1%                                 |
| 7105 Recharge Basin Water Quality Monitor   | 771                        | 3,592                          | 3,592                         | 3,118                          | 0                                   | 3,118                          | 3,118                         | (474)                      | (13.2)%                              |

**CHINO BASIN WATERMASTER  
SUMMARY BUDGET FY 2012-2013**

|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Amended<br>vs.<br>Proposed | % Variance<br>Amended vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|--------------------------------------|
| 7106 Water Level Sensors Install          | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 7107 Ground Level Monitoring              | 476,155                    | 904,443                        | 1,003,499                     | 524,451                        | 0                                   | 524,451                        | 524,451                       | (479,048)                  | (47.7)%                              |
| 7108 Hydraulic Control Monitoring Program | 400,051                    | 459,784                        | 427,078                       | 411,162                        | 0                                   | 411,162                        | 411,162                       | (15,916)                   | (3.7)%                               |
| 7109 Recharge & Well Monitoring Program   | 9,429                      | 11,160                         | 6,696                         | 21,540                         | 0                                   | 21,540                         | 21,540                        | 14,844                     | 221.7%                               |
| 7200 OBMP Pgm Element 2 - Comp Rechar     | 881,396                    | 1,341,785                      | 1,233,275                     | 1,374,719                      | 0                                   | 1,374,719                      | 1,374,719                     | 141,444                    | 11.5%                                |
| 7300 OBMP Pgm Element 3 & 5 - Water Sup   | 98,272                     | 93,383                         | 81,764                        | 75,995                         | 0                                   | 75,995                         | 75,995                        | (5,769)                    | (7.1)%                               |
| 7400 OBMP Pgm Element 4 - Mgmt Zone St    | 56,437                     | 70,067                         | 74,458                        | 82,250                         | 0                                   | 82,250                         | 82,250                        | 7,792                      | 10.5%                                |
| 7500 OBMP Pgm Element 6 & 7 - Coop Effo   | 100,802                    | 88,942                         | 88,942                        | 68,479                         | 0                                   | 68,479                         | 68,479                        | (20,463)                   | (23.0)%                              |
| 7600 OBMP Pgm Element 8 & 9 Storage Mg    | 25,881                     | 45,773                         | 45,773                        | 58,618                         | 0                                   | 58,618                         | 58,618                        | 12,845                     | 28.1%                                |
| 7700 inactive Well Protection Program     | 75                         | 1,413                          | 1,413                         | 920                            | 0                                   | 920                            | 920                           | (493)                      | (34.9)%                              |
| 7690 Recharge Improvement Debt Payment    | 366,790                    | 450,964                        | 450,964                       | 501,055                        | 0                                   | 501,055                        | 501,055                       | 50,091                     | 11.1%                                |
| 9502 Allocated G&A Expenditures           | 286,933                    | 504,224                        | 504,224                       | 518,222                        | 0                                   | 518,222                        | 518,222                       | 13,998                     | 2.8%                                 |
| <b>Total OBMP Implementation Projects</b> | <b>3,268,577</b>           | <b>4,627,185</b>               | <b>4,600,670</b>              | <b>4,372,073</b>               | <b>0</b>                            | <b>4,372,073</b>               | <b>4,372,073</b>              | <b>(228,597)</b>           | <b>(5.0)%</b>                        |
| <b>Total Expenses</b>                     | <b>5,913,516</b>           | <b>6,873,187</b>               | <b>7,116,767</b>              | <b>6,670,201</b>               | <b>(0)</b>                          | <b>6,670,201</b>               | <b>6,670,201</b>              | <b>(446,566)</b>           | <b>(6.3)%</b>                        |
| <b>Net Ordinary Income</b>                | <b>742,575</b>             | <b>(215,000)</b>               | <b>(215,000)</b>              | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>215,000</b>             | <b>100.0%</b>                        |
| <b>Other Income</b>                       |                            |                                |                               |                                |                                     |                                |                               |                            |                                      |
| 4225 Interest Income                      | 28,164                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 4210 Approp Pool-Replenishment            | 3,594,458                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 4220 Non-Ag Pool-Replenishment            | 27,546                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 4230 Groundwater Recharge Activity        | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 4600 Groundwater Sales                    | 5,995,123                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| <b>Total Other Income</b>                 | <b>9,645,291</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   | <b>0.0%</b>                          |
| <b>Other Expense</b>                      |                            |                                |                               |                                |                                     |                                |                               |                            |                                      |
| 5010 Groundwater Recharge                 | 8,735,408                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| 5105 Purchase of Non-Ag Pool Water        | 2,255,436                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| <b>Total Other Expense</b>                | <b>10,990,844</b>          | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   | <b>0.0%</b>                          |
| 9900 To / (From) Reserves                 | (602,977)                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          | 0.0%                                 |
| <b>Net Other Income</b>                   | <b>(742,575)</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   | <b>0.0%</b>                          |
| <b>Net Income</b>                         | <b>\$ -</b>                | <b>\$ (215,000)</b>            | <b>\$ (215,000)</b>           | <b>\$ 0</b>                    | <b>\$ 0</b>                         | <b>\$ 0</b>                    | <b>\$ 0</b>                   | <b>\$ 215,000</b>          | <b>100.0%</b>                        |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| <b>Ordinary Income</b>                              |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>Income</b>                                       |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>4000 Mutual Agency Revenue</b>                   |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4013 Local Agency Contr - OBMP                      | \$111,000                  | \$111,000                      | \$111,000                     | \$0                            | \$0                                 | \$0                            | \$0                           | (\$111,000)                |
| 4030 Basin Management Assistance                    | 0                          | 300,000                        | 300,000                       | 0                              | 0                                   | 0                              | 0                             | (300,000)                  |
| 4040 Cooperative Agreement                          | 0                          | 0                              | 243,580                       | 152,938                        | 0                                   | 152,938                        | 152,938                       | (90,642)                   |
| <b>Total 4000 Mutual Agency Revenue</b>             | <b>111,000</b>             | <b>411,000</b>                 | <b>654,580</b>                | <b>152,938</b>                 | <b>0</b>                            | <b>152,938</b>                 | <b>152,938</b>                | <b>(501,642)</b>           |
| <b>4110 Appropriative Pool Assessments</b>          |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4111 Administrative Assessment                      | 582,626                    | 674,504                        | 674,504                       | 735,586                        | 0                                   | 735,586                        | 735,586                       | 61,082                     |
| 4111.2 OBMP Assessment                              | 3,307,583                  | 3,179,008                      | 3,179,008                     | 3,514,401                      | 0                                   | 3,514,401                      | 3,514,401                     | 335,393                    |
| 4111.3 App Pool - Special Assessment                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4112 Ag Pool Reallocation - Administrative          | 235,794                    | 269,611                        | 269,611                       | 265,661                        | 0                                   | 265,661                        | 265,661                       | (3,950)                    |
| 4113 Ag Pool Reallocation - OBMP                    | 1,338,112                  | 1,270,709                      | 1,270,709                     | 1,269,249                      | 0                                   | 1,269,249                      | 1,269,249                     | (1,460)                    |
| 4115 Recharge Improvement Revenue                   | 700,964                    | 450,964                        | 450,964                       | 501,055                        | 0                                   | 501,055                        | 501,055                       | 50,091                     |
| 4117 P/Y Adjustments & Pool Interest                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4110 Appropriative Pool Assessments</b>    | <b>6,165,079</b>           | <b>5,844,796</b>               | <b>5,844,796</b>              | <b>6,285,952</b>               | <b>0</b>                            | <b>6,285,952</b>               | <b>6,285,952</b>              | <b>441,156</b>             |
| <b>4120 Non-Agricultural Pool Assessments</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4123 Administrative Assessment                      | 28,919                     | 33,674                         | 33,674                        | 33,181                         | 0                                   | 33,181                         | 33,181                        | (493)                      |
| 4123.3 Non-Ag Pool - Special Assessment             | 150,000                    | 60,000                         | 60,000                        | 0                              | 0                                   | 0                              | 0                             | (60,000)                   |
| 4124 OBMP Assessment                                | 164,171                    | 158,707                        | 158,707                       | 158,529                        | 0                                   | 158,529                        | 158,529                       | (178)                      |
| 4127 P/Y Adjustments                                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4120 Non-Agricultural Pool Assessments</b> | <b>343,090</b>             | <b>252,381</b>                 | <b>252,381</b>                | <b>191,711</b>                 | <b>0</b>                            | <b>191,711</b>                 | <b>191,711</b>                | <b>(60,670)</b>            |
| <b>4730 Prorated Interest Income</b>                |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4713 Interest Income-Other                          | (272)                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4731 Interest - Agricultural Pool                   | 2,324                      | 13,500                         | 13,500                        | 4,000                          | 0                                   | 4,000                          | 4,000                         | (9,500)                    |
| 4732 Interest - Appropriative Pool                  | 33,539                     | 133,500                        | 133,500                       | 34,400                         | 0                                   | 34,400                         | 34,400                        | (99,100)                   |
| 4733 Interest - Non-Agricultural Pool               | 1,327                      | 3,000                          | 3,000                         | 1,200                          | 0                                   | 1,200                          | 1,200                         | (1,800)                    |
| 4739 Interest - Education Fund                      | 4                          | 10                             | 10                            | 0                              | 0                                   | 0                              | 0                             | (10)                       |
| <b>Total 4730 Prorated Interest Income</b>          | <b>36,922</b>              | <b>150,010</b>                 | <b>150,010</b>                | <b>39,600</b>                  | <b>0</b>                            | <b>39,600</b>                  | <b>39,600</b>                 | <b>(110,410)</b>           |
| <b>4900 Miscellaneous Income</b>                    | <b>0</b>                   | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Total Income</b>                                 | <b>6,656,091</b>           | <b>6,658,187</b>               | <b>6,901,767</b>              | <b>6,670,201</b>               | <b>0</b>                            | <b>6,670,201</b>               | <b>6,670,201</b>              | <b>(231,566)</b>           |
| <b>Administrative Expenses</b>                      |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>6010 Salary Costs</b>                            |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6011 WM Staff Salaries & Payroll Burden             | 523,551                    | 441,032                        | 561,032                       | 462,560                        | 0                                   | 462,560                        | 462,560                       | (98,472)                   |
| 6012 Payroll Services                               | 3,845                      | 4,020                          | 4,020                         | 4,200                          | 0                                   | 4,200                          | 4,200                         | 180                        |
| 6013 Human Resources Services                       | 2,631                      | 6,000                          | 6,000                         | 6,000                          | 0                                   | 6,000                          | 6,000                         | 0                          |
| 6016 New Employee Search Costs                      | 307                        | 500                            | 500                           | 500                            | 0                                   | 500                            | 500                           | 0                          |
| 6017 Temporary Services                             | 10,842                     | 21,424                         | 21,424                        | 46,424                         | 0                                   | 46,424                         | 46,424                        | 25,000                     |
| Subtotal Wages                                      | 541,177                    | 472,976                        | 592,976                       | 519,684                        | 0                                   | 519,684                        | 519,684                       | (73,292)                   |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|  | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|--|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| 6018 Fringe Benefits                           | 489,487                    | 499,730                        | 499,730                       | 535,248                        | 0                                   | 535,248                        | 535,248                       | 35,518                     |
| 60199 Payroll Burden Allocated                 | (549,204)                  | (499,730)                      | (499,730)                     | (535,248)                      | 0                                   | (535,248)                      | (535,248)                     | (35,518)                   |
| <b>Total 6010 Salary Costs</b>                 | <b>481,459</b>             | <b>472,976</b>                 | <b>592,976</b>                | <b>519,684</b>                 | <b>0</b>                            | <b>519,684</b>                 | <b>519,684</b>                | <b>(73,292)</b>            |
| <b>6020 Office Building Expense</b>            |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6021 Office Lease                              | 69,972                     | 71,181                         | 71,181                        | 73,149                         | 0                                   | 73,149                         | 73,149                        | 1,968                      |
| 6022 Telephone                                 | 12,742                     | 15,300                         | 15,300                        | 15,120                         | 0                                   | 15,120                         | 15,120                        | (180)                      |
| 6024 Building Repairs & Janitorial             | 13,424                     | 14,740                         | 14,740                        | 14,320                         | 0                                   | 14,320                         | 14,320                        | (420)                      |
| 6026 Security Services                         | 2,175                      | 2,148                          | 2,148                         | 2,256                          | 0                                   | 2,256                          | 2,256                         | 108                        |
| 6027 Other Expense                             | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 6020 Office Building Expense</b>      | <b>98,313</b>              | <b>103,369</b>                 | <b>103,369</b>                | <b>104,845</b>                 | <b>0</b>                            | <b>104,845</b>                 | <b>104,845</b>                | <b>1,476</b>               |
| <b>6030 Office Supplies &amp; Equip.</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6031.1 Copy Paper                              | 2,782                      | 4,500                          | 4,500                         | 3,500                          | 0                                   | 3,500                          | 3,500                         | (1,000)                    |
| 6031.7 Other Office Supplies                   | 17,227                     | 21,000                         | 21,000                        | 21,000                         | 0                                   | 21,000                         | 21,000                        | 0                          |
| 6141 Meeting Expenses                          | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6141.1 Meeting Supplies                        | 36                         | 1,500                          | 1,500                         | 1,250                          | 0                                   | 1,250                          | 1,250                         | (250)                      |
| 6141.3 Admin Meetings                          | 1,150                      | 1,500                          | 1,500                         | 1,250                          | 0                                   | 1,250                          | 1,250                         | (250)                      |
| 6147 Other Admin Expenses                      | 165                        | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 6030 Office Supplies &amp; Equip.</b> | <b>21,360</b>              | <b>28,500</b>                  | <b>28,500</b>                 | <b>27,000</b>                  | <b>0</b>                            | <b>27,000</b>                  | <b>27,000</b>                 | <b>(1,500)</b>             |
| <b>6040 Postage &amp; Printing Costs</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6042 Postage - General                         | 5,868                      | 6,000                          | 6,000                         | 6,000                          | 0                                   | 6,000                          | 6,000                         | 0                          |
| 6043.1 Ricoh Lease Fee                         | 42,986                     | 37,980                         | 37,980                        | 35,968                         | 0                                   | 35,968                         | 35,968                        | (2,012)                    |
| 6043.2 Ricoh Usage & Maintenance Fee           | 7,192                      | 14,400                         | 14,400                        | 12,600                         | 0                                   | 12,600                         | 12,600                        | (1,800)                    |
| 6044 Postage Meter Lease                       | 2,233                      | 2,800                          | 2,800                         | 2,800                          | 0                                   | 2,800                          | 2,800                         | 0                          |
| 6045 Outside Printing                          | 3,010                      | 5,000                          | 5,000                         | 5,000                          | 0                                   | 5,000                          | 5,000                         | 0                          |
| <b>Total 6040 Postage &amp; Printing Costs</b> | <b>61,289</b>              | <b>66,180</b>                  | <b>66,180</b>                 | <b>62,368</b>                  | <b>0</b>                            | <b>62,368</b>                  | <b>62,368</b>                 | <b>(3,812)</b>             |
| <b>6050 Information Services</b>               |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6052 Consultants                               | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6052.1 Park Place Computer Solutions           | 45,550                     | 46,800                         | 46,800                        | 51,300                         | 0                                   | 51,300                         | 51,300                        | 4,500                      |
| 6052.2 Applied Computer Technologies           | 33,423                     | 36,000                         | 36,000                        | 36,000                         | 0                                   | 36,000                         | 36,000                        | 0                          |
| 6052.3 Website Consulting                      | 10,100                     | 10,800                         | 10,800                        | 0                              | 0                                   | 0                              | 0                             | (10,800)                   |
| 6053 Internet Services                         | 17,417                     | 18,420                         | 18,420                        | 18,996                         | 0                                   | 18,996                         | 18,996                        | 576                        |
| 6054 Computer Software                         | 16,779                     | 9,000                          | 9,000                         | 17,000                         | 0                                   | 17,000                         | 17,000                        | 8,000                      |
| 6055 Computer Hardware                         | 31,166                     | 26,000                         | 26,000                        | 18,000                         | 0                                   | 18,000                         | 18,000                        | (8,000)                    |
| 6057 Computer Maintenance                      | 977                        | 1,000                          | 1,000                         | 1,000                          | 0                                   | 1,000                          | 1,000                         | 0                          |
| <b>Total 6050 Information Services</b>         | <b>155,412</b>             | <b>148,020</b>                 | <b>148,020</b>                | <b>142,296</b>                 | <b>0</b>                            | <b>142,296</b>                 | <b>142,296</b>                | <b>(5,724)</b>             |
| <b>6060 WM Special Contract Services</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6061.3 Rauch                                   | 15,883                     | 15,000                         | 15,000                        | 15,000                         | 0                                   | 15,000                         | 15,000                        | 0                          |
| 6061.4 Other Contract Services                 | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6062 Audit Services                            | 9,075                      | 9,000                          | 9,000                         | 9,400                          | 0                                   | 9,400                          | 9,400                         | 400                        |
| 6063 Public Relations/Consultant               | 4,750                      | 10,000                         | 10,000                        | 10,000                         | 0                                   | 10,000                         | 10,000                        | 0                          |
| 6064 CEO Recruitment Contract                  | 0                          | 0                              | 32,000                        | 0                              | 0                                   | 0                              | 0                             | (32,000)                   |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|  | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|--|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| <b>Total 6060 WM Special Contract Services</b>   | 29,708                     | 34,000                         | 66,000                        | 34,400                         | 0                                   | 34,400                         | 34,400                        | (31,600)                   |
| <b>6070 Watermaster Legal Services</b>           |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6071 Legal Services - Court Coordination         | 0                          | 39,100                         | 39,100                        | 35,950                         | 0                                   | 35,950                         | 35,950                        | (3,150)                    |
| 6072 Legal Services - Restated Judgment          | 0                          | 62,400                         | 62,400                        | 57,000                         | 0                                   | 57,000                         | 57,000                        | (5,400)                    |
| 6073 Legal Services - Personnel Matters          | 0                          | 9,875                          | 9,875                         | 7,625                          | 0                                   | 7,625                          | 7,625                         | (2,250)                    |
| 6074 Legal Services - Interagency Issues         | 0                          | 34,300                         | 34,300                        | 43,920                         | 0                                   | 43,920                         | 43,920                        | 9,620                      |
| 6075 Legal Services - Replenishment Water        | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6076 Legal Services - Storage Agreements         | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6078 Legal Services - Miscellaneous              | 0                          | 56,880                         | 56,880                        | 31,150                         | 0                                   | 31,150                         | 31,150                        | (25,730)                   |
| 6079 Legal Services - Contingency                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 6070 Watermaster Legal Services</b>     | 0                          | 202,555                        | 202,555                       | 175,645                        | 0                                   | 175,645                        | 175,645                       | (26,910)                   |
| <b>6080 Insurance Expense</b>                    |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6085 Business Insurance Package                  | 15,851                     | 18,728                         | 18,728                        | 19,024                         | (0)                                 | 19,024                         | 19,024                        | 296                        |
| 6086 Position Bond Insurance                     | 256                        | 307                            | 307                           | 369                            | 0                                   | 369                            | 369                           | 61                         |
| <b>Total 6080 Insurance Expense</b>              | 16,107                     | 19,036                         | 19,036                        | 19,393                         | (0)                                 | 19,393                         | 19,393                        | 357                        |
| <b>6110 Dues and Subscriptions</b>               |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6111 Membership Dues                             | 28,852                     | 29,000                         | 29,000                        | 26,500                         | 0                                   | 26,500                         | 26,500                        | (2,500)                    |
| 6112 Subscriptions                               | 668                        | 1,000                          | 1,000                         | 1,000                          | 0                                   | 1,000                          | 1,000                         | 0                          |
| <b>Total 6110 Dues and Subscriptions</b>         | 29,520                     | 30,000                         | 30,000                        | 27,500                         | 0                                   | 27,500                         | 27,500                        | (2,500)                    |
| <b>6150 Field Supplies &amp; Equipment</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6151 Small Tools & Equipment                     | 62                         | 600                            | 600                           | 400                            | 0                                   | 400                            | 400                           | (200)                      |
| 6154 Uniforms                                    | 972                        | 1,000                          | 1,000                         | 1,000                          | 0                                   | 1,000                          | 1,000                         | 0                          |
| <b>Total 6150 Field Supplies &amp; Equipment</b> | 1,034                      | 1,600                          | 1,600                         | 1,400                          | 0                                   | 1,400                          | 1,400                         | (200)                      |
| <b>6170 Travel &amp; Transportation</b>          |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6170 Travel & Transportation                     | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6171.1 CEO Vehicle Allowance                     | 5,513                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6171.2 Watermaster Mgmt. Staff Vehicle Allowance | 14,680                     | 14,400                         | 14,400                        | 14,400                         | 0                                   | 14,400                         | 14,400                        | 0                          |
| 6173 Mileage Reimbursements                      | 183                        | 250                            | 250                           | 250                            | 0                                   | 250                            | 250                           | 0                          |
| 6174 Public Transportation                       | 170                        | 320                            | 320                           | 320                            | 0                                   | 320                            | 320                           | 0                          |
| 6175 Vehicle Fuel                                | 1,832                      | 3,000                          | 3,000                         | 2,700                          | 0                                   | 2,700                          | 2,700                         | (300)                      |
| 6177 Vehicle Repairs & Maintenance               | 3,465                      | 4,000                          | 4,000                         | 3,500                          | 0                                   | 3,500                          | 3,500                         | (500)                      |
| <b>Total 6170 Travel &amp; Transportation</b>    | 25,842                     | 21,970                         | 21,970                        | 21,170                         | 0                                   | 21,170                         | 21,170                        | (800)                      |
| <b>6190 Conferences &amp; Seminars</b>           |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6191 Conferences & Seminars                      | 13,598                     | 16,000                         | 16,000                        | 13,500                         | 0                                   | 13,500                         | 13,500                        | (2,500)                    |
| 6192 Training & Continuing Education             | 905                        | 1,500                          | 1,500                         | 1,500                          | 0                                   | 1,500                          | 1,500                         | 0                          |
| 6193.1 Strategic Planning Conference             | 7,158                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6193.2 Conference - Registration Fee             | (3,535)                    | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 6190 Conferences &amp; Seminars</b>     | 18,126                     | 17,500                         | 17,500                        | 15,000                         | 0                                   | 15,000                         | 15,000                        | (2,500)                    |
| <b>6200 Advisory Committee Expenses</b>          |                            |                                |                               |                                |                                     |                                |                               |                            |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|  | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|--|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| 6201 WM Staff Salaries                                 | 17,640                     | 21,241                         | 21,241                        | 22,105                         | 0                                   | 22,105                         | 22,105                        | 864                        |
| 6212 Meeting Expense                                   | 683                        | 2,000                          | 2,000                         | 2,000                          | 0                                   | 2,000                          | 2,000                         | 0                          |
| 6275 Legal Services - Advisory Committee Meeting       | 0                          | 30,810                         | 30,810                        | 29,280                         | 0                                   | 29,280                         | 29,280                        | (1,530)                    |
| <b>Total 6200 Advisory Committee Expenses</b>          | <b>18,322</b>              | <b>54,051</b>                  | <b>54,051</b>                 | <b>53,385</b>                  | <b>0</b>                            | <b>53,385</b>                  | <b>53,385</b>                 | <b>(666)</b>               |
| <b>6300 Watermaster Board Expenses</b>                 |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6301 WM Staff Salaries                                 | 21,894                     | 29,916                         | 29,916                        | 31,104                         | 0                                   | 31,104                         | 31,104                        | 1,188                      |
| 6311 Board Member Compensation                         | 24,375                     | 20,000                         | 20,000                        | 22,250                         | 0                                   | 22,250                         | 22,250                        | 2,250                      |
| 6312 Meeting Expense                                   | 4,034                      | 5,400                          | 5,400                         | 6,000                          | 0                                   | 6,000                          | 6,000                         | 600                        |
| 6313 Board Member Expenses                             | 107                        | 300                            | 300                           | 300                            | 0                                   | 300                            | 300                           | 0                          |
| 6342 Postage and Printing                              | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6375 Legal Services - Board Meeting                    | 0                          | 45,630                         | 45,630                        | 84,240                         | 0                                   | 84,240                         | 84,240                        | 38,610                     |
| <b>Total 6300 WM Board Expenses</b>                    | <b>50,410</b>              | <b>101,246</b>                 | <b>101,246</b>                | <b>143,894</b>                 | <b>0</b>                            | <b>143,894</b>                 | <b>143,894</b>                | <b>42,648</b>              |
| <b>6500 Education Fund Expenditures</b>                | <b>375</b>                 | <b>375</b>                     | <b>375</b>                    | <b>257</b>                     | <b>0</b>                            | <b>257</b>                     | <b>257</b>                    | <b>(118)</b>               |
| <b>8300 Appropriative Pool Administration</b>          |                            |                                |                               |                                |                                     |                                |                               |                            |
| 8301 WM Staff Salaries                                 | 22,115                     | 28,450                         | 28,450                        | 29,505                         | 0                                   | 29,505                         | 29,505                        | 1,055                      |
| 8312 Meeting Expenses                                  | 320                        | 500                            | 500                           | 500                            | 0                                   | 500                            | 500                           | 0                          |
| 8367 Appropriative Pool - Legal Services               | 29,342                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 8375 Legal Services - Approp. Pool Meeting             | 0                          | 21,330                         | 21,330                        | 29,280                         | 0                                   | 29,280                         | 29,280                        | 7,950                      |
| <b>Total 8300 Appropriative Pool Administration</b>    | <b>51,778</b>              | <b>50,280</b>                  | <b>50,280</b>                 | <b>59,285</b>                  | <b>0</b>                            | <b>59,285</b>                  | <b>59,285</b>                 | <b>9,005</b>               |
| <b>8400 Agricultural Pool Administration</b>           |                            |                                |                               |                                |                                     |                                |                               |                            |
| 8401 WM Staff  | 26,134                     | 24,935                         | 24,935                        | 25,930                         | 0                                   | 25,930                         | 25,930                        | 995                        |
| 8411 Compensation                                      | 2,250                      | 2,000                          | 2,000                         | 0                              | 0                                   | 0                              | 0                             | (2,000)                    |
| 8412 Meeting Expenses                                  | 129                        | 300                            | 300                           | 300                            | 0                                   | 300                            | 300                           | 0                          |
| 8456 IEUA Readiness To Serve                           | 4,812                      | 5,784                          | 5,784                         | 7,773                          | 0                                   | 7,773                          | 7,773                         | 1,989                      |
| 8467 Ag-Pool Legal Service                             | 116,194                    | 100,000                        | 100,000                       | 100,000                        | 0                                   | 100,000                        | 100,000                       | 0                          |
| 8467.1 Frank B & Associates                            | 10,792                     | 18,000                         | 18,000                        | 18,000                         | 0                                   | 18,000                         | 18,000                        | 0                          |
| 8467.2 Legal - Plumes/Other Issues                     | 0                          | 93,000                         | 93,000                        | 93,000                         | 0                                   | 93,000                         | 93,000                        | 0                          |
| 8470 Ag Pool Meeting Special Compensation              | 15,500                     | 12,000                         | 12,000                        | 17,300                         | 0                                   | 17,300                         | 17,300                        | 5,300                      |
| 8471 Ag Pool Special Projects                          | 10,342                     | 65,000                         | 65,000                        | 65,000                         | 0                                   | 65,000                         | 65,000                        | 0                          |
| 8475 Legal Services - Ag. Pool Meeting                 | 0                          | 30,810                         | 30,810                        | 29,280                         | 0                                   | 29,280                         | 29,280                        | (1,530)                    |
| 8485 Ag Pool - Misc. Expense - Ag Fund                 | 0                          | 0                              | 0                             | 400                            | 0                                   | 400                            | 400                           | 400                        |
| <b>Total 8400 Agricultural Pool Administration</b>     | <b>186,152</b>             | <b>351,829</b>                 | <b>351,829</b>                | <b>356,983</b>                 | <b>0</b>                            | <b>356,983</b>                 | <b>356,983</b>                | <b>5,154</b>               |
| <b>8500 Non-Agricultural Pool Administration</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 8501 WM Staff  | 14,672                     | 14,233                         | 14,233                        | 14,715                         | 0                                   | 14,715                         | 14,715                        | 482                        |
| 8512 Meeting Expense                                   | 2,216                      | 3,000                          | 3,000                         | 3,000                          | 0                                   | 3,000                          | 3,000                         | 0                          |
| 8567 Non-Ag Legal Service                              | 129,016                    | 75,000                         | 75,000                        | 0                              | 0                                   | 0                              | 0                             | (75,000)                   |
| 8575 Legal Services - Non-Ag. Pool Meeting             | 0                          | 9,480                          | 9,480                         | 29,280                         | 0                                   | 29,280                         | 29,280                        | 19,800                     |
| <b>Total 8500 Non-Agricultural Pool Administration</b> | <b>145,903</b>             | <b>101,713</b>                 | <b>101,713</b>                | <b>46,995</b>                  | <b>0</b>                            | <b>46,995</b>                  | <b>46,995</b>                 | <b>(54,718)</b>            |
| <b>9400 Depreciation Expense</b>                       | <b>20,699</b>              | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>9500 Allocated G&amp;A Expenditures</b>             | <b>(393,760)</b>           | <b>(720,599)</b>               | <b>(720,599)</b>              | <b>(732,558)</b>               | <b>0</b>                            | <b>(732,558)</b>               | <b>(732,558)</b>              | <b>(11,959)</b>            |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|  | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|--|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| <b>Total Administrative Expenses</b>                     | <b>1,018,047</b>           | <b>1,084,601</b>               | <b>1,236,601</b>              | <b>1,078,942</b>               | <b>(0)</b>                          | <b>1,078,942</b>               | <b>1,078,942</b>              | <b>(157,659)</b>           |
| <b>General OBMP Expenses</b>                             |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>6900 Optimum Basin Mgmt Program</b>                   |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6901 OBMP - Staff  | 195,184                    | 216,992                        | 216,992                       | 224,554                        | 0                                   | 224,554                        | 224,554                       | 7,562                      |
| 6902 OBMP - Temporary Staff                              | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6903 OBMP - SARW Group                                   | 25,778                     | 11,655                         | 11,655                        | 11,000                         | 0                                   | 11,000                         | 11,000                        | (655)                      |
| 6906 OBMP - Engineering                                  | 335,904                    | 256,209                        | 224,304                       | 344,541                        | 0                                   | 344,541                        | 344,541                       | 120,237                    |
| 6906.1 OBMP - Watermaster Model Update                   | 145,000                    | 204,010                        | 354,010                       | 99,828                         | 0                                   | 99,828                         | 99,828                        | (254,182)                  |
| 6907 OBMP - Legal  |                            |                                |                               |                                |                                     |                                |                               |                            |
| 6907.3 WM Legal Counsel                                  | 224,048                    | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6907.30 Peace II - CEQA                                  | 4,018                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6907.31 South Archibald Plume                            | 28,855                     | 24,625                         | 24,625                        | 31,800                         | 0                                   | 31,800                         | 31,800                        | 7,175                      |
| 6907.32 Chino Airport Plume                              | 62,126                     | 25,675                         | 25,675                        | 31,800                         | 0                                   | 31,800                         | 31,800                        | 6,125                      |
| 6907.33 Desalter/Hydraulic Control Issues                | 178,473                    | 67,425                         | 67,425                        | 50,100                         | 0                                   | 50,100                         | 50,100                        | (17,325)                   |
| 6907.34 Santa Ana River Water Rights                     | 16,562                     | 25,125                         | 25,125                        | 33,250                         | 0                                   | 33,250                         | 33,250                        | 8,125                      |
| 6907.35 Paragraph 31 Motion                              | 146,114                    | 39,200                         | 39,200                        | 17,800                         | 0                                   | 17,800                         | 17,800                        | (21,400)                   |
| 6907.36 Santa Ana River Habitat                          | 15,208                     | 0                              | 0                             | 21,150                         | 0                                   | 21,150                         | 21,150                        | 21,150                     |
| 6907.37 Storage & Recovery                               | 1,184                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6907.38 Reg. Water Quality Control Board                 | 3,591                      | 13,750                         | 13,750                        | 11,950                         | 0                                   | 11,950                         | 11,950                        | (1,800)                    |
| 6907.39 Recharge Master Plan                             | 8,419                      | 25,360                         | 25,360                        | 44,500                         | 0                                   | 44,500                         | 44,500                        | 19,140                     |
| 6907.40 Storage Agreements                               | 0                          | 0                              | 0                             | 17,800                         | 0                                   | 17,800                         | 17,800                        | 17,800                     |
| 6907.41 Prado Basin Habitat Sustainability               | 0                          | 0                              | 0                             | 17,800                         | 0                                   | 17,800                         | 17,800                        | 17,800                     |
| 6907.9 WM Legal Counsel - Unanticipated                  | 0                          | 0                              | 0                             | 25,000                         | 0                                   | 25,000                         | 25,000                        | 25,000                     |
| 6909 OBMP - Other Expense                                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6909.1 OBMP Meetings                                     | 1,688                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6909.3 OBMP Other Expenses                               | 0                          | 0                              | 0                             | 1,977                          | 0                                   | 1,977                          | 1,977                         | 1,977                      |
| 6909.4 OBMP Other Expenses - Other                       | 1,692                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6909.5 Ad Hoc Litigation Committee                       | 22                         | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 6909 OBMP - Other Expense                                | 116,200                    | 25,000                         | 25,000                        | 10,000                         | 0                                   | 10,000                         | 10,000                        | (15,000)                   |
| <b>Total 6900 Optimum Basin Mgmt Program</b>             | <b>1,510,065</b>           | <b>935,026</b>                 | <b>1,053,121</b>              | <b>994,850</b>                 | <b>0</b>                            | <b>994,850</b>                 | <b>994,850</b>                | <b>(58,271)</b>            |
| <b>Total 6950 Cooperative Efforts</b>                    | <b>10,000</b>              | <b>10,000</b>                  | <b>10,000</b>                 | <b>10,000</b>                  | <b>0</b>                            | <b>10,000</b>                  | <b>10,000</b>                 | <b>0</b>                   |
| <b>9501 Allocated G&amp;A Expenditures</b>               | <b>106,826</b>             | <b>216,375</b>                 | <b>216,375</b>                | <b>214,336</b>                 | <b>0</b>                            | <b>214,336</b>                 | <b>214,336</b>                | <b>(2,039)</b>             |
| <b>Total General OBMP Expenses</b>                       | <b>1,626,892</b>           | <b>1,161,401</b>               | <b>1,279,496</b>              | <b>1,219,186</b>               | <b>0</b>                            | <b>1,219,186</b>               | <b>1,219,186</b>              | <b>(60,310)</b>            |
| <b>7000 OBMP Implementation Projects</b>                 |                            |                                |                               |                                |                                     |                                |                               |                            |
| <i>7100 OBMP Pgm Element 1 - Comp Monitoring Program</i> |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>7101 Production Monitoring</b>                        |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7101.1 Production Monitoring - WM Staff                  | 85,325                     | 104,150                        | 104,150                       | 107,996                        | 0                                   | 107,996                        | 107,996                       | 3,846                      |
| 7101.2 Production Monitoring - Temporary Services        | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| 7101.3 Production Monitoring - Engineering Services       | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7101.4 Production Monitoring - Computer Services          | 750                        | 750                            | 750                           | 750                            | 0                                   | 750                            | 750                           | 0                          |
| 7101.5 Production Monitoring - Supplies & Repairs         | 311                        | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 7101 Production Monitoring</b>                   | <b>86,386</b>              | <b>104,900</b>                 | <b>104,900</b>                | <b>108,746</b>                 | <b>0</b>                            | <b>108,746</b>                 | <b>108,746</b>                | <b>3,846</b>               |
| <b>7102 In-Line Meter Installation/Maintenance</b>        |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7102.1 In-Line Meter - WM Staff                           | 2,639                      | 10,363                         | 10,363                        | 10,537                         | 0                                   | 10,537                         | 10,537                        | 174                        |
| 7102.5 In-Line Meter - Repair & Maintenance               | 1,355                      | 8,000                          | 8,000                         | 20,000                         | 0                                   | 20,000                         | 20,000                        | 12,000                     |
| 7102.7 In-Line Meter - In-Line Meters                     | 1,847                      | 8,000                          | 8,000                         | 25,000                         | 0                                   | 25,000                         | 25,000                        | 17,000                     |
| 7102.8 In-Line Meter - Calibration & Testing              | 14,320                     | 40,000                         | 40,000                        | 50,625                         | 0                                   | 50,625                         | 50,625                        | 10,625                     |
| <b>Total 7102 In-Line Meter Installation/Maintenance</b>  | <b>20,162</b>              | <b>66,363</b>                  | <b>66,363</b>                 | <b>106,162</b>                 | <b>0</b>                            | <b>106,162</b>                 | <b>106,162</b>                | <b>39,799</b>              |
| <b>7103 Groundwater Quality Monitoring</b>                |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7103.1 Grdwtr Quality - WM Staff                          | 64,398                     | 80,195                         | 80,195                        | 84,064                         | 0                                   | 84,064                         | 84,064                        | 3,869                      |
| 7103.3 Grdwtr Quality - Engineering Services              | 87,672                     | 80,507                         | 86,470                        | 67,056                         | 0                                   | 67,056                         | 67,056                        | (19,414)                   |
| 7103.4 Grdwtr Quality - Contract Services                 | 1,425                      | 2,125                          | 2,125                         | 4,800                          | 0                                   | 4,800                          | 4,800                         | 2,675                      |
| 7103.5 Grdwtr Quality - Laboratory Services               | 31,963                     | 36,883                         | 36,883                        | 38,568                         | 0                                   | 38,568                         | 38,568                        | 1,685                      |
| 7103.6 Grdwtr Quality - Supplies                          | 8,833                      | 3,500                          | 3,500                         | 2,500                          | 0                                   | 2,500                          | 2,500                         | (1,000)                    |
| 7103.7 Grdwtr Quality - Computer Services                 | 750                        | 750                            | 750                           | 750                            | 0                                   | 750                            | 750                           | 0                          |
| <b>Total 7103 Groundwater Quality Monitoring</b>          | <b>195,041</b>             | <b>203,960</b>                 | <b>209,923</b>                | <b>197,738</b>                 | <b>0</b>                            | <b>197,738</b>                 | <b>197,738</b>                | <b>(12,185)</b>            |
| <b>7104 Groundwater Level Monitoring</b>                  |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7104.1 Grdwtr Level - WM Staff                            | 87,722                     | 89,863                         | 89,863                        | 90,577                         | 0                                   | 90,577                         | 90,577                        | 714                        |
| 7104.3 Grdwtr Level - Engineering Services                | 154,493                    | 151,144                        | 172,518                       | 192,396                        | 0                                   | 192,396                        | 192,396                       | 19,878                     |
| 7104.4 Grdwtr Level - Contract Services (CBWM Staff)      | 0                          | 500                            | 500                           | 500                            | 0                                   | 500                            | 500                           | 0                          |
| 7104.6 Grdwtr Level - Supplies                            | 2,462                      | 1,000                          | 1,000                         | 1,500                          | 0                                   | 1,500                          | 1,500                         | 500                        |
| 7104.7 Grdwtr Level - Capital Equipment (CBWM Staff)      | 9,249                      | 10,000                         | 10,000                        | 10,000                         | 0                                   | 10,000                         | 10,000                        | 0                          |
| 7104.8 Grdwtr Level - Contract Services                   | 4,885                      | 10,000                         | 10,000                        | 10,000                         | 0                                   | 10,000                         | 10,000                        | 0                          |
| 7104.9 Grdwtr Level - Capital Equipment                   | 5,187                      | 13,925                         | 13,925                        | 13,925                         | 0                                   | 13,925                         | 13,925                        | 0                          |
| <b>Total 7104 Groundwater Level Monitoring</b>            | <b>263,997</b>             | <b>276,432</b>                 | <b>297,806</b>                | <b>318,898</b>                 | <b>0</b>                            | <b>318,898</b>                 | <b>318,898</b>                | <b>21,092</b>              |
| <b>7105 Recharge Basin Water Quality Monitoring</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7105.1 Recharge Basin Water Quality - WM Staff            | 771                        | 2,992                          | 2,992                         | 3,118                          | 0                                   | 3,118                          | 3,118                         | 126                        |
| 7105.4 Recharge Basin Water Quality - Laboratory Services | 0                          | 500                            | 500                           | 0                              | 0                                   | 0                              | 0                             | (500)                      |
| 7105.6 Recharge Basin Water Quality - Supplies            | 0                          | 100                            | 100                           | 0                              | 0                                   | 0                              | 0                             | (100)                      |
| <b>Total 7105 Recharge Basin Water Quality Monitoring</b> | <b>771</b>                 | <b>3,592</b>                   | <b>3,592</b>                  | <b>3,118</b>                   | <b>0</b>                            | <b>3,118</b>                   | <b>3,118</b>                  | <b>(474)</b>               |
| <b>7107 Ground Level Monitoring</b>                       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7107.1 Ground Level - WM Staff                            | 4,376                      | 1,566                          | 1,566                         | 1,680                          | 0                                   | 1,680                          | 1,680                         | 114                        |
| 7107.2 Ground Level - Engineering Services                | 164,129                    | 166,435                        | 166,435                       | 143,269                        | 0                                   | 143,269                        | 143,269                       | (23,166)                   |
| 7107.3 Ground Level - Synthetic Aperture Radar            | 95,000                     | 120,000                        | 120,000                       | 90,000                         | 0                                   | 90,000                         | 90,000                        | (30,000)                   |
| 7107.5 Ground Level - Laboratory Services                 | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7107.6 Ground Level - Contract Services                   | 189,407                    | 224,735                        | 224,735                       | 271,806                        | 0                                   | 271,806                        | 271,806                       | 47,071                     |
| 7107.7 Ground Level - Extensometer Installation           | 0                          | 365,945                        | 465,001                       | 0                              | 0                                   | 0                              | 0                             | (465,001)                  |
| 7107.8 Ground Level - Capital Equipment                   | 23,243                     | 25,762                         | 25,762                        | 16,046                         | 0                                   | 16,046                         | 16,046                        | (9,716)                    |
| 7107.9 Ground Level - Other                               | 0                          | 0                              | 0                             | 1,650                          | 0                                   | 1,650                          | 1,650                         | 1,650                      |

**CHINO BASIN WATERMASTER  
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|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| <b>Total 7107 Ground Level Monitoring</b>                             | 476,155                    | 904,443                        | 1,003,499                     | 524,451                        | 0                                   | 524,451                        | 524,451                       | (479,048)                  |
| <b>7108 Hydraulic Control Monitoring</b>                              |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7108.1 Hydraulic Control Monitoring - WM Staff                        | 3,211                      | 7,273                          | 7,273                         | 7,483                          | 0                                   | 7,483                          | 7,483                         | 210                        |
| 7108.2 Hydraulic Control Monitoring - Temporary Services              | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7108.3 Hydraulic Control Monitoring - Engineering Services            | 234,902                    | 279,662                        | 246,956                       | 131,518                        | 0                                   | 131,518                        | 131,518                       | (115,438)                  |
| 7108.4 Hydraulic Control Monitoring - Laboratory Services             | 157,262                    | 170,849                        | 170,849                       | 67,661                         | 0                                   | 67,661                         | 67,661                        | (103,188)                  |
| 7108.6 Hydraulic Control Monitoring - Supplies                        | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7108.7 Hydraulic Control Monitoring - Prado Basin Habitat             | 0                          | 0                              | 0                             | 200,000                        | 0                                   | 200,000                        | 200,000                       | 200,000                    |
| 7108.9 Hydraulic Control Monitoring - Contract Services               | 4,676                      | 2,000                          | 2,000                         | 4,500                          | 0                                   | 4,500                          | 4,500                         | 2,500                      |
| <b>Total 7108 Hydraulic Control Monitoring</b>                        | 400,051                    | 459,784                        | 427,078                       | 411,162                        | 0                                   | 411,162                        | 411,162                       | (15,916)                   |
| <b>7109 Recharge &amp; Well Monitoring</b>                            |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7109.3 Recharge & Well Monitoring - Engineering Services              | 9,429                      | 11,160                         | 6,696                         | 21,540                         | 0                                   | 21,540                         | 21,540                        | 14,844                     |
| 7109.4 Recharge & Well Monitoring - Laboratory Services               | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 7109 Recharge &amp; Well Monitoring</b>                      | 9,429                      | 11,160                         | 6,696                         | 21,540                         | 0                                   | 21,540                         | 21,540                        | 14,844                     |
| <b>7200 OBMP Pgm Element 2 - Comp Recharge</b>                        |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7201 Comp Recharge - WM Staff   | 111,880                    | 125,087                        | 125,087                       | 131,250                        | 0                                   | 131,250                        | 131,250                       | 6,163                      |
| 7202 Comp Recharge - Engineering Services - Other                     | 19,389                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7202.1 Comp Recharge - Temp Services                                  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7202.2 Comp Recharge - Engineering Services                           | 0                          | 10,320                         | 10,320                        | 0                              | 0                                   | 0                              | 0                             | (10,320)                   |
| 7202.3 Comp Recharge - Implementation RMPU                            | 53,422                     | 231,000                        | 122,490                       | 100,016                        | 0                                   | 100,016                        | 100,016                       | (22,474)                   |
| 7203 Comp Recharge - Contract Services                                | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7204 Comp Recharge - Supplies   | 65                         | 2,000                          | 2,000                         | 2,000                          | 0                                   | 2,000                          | 2,000                         | 0                          |
| 7205 Comp Recharge - Other Expenses                                   | 9,639                      | 5,000                          | 5,000                         | 7,500                          | 0                                   | 7,500                          | 7,500                         | 2,500                      |
| 7206 Comp Recharge - Basin Program O&M                                | 687,001                    | 722,628                        | 722,628                       | 833,953                        | 0                                   | 833,953                        | 833,953                       | 111,325                    |
| 7207 Comp Recharge - Other  | 0                          | 245,750                        | 245,750                       | 0                              | 0                                   | 0                              | 0                             | (245,750)                  |
| 7208 Hansen Aggregate Damages   | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7209 Recharge Proof of Concept  | 0                          | 0                              | 0                             | 300,000                        | 0                                   | 300,000                        | 300,000                       | 300,000                    |
| <b>Total 7200 OBMP Pgm Element 2 - Comp Recharge</b>                  | 881,396                    | 1,341,785                      | 1,233,275                     | 1,374,719                      | 0                                   | 1,374,719                      | 1,374,719                     | 141,444                    |
| <b>7300 OBMP Pgm Element 3 &amp; 5 - Water Supply Plan - Desalter</b> |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7301 OBMP - WM Staff  | 30,646                     | 37,543                         | 37,543                        | 38,651                         | 0                                   | 38,651                         | 38,651                        | 1,108                      |
| 7303 OBMP - Engineering Services                                      | 60,744                     | 47,840                         | 36,221                        | 30,344                         | 0                                   | 30,344                         | 30,344                        | (5,877)                    |
| 7304 OBMP - Contract Services   | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7305 OBMP - Supplies  | 6,882                      | 8,000                          | 8,000                         | 7,000                          | 0                                   | 7,000                          | 7,000                         | (1,000)                    |
| 7306 OBMP - Other Expense   | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 7300 OBMP Pgm Element 3 &amp; 5 - Water Supply Plan</b>      | 98,272                     | 93,383                         | 81,764                        | 75,995                         | 0                                   | 75,995                         | 75,995                        | (5,769)                    |
| <b>7400 OBMP Pgm Element 4 - Mgmt Zone Strategies</b>                 |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7401 OBMP - WM Staff  | 6,299                      | 12,235                         | 12,235                        | 12,688                         | 0                                   | 12,688                         | 12,688                        | 453                        |
| 7402 OBMP - Engineering Services                                      | 43,013                     | 45,732                         | 50,123                        | 52,062                         | 0                                   | 52,062                         | 52,062                        | 1,939                      |
| 7403 OBMP - Contract Services   | 5,000                      | 10,000                         | 10,000                        | 15,000                         | 0                                   | 15,000                         | 15,000                        | 5,000                      |
| 7404 OBMP - Supplies  | 21                         | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7405 OBMP - Other Expenses  | 2,104                      | 2,100                          | 2,100                         | 2,500                          | 0                                   | 2,500                          | 2,500                         | 400                        |

**CHINO BASIN WATERMASTER  
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|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| <b>Total 7400 OBMP Pgm Element 4 - Mgmt Zone Strategies</b>           | 56,437                     | 70,067                         | 74,458                        | 82,250                         | 0                                   | 82,250                         | 82,250                        | 7,792                      |
| <b>7500 OBMP Pgm Element 6 &amp; 7 - Coop Efforts/Salt Mgmt</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7501 OBMP - WM Staff  | 2,330                      | 2,992                          | 2,992                         | 7,523                          | 0                                   | 7,523                          | 7,523                         | 4,531                      |
| 7501.1 OBMP - WM Staff (Plume)  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 7502 OBMP - Engineering Services                                      | 98,472                     | 48,160                         | 48,160                        | 55,868                         | 0                                   | 55,868                         | 55,868                        | 7,708                      |
| 7503 OBMP - Contract Services (Plume)                                 | 0                          | 37,790                         | 37,790                        | 0                              | 0                                   | 0                              | 0                             | (37,790)                   |
| 7504 OBMP - Contract Services   | 0                          | 0                              | 0                             | 5,088                          | 0                                   | 5,088                          | 5,088                         | 5,088                      |
| 7505 OBMP - Other Expenses  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 7500 OBMP Pgm Element 6 &amp; 7 - Coop Efforts/Salt Mgmt</b> | 100,802                    | 88,942                         | 88,942                        | 68,479                         | 0                                   | 68,479                         | 68,479                        | (20,463)                   |
| <b>7600 OBMP Pgm Element 8 &amp; 9 Storage Mgmt/Conj Use</b>          |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7601 OBMP - WM Staff  | 25,767                     | 45,423                         | 45,423                        | 46,940                         | 0                                   | 46,940                         | 46,940                        | 1,517                      |
| 7602 OBMP - Engineering Services                                      | 0                          | 0                              | 0                             | 11,328                         | 0                                   | 11,328                         | 11,328                        | 11,328                     |
| 7604 OBMP - Supplies  | 114                        | 350                            | 350                           | 350                            | 0                                   | 350                            | 350                           | 0                          |
| 7605 OBMP - Other Expenses  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 7600 OBMP Pgm Element 8 &amp; 9 Storage Mgmt/Conj Use</b>    | 25,881                     | 45,773                         | 45,773                        | 58,618                         | 0                                   | 58,618                         | 58,618                        | 12,845                     |
| <b>7700 Inactive Well Protection Program</b>                          |                            |                                |                               |                                |                                     |                                |                               |                            |
| 7701 Inactive Well Protection Program - WM Staff                      | 0                          | 413                            | 413                           | 420                            | 0                                   | 420                            | 420                           | 7                          |
| 7703 Inactive Well Protection Program - Contract Services             | 75                         | 1,000                          | 1,000                         | 500                            | 0                                   | 500                            | 500                           | (500)                      |
| <b>Total 7700 Inactive Well Protection Program</b>                    | 75                         | 1,413                          | 1,413                         | 920                            | 0                                   | 920                            | 920                           | (493)                      |
| <b>7690 Recharge Improvement Debt Payment</b>                         | 366,790                    | 450,964                        | 450,964                       | 501,055                        | 0                                   | 501,055                        | 501,055                       | 50,091                     |
| <b>9502 Allocated G&amp;A Expenditures</b>                            | 286,933                    | 504,224                        | 504,224                       | 518,222                        | 0                                   | 518,222                        | 518,222                       | 13,998                     |
| <b>Total OBMP Implementation Projects</b>                             | <b>3,268,577</b>           | <b>4,627,185</b>               | <b>4,600,670</b>              | <b>4,372,073</b>               | <b>0</b>                            | <b>4,372,073</b>               | <b>4,372,073</b>              | <b>(228,597)</b>           |
| <b>Total General OBMP &amp; Implementation Projects</b>               | <b>4,895,469</b>           | <b>5,788,586</b>               | <b>5,880,166</b>              | <b>5,591,259</b>               | <b>0</b>                            | <b>5,591,259</b>               | <b>5,591,259</b>              | <b>(288,907)</b>           |
| <b>Total Expenses</b>   | <b>5,913,516</b>           | <b>6,873,187</b>               | <b>7,116,767</b>              | <b>6,670,201</b>               | <b>(0)</b>                          | <b>6,670,201</b>               | <b>6,670,201</b>              | <b>(446,566)</b>           |
| <b>Net Ordinary Income</b>  | <b>742,575</b>             | <b>(215,000)</b>               | <b>(215,000)</b>              | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>215,000</b>             |
| <b>Other Income</b>   |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>4225 Interest Income</b>   |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4225 Interest Income  | 14,714                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4226 LAIF Fair Market Value   | 13,450                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4225 Interest Income</b>                                     | <b>28,164</b>              | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Water Replenishment Assessments</b>                                |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>4210 Approp Pool-Replenishment</b>                                 |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4211 15% Gross Assessments  | 227,550                    | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4212 85% Net Assessments  | 1,289,450                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |

**CHINO BASIN WATERMASTER  
DETAIL BUDGET FY 2012-2013**

|   | FY 10-11<br>June<br>Actual | FY 11-12<br>Approved<br>Budget | FY 11-12<br>Amended<br>Budget | FY 12-13<br>Original<br>Budget | FY 12-13<br>Proposed<br>Adjustments | FY 12-13<br>Proposed<br>Budget | FY 12-13<br>Amended<br>Budget | Original<br>vs.<br>Amended |
|---|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------|----------------------------|
| 4213 100% Net Assessments                   | 904,561                    | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4214 Prior Year Adjustment                  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4215 Prior Year Carryover                   | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4216 CURO Adjustment                        | 1,172,897                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4210 Approp Pool-Replenishment</b> | <b>3,594,458</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>4220 Non-Ag Pool-Replenishment</b>       |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4223 Net Replenishment                      | 24,518                     | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4224 CURO Adjustment                        | 3,028                      | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4220 Non-Ag Pool-Replenishment</b> | <b>27,546</b>              | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>4600 Groundwater Sales</b>               |                            |                                |                               |                                |                                     |                                |                               |                            |
| 4613 Stored Water Sales                     | 2,244,496                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 4614 MWD Direct Water Sales                 | 3,750,628                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 4600 Groundwater Sales</b>         | <b>5,995,123</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Total Other Income</b>                   | <b>9,645,291</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Other Expense</b>                        |                            |                                |                               |                                |                                     |                                |                               |                            |
| <b>5010 Groundwater Recharge</b>            |                            |                                |                               |                                |                                     |                                |                               |                            |
| 5011.4 Replenishment Water                  | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 5011.6 MWD Replenishment - Direct Water     | 3,750,628                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 5011 Replenishment Water - Other            | 4,984,780                  | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| 5017 IEUA Surcharges                        | 0                          | 0                              | 0                             | 0                              | 0                                   | 0                              | 0                             | 0                          |
| <b>Total 5010 Groundwater Recharge</b>      | <b>8,735,408</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>5105 Purchase of Non-Ag Pool Water</b>   | <b>2,255,436</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Total Other Expense</b>                  | <b>10,990,844</b>          | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>9900 To / (From) Reserves</b>            | <b>(602,977)</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Net Other Income</b>                     | <b>(742,575)</b>           | <b>0</b>                       | <b>0</b>                      | <b>0</b>                       | <b>0</b>                            | <b>0</b>                       | <b>0</b>                      | <b>0</b>                   |
| <b>Net Income</b>                           | <b>\$0</b>                 | <b>(\$215,000)</b>             | <b>(\$215,000)</b>            | <b>\$0</b>                     | <b>\$0</b>                          | <b>\$0</b>                     | <b>\$0</b>                    | <b>\$215,000</b>           |

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**CHINO BASIN WATERMASTER  
ACCOUNT NUMBER JUSTIFICATION  
BUDGET FY 2012-2013**

| Budget Account Number                                | Account Description                                      | Comments and Information  |
|--|--|---|
| <b>ORDINARY INCOME/EXPENSE</b>                       |  |   |
| <b><u>4000 MUTUAL AGENCY REVENUE</u></b>             |  |   |
| 4013   | Local Agency Contr - OBMP                                | This account represents reimbursement funds from Hanson Aggregates for damage to Lower Day Basin. Annual payments of \$111,000 to start 07/01/09 and end on 07/01/11.   |
| 4030   | Basin Management Assistance                              | This account represents the one-time contribution amount of \$300,000 from Three Valleys Municipal Water District according to the Peace II Agreement, Section 9, Article 9.1.  |
| 4040   | Cooperative Agreement                                    | Per section VI.D.3 of the Groundwater Storage Program Funding Agreement No. 49960 in the Chino Basin, the MWD pays Watermaster an annual administrative fee of \$132,000 due July 1st, with a CPI escalation not to exceed 2.5% each year.  |
| <b><u>4110 APPROPRIATIVE POOL ASSESSMENTS</u></b>    |  |   |
| 4111   | Administrative Assessment                                | Appropriative Pool Assessments equal the Pool's share of all General Administrative Expenses levied to the Appropriators on a per acre-foot basis levied based on the prior year's production.  |
| 4111.2   | OBMP Assessment  | Appropriative Pool Assessments equal the Pool's share of all Optimum Management costs levied to the Appropriators on a per acre-foot basis based on the prior year's production.  |
| 4111.3   | Appropriative Pool - Special Assessment                  | Appropriative Pool Special Assessment for legal services or other expenses such as Basin Wide Objectives, Special Assessment levied to the Appropriators on a formula based upon 50% Operating Safe Yield and 50% Averaged Production and Exchanges, as approved by the Appropriative Pool.   |
| 4112   | Agricultural Pool Reallocation-Administrative Assessment | The Appropriative Pool and the Overlying Agricultural Pool agreed that the unproduced portion of Ag Pool's annual share of safe yield (82,800 acre-feet) would be immediately reallocated to the Appropriative Pool members provided the Appropriative Pool would pay the Agricultural Pool's share of Administrative and Special Project expenses. |
| 4113   | Agricultural Pool Reallocation- OBMP Assessment          | With separate assessments levied for General Administration and Optimum Basin Management Plan and Implementation Costs, the Agricultural Pool costs charged through the reallocation levy have been separated to differentiate between the revenues from the two levies.  |
| 4115   | Recharge Improvement Revenue                             | This account covers funds required to pay the budgeted debt service payment and the operating and maintenance expenses.   |
| 4117   | P/Y Adjustments  | Consists of adjustments related to prior years, if any.   |
| <b><u>4120 NON-AGRICULTURAL POOL ASSESSMENTS</u></b> |  |   |
| 4123   | Administrative Assessment                                | Non-Agricultural Pool Assessments equal the Pool's share of all General Administrative Expenses levied to the Non-Agricultural Pool based on the prior year's production.   |
| 4123.3   | Non-Agricultural Pool - Special Assessment               | Non-Agricultural Pool Assessment for legal services, Special Assessment levied to the Non-Agricultural Pool members based upon prior year's actual production.  |
| 4124   | OBMP Assessment  | Non-Agricultural Pool Assessments equal the Pool's share of all Optimum Basin Management costs levied to the Pool members based on the prior year's production.   |
| 4127   | P/Y Adjustments  | Consists of adjustments related to prior years, if any.   |
| <b><u>4730 PRORATED INTEREST INCOME</u></b>          |  |   |
| <b><u>6010 SALARY COSTS</u></b>                      |  |   |
| 6011   | WM Staff Salaries & Payroll Burden                       | Expenses related to administrative staff hours and costs not related to a particular project.   |
| 6012   | Payroll Services   | Expenses related to processing of bi-weekly payroll and preparation of quarterly and annual tax returns, including calendar year-end W-2 processing.  |
| 6013   | Human Resources Services                                 | Expenses related to processing of flexible spending medical and dependent care accounts, along with personnel consulting services.  |
| 6016   | New Employee Search Costs                                | Expenses related to hiring of new staff, (i.e. employment postings with Monster.com, CareerBuilder, local newspapers, etc.).  |
| 6017   | Temporary Services                                       | Expenses related to hiring temporary staff from an Employment Agency (i.e. special projects, maternity leaves, extended sick leaves, etc.).   |
| 6018   | Fringe Benefits  | Benefits paid to employees such as employer and employee portions of CalPERS retirement, Medicare payroll taxes, medical, dental, vision, vacation, sick leave, holidays, workers compensation insurance premiums, life insurance premiums, short and long term disability premiums, state unemployment insurance.                                  |
| 60199  | Payroll Burden Allocated                                 | Fringe benefits allocated to salary costs.  |
| <b><u>6020 OFFICE BUILDING EXPENSE</u></b>           |  |   |
| 6021   | Office Lease   | Lease for Watermaster office.   |
| 6022   | Telephone  | Telephone expense includes office telephone system, cellular phones for management and field staff along with conference call service.  |
| 6024   | Building Repairs & Janitorial                            | This account covers monthly janitorial and housekeeping service, along with repairs and maintenance requests for the office.  |

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|--|--------------------------------------|---|
| 6026   | Security Services                    | After business hours and weekend building alarm monitoring services for the office building.  |
| 6027   | Other Expense                        | Expenses to this category include office building improvements.   |
| <b><u>6030 OFFICE SUPPLIES &amp; EQUIPMENT</u></b>       |                                      |   |
| 6031.1   | Copy Paper                           | This budget item covers the cost of copy paper for the printers, copy machines, etc.  |
| 6031.7   | Other Office Supplies                | This budget item covers the cost office supplies which includes: stationary, envelopes, checks and other miscellaneous office supplies.   |
| 6141   | Meeting Expenses                     | Expenses charged to this category include administrative meeting expenses, food, refreshments, etc.   |
| 6141.1   | Meeting Supplies                     | Expenses charged to this category include administrative meeting supplies.  |
| 6141.3   | Admin Meetings                       | Expenses charged to this category include administrative meeting expenses, conference calls, etc.   |
| 6147   | Other Admin Expenses                 | This budget item covers the cost of administrative meeting expenses not included in other categories of 6141 listed above.  |
| <b><u>6040 POSTAGE &amp; PRINTING COSTS</u></b>          |                                      |   |
| 6042   | Postage                              | The postage account covers the cost of mailing or shipping all meeting notices and agendas; correspondence; Annual Reports; outgoing bills and payments, etc. Charges also include FedEx, United Parcel Service costs as well as US postage.                                    |
| 6043   | Copy Machine Lease - Other           | This account covers the cost of leasing copy machines as well as the costs for copies exceeding the minimum number per month/year as stipulated in the lease agreements.  |
| 6043.1   | Ricoh Lease Fee                      | This account covers the cost of leasing the Ricoh copy machines from Imaging Plus.  |
| 6043.2   | Ricoh Usage & Maintenance Fee        | This account covers the usage charges (per page charge) and any maintenance fees for the Ricoh copy machines from Imaging Plus.   |
| 6044   | Postage Meter Lease                  | Postage meter costs includes the annual lease fees, quarterly reset fees and postage meter ink cartridge replacements.  |
| 6045   | Outside Printing                     | Printing jobs done by outside printers and include the Annual Report, blueprints, special area street maps, color prints and emergency printing when our in-house copiers are down for repairs, etc. Also includes printing of color brochures and annual financial statements. |
| <b><u>6050 INFORMATION SERVICES</u></b>                  |                                      |   |
| 6052   | Computer Consultant Support Services | Watermaster uses IT consultants to maintain the computer network and workstations, as well as to develop and maintain databases.  |
| 6052.1   | Park Place Computer Solutions        | Watermaster's IT consultant who maintains the computer network and workstations, ensuring proper backups, and recommends system improvements.   |
| 6052.2   | Applied Computer Technologies        | Watermaster's database consultant who maintains the numerous databases.   |
| 6052.3   | Website Consulting                   | Watermaster's website consultant who maintains, updates and ensures the website www.cbwm.org is operational and maintained with current information.  |
| 6053   | Internet Services                    | Miscellaneous website maintenance costs & T-1 internet connections.   |
| 6054   | Computer Software                    | Costs include new software, software upgrades and annual software licenses.   |
| 6055   | Computer Hardware                    | Costs include new computer hardware, upgraded computer hardware, servers, printers, back up power supplies, monitors, etc.  |
| 6057   | Computer Maintenance                 | Costs include the maintenance and repair of computer hardware, servers, printers, etc.  |
| <b><u>6060 WATERMASTER SPECIAL CONTRACT SERVICES</u></b> |                                      |   |
| 6061.3   | Rauch                                | Expense category used to capture the Watermaster consultant who specializes in the Annual Report creation, development and submission.  |
| 6061.4   | Other Contract Services              | Expense category used to capture the Watermaster consultants who develop and implement strategic plans, develop brochures, and design reports.  |
| 6062   | Audit Services                       | Services provided by the audit firm to ensure compliance and field work related for the annual financial statement audit.   |
| 6063   | Public Relations Consultant          | Watermaster retains outside consultants on a per contract basis as our Public Relations Consultant, to keep us up to date regarding relevant legislative issues.  |
| 6064   | CEO Recruitment Contract             | Services provided by the recruiting firm to hire a new CEO for Watermaster.   |
| <b><u>6070 WATERMASTER LEGAL SERVICES</u></b>            |                                      |   |
| 6071   | Legal Services - Court Coordination  | Watermaster legal counsel expenses for the regular court hearings with Judge Reichert.  |
| 6072   | Legal Services - Restated Judgment   | Watermaster legal counsel expenses for the Restated Judgment.   |
| 6073   | Legal Services - Personnel Matters   | Watermaster legal expenses related to personnel issues and/or other HR matters.   |
| 6074   | Legal Services - Interagency Issues  | Watermaster legal expenses related to Interagency matters and issues.   |
| 6075   | Legal Services - Replenishment Water | Watermaster legal expenses related to the purchase of Replenishment Water.  |
| 6076   | Legal Services - Storage Agreements  | Watermaster legal expenses related to Storage Agreements.   |

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|---|---|---|
| 6078  | Legal Services - Miscellaneous            | Watermaster legal expenses related to miscellaneous items not listed in any category above.   |
| 6079  | Legal Services - Contingency              | Watermaster legal expenses related to the administration/G&A contingency.   |
| <b><u>6080 INSURANCES</u></b>                     |   |   |
| 6085  | Business Insurance Package                | All insurance policies are now included under Business Insurance Package, including auto & general liability.   |
| 6086  | Position Bond Insurance                   | Insures key positions for risk of misappropriation and/or fraud.  |
| <b><u>6110 DUES &amp; SUBSCRIPTIONS</u></b>       |   |   |
| 6111  | Membership Dues                           | Watermaster memberships include: American Water Works Assoc Research Foundation, Association of California Water Agencies, Association of Ground Water Agencies, California Groundwater Coalition, American Groundwater Trust, Southern California Water Committee, Water Education Foundation and the Groundwater Resources Association. |
| 6112  | Subscriptions                             | Watermaster subscribes to several trade journals and the local newspaper.   |
| <b><u>6150 FIELD SUPPLIES &amp; EQUIPMENT</u></b> |   |   |
| 6151  | Small Tools & Equipment                   | Small tools and equipment includes any tool which might be required while working in the field.   |
| 6154  | Uniforms                                  | T-shirts, polo shirts, hats and jackets are provided to staff with Watermaster's logo to wear while in the field and while representing Watermaster. This line item also includes work boots for the field staff.   |
| <b><u>6170 TRAVEL &amp; TRANSPORTATION</u></b>    |   |   |
| 6170  | Travel & Transportation                   | Travel and transportation costs related to Watermaster business, not related to conferences and seminars.   |
| 6171.1  | CEO Vehicle Allowance                     | Employment agreement provides the Chief Executive Officer a vehicle allowance of \$750 per month. For FY 2012/2013, the vehicle allowance is included as part of the overall CEO's salary.  |
| 6171.2  | Watermaster Mgmt. Staff Vehicle Allowance | Employment agreement provides the Watermaster management staff receive \$400 per month.   |
| 6173  | Mileage Reimbursements                    | Reimbursements paid to Watermaster employees' for use of personal vehicles for Watermaster business at the federally approved rate per mile.  |
| 6174  | Public Transportation                     | Cost of tolls and transponders for Watermaster vehicles on the toll roads (Transportation Corridor Agency and 91 Express Lanes) in Orange County.   |
| 6175  | Vehicle Fuel                              | Fuel expenses for Watermaster owned vehicles.   |
| 6177  | Vehicle Repairs & Maintenance             | Covers repairs and maintenance to Watermaster's vehicles.   |
| <b><u>6190 CONFERENCES &amp; SEMINARS</u></b>     |   |   |
| 6191  | Conferences & Seminars                    | Costs associated with staff attending conferences or seminars for information, training, or making presentations regarding the Chino Basin Watermaster activities.  |
| 6192  | Training & Continuing Education           | Attendance at training and continuing education for Watermaster staff.  |
| 6193.1  | Strategic Planning Conference             | Costs associated with the annual Strategic Planning Conference (site location fee, catering, supplies, brochures, etc.).  |
| 6193.2  | Conference - Registration Fee             | Registration fees for the Strategic Planning Conference.  |
| <b><u>6200 ADVISORY COMMITTEE EXPENSES</u></b>    |   |   |
| 6201  | WM Staff Salaries                         | Salary and burden costs of WM staff in attending and preparing for Advisory Committee meetings.   |
| 6211  | Compensation - AG Pool Members            | Compensation for AG pool members is paid through accounts 8470.   |
| 6212  | Meeting Expense                           | Advisory Committee meetings are normally scheduled to cover the lunch hour so that members are absent from their normal jobs the least amount of time possible. To accommodate the members, a luncheon and/or refreshments are served. Those related costs are reflected in this account.   |
| 6275  | Legal Services - Advisory Committee       | Brownstein legal services directly allocated to the preparation and attendance at the Advisory Committee meetings.  |
| <b><u>6300 WATERMASTER BOARD EXPENSES</u></b>     |   |   |
| 6301  | WM Staff Salaries                         | Salary and burden costs of WM staff in preparing for and attending Watermaster Board Meetings.  |
| 6311  | Board Member Compensation                 | Board Members are entitled to, but may waive, compensation for each day of service. Those who have not waived, receive \$125 per day served at various meetings including Board meetings, Committee meetings and other water agency meetings, including conference calls.   |
| 6312  | Meeting Expenses                          | Board and Committee meetings may be scheduled to cover the lunch hour so that attendees are absent from their normal jobs the least amount of time possible. If this occurs, a luncheon and/or refreshments are served. Those related costs are reflected in this account.  |
| 6313  | Board Member's Expenses                   | Board Members are entitled to receive reimbursement for expenses incurred on behalf of Watermaster business. Upon request, mileage is reimbursed to any Board Member using a personal vehicle for Watermaster business.   |

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|-----------------------|--|--|
| 6375                  | Legal Services - Board Meeting                                   | Brownstein legal services directly allocated to the preparation and attendance at the Board meetings.  |
| <u>6500</u>           | <u>EDUCATION FUND EXPENDITURES</u>                               | This account disburses funds from the educational account as directed.   |
| <u>8300</u>           | <u>APPROPRIATIVE POOL ADMINISTRATION AND SPECIAL PROJECTS</u>    |  |
| 8301                  | WM Staff Salaries  | Salary and burden costs of WM staff in attending and preparing for Pool Meetings, and any other Appropriative Pool administrative activity.  |
| 8312                  | Meeting Expenses   | This item covers meeting expenses, including the cost of refreshments.   |
| 8367                  | Legal Services   | This item covers the legal services for the Appropriative Pool legal counsel.  |
| 8375                  | Legal Services- Appropriative Pool Meeting                       | Brownstein legal services directly allocated to the preparation and attendance at the Appropriative Pool meetings.   |
| <u>8400</u>           | <u>AGRICULTURAL POOL ADMINISTRATION AND SPECIAL PROJECTS</u>     |  |
| 8401                  | WM Staff Salaries  | Salary and burden costs of WM staff in attending and preparing for Pool Meetings, along with any other Agricultural Pool administrative activity.  |
| 8411                  | Compensation - AG Pool Members                                   | Ag Pool Members are reimbursed \$125 for each Pool, Committee or Board Meeting attended. \$25 of the \$125 is coded to this category with the additional \$100 coded to account #8470.   |
| 8412                  | Meeting Expenses   | This account covers meeting expenses, including the cost of refreshments.  |
| 8456                  | IEUA Readiness To Serve  | Inland Empire Utilities Agency implemented a 'Readiness To Serve' charge against Watermaster for future provision of service to the land in the Agricultural preserve.   |
| 8467                  | Agricultural Pool Legal Services                                 | The Agricultural Pool retains its own legal council to represent them in all Watermaster matters.  |
| 8467.1                | Frank B & Associates   | The Agricultural Pool has contracted with a water management consultant to assist them in following Watermaster activities important to the Agricultural Pool.   |
| 8467.2                | Legal - Plumes/Other Issues                                      | This budget category covers the legal costs associated with the Plumes and other legal issues.   |
| 8470                  | Ag Pool Meeting Special Compensation                             | See account #8411 for details of this line item.   |
| 8471                  | Ag Pool Special Projects   | This item covers any special projects that the Agricultural Pool approves funds to be expended towards.  |
| 8475                  | Legal Services - Agricultural Pool Meeting                       | Brownstein legal services directly allocated to the preparation and attendance at the Agricultural Pool meetings.  |
| 8485                  | Ag Pool - Misc. Expense - Ag Fund                                | The Ag Pool approved an annual amount of \$400 for miscellaneous expenses by Ag Pool members to be deducted from the Ag Pool Fund.   |
| <u>8500</u>           | <u>NON-AGRICULTURAL POOL ADMINISTRATION AND SPECIAL PROJECTS</u> |  |
| 8501                  | WM Staff Salaries  | Salary and burden costs of WM staff in attending and preparing for Pool Meetings, along with any other Non-Agricultural Pool administrative activity.  |
| 8512                  | Meeting Expense  | This item covers meeting expenses, including the cost of refreshments.   |
| 8567                  | Non-Ag Legal Service   | The Non-Agricultural Pool retains its own legal council to represent them in all Watermaster matters.  |
| 8575                  | Legal Services - Non-Agricultural Pool                           | Brownstein legal services directly allocated to the preparation and attendance at the Non-Agricultural Pool meetings.  |
| <u>9500</u>           | <u>ALLOCATED G&amp;A EXPENDITURES</u>                            | Administrative overhead that is allocated to OBMP and Project jobs as a percentage of total Watermaster salaries.  |
| <u>6900</u>           | <u>OPTIMUM BASIN MANAGEMENT PROGRAM</u>                          |  |
| 6900                  | OPTIMUM BASIN MANAGEMENT PROGRAM - GENERAL ENGINEERING           | This work includes general engineering services requested by Watermaster to support implementation of the OBMP. The current budget request includes general, non-project specific as well as ad hoc requests for services and data requests promoting the ongoing efforts to implement the OBMP. Items include all aspects of preparing reports as required by the OBMP including the State of the Basin Report and the conditions subsequent pursuant to Judge Gunn's December 21, 2007 court order approving Peace II. |
| 6901                  | OBMP - WM Staff  | Salary and burden costs of WM staff in performance of OBMP activities and projects.  |
| 6903                  | OBMP - SAWPA Group   | Basin Monitoring Plan TaskForce with SAWPA   |
| 6906                  | OBMP - Engineering   | Costs associated with the OBMP project by Wildermuth Environmental, Inc.   |
| 6906.1                | OBMP - Watermaster Model Update                                  | Costs associated with updating the OBMP model by Wildermuth Environmental, Inc.  |
| 6907.3                | WM Legal Counsel   | Watermaster legal counsel expenses for the three Pools, the Advisory Committee and the Board meetings, projects, activities, etc.  |
| 6907.30               | Peace II - CEQA  | Watermaster legal expenses related to the Peace II - CEQA.   |
| 6907.31               | S. Archibald Plume - Formerly OIA                                | Watermaster legal expenses related to the S. Archibald Plume, formerly known as the Ontario Airport Plume.   |
| 6907.32               | Chino Airport Plume  | Watermaster legal expenses related to the Chino Airport Plume.   |
| 6907.33               | Desalter/Hydraulic Control Issues                                | Watermaster legal expenses related to the Desalter/Hydraulic Control Issues and Court proceedings.   |
| 6907.34               | Santa Ana River Water Rights                                     | Watermaster legal expenses related to the Santa Ana River Water Rights.  |

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|-----------------------|---|--|
| 6907.35               | Paragraph 31 Motion   | Watermaster legal expenses related to the Paragraph 31 Motion and Appeal.  |
| 6907.36               | Santa Ana River Habitat   | Watermaster legal expenses related to the Santa Ana River Habitat.   |
| 6907.37               | Storage and Recovery  | Watermaster legal expenses related to Storage & Recovery issues.   |
| 6907.38               | Regional Water Quality Control Board                            | Watermaster legal expenses related to the Regional Water Quality Control Board   |
| 6907.39               | Recharge Master Plan  | Watermaster legal expenses related to the Recharge Master Plan.  |
| 6907.4                | Storage Agreements  | Watermaster legal expenses related to Storage Agreements and related issues.   |
| 6907.41               | Prado Basin Habitat Sustainability                              | Watermaster legal expenses related to the Prado Basin Habitat Sustainability and other related issues.   |
| 6907.9                | WM Legal Counsel - Contingency                                  | Watermaster legal expense contingency. Can only be allocated to the current fiscal year budget by submitting a budget transfer request through the three Pools, the Advisory Committee and the Board for approval.   |
| 6909                  | OBMP - Other Expenses   | Expense category to capture other expenses related to the OBMP project (i.e. Regional Board fine and additional costs related to the water softener exchange program through IEUA).  |
| <u>6950</u>           | <u>COOPERATIVE EFFORTS</u>                                      | On an ad hoc basis, Watermaster and other agencies agree to share the costs of various projects that will benefit both parties.  |
| <u>9501</u>           | <u>ALLOCATED G&amp;A EXPENDITURES</u>                           | Administrative overhead that is allocated to OBMP and Project jobs as a percentage of total Watermaster salaries.  |
| <u>7000</u>           | <u>OPTIMUM BASIN MANAGEMENT PROGRAM IMPLEMENTATION PROJECTS</u> |  |
| 7101.1                | PRODUCTION MONITORING   | Watermaster staff collects and processes production information for the approximately 580 wells within the Basin, including approximately 200 Appropriator wells, 16 Non-Ag wells, and approximately 370 private wells. Watermaster staff read the meters for the private wells while the Appropriators and Non-Ag parties report their meter readings to Watermaster. The data is inputted into a production database that is updated quarterly, and is used at the end of the fiscal year to provide essential data for the Assessment Package.  |
| 7101.2                |   |  |
| 7101.3                |   |  |
| <del>7101.4</del>     | Production Monitoring - Computer Services                       | Computer services are for the subscription for parcel lot information (split 50/50 with account 7103 - Groundwater Quality Monitoring).  |
| <del>7102.1</del>     | IN-LINE METER INSTALLATION                                      | Approximately 270 in-line flow meters are now installed on the previously unmetered private wells. Approximately half of all Ag and Non-Ag meters must be calibrated each year and other maintenance and repairs are required. Each calibration is expected to cost \$200. Approximately 50 broken meters are expected to be replaced this fiscal year, as these wells are expected to remain for at least another 12 months.  |
| <del>7102.5</del>     |   |  |
| 7102.7                |   |  |
| 7102.8                |   |  |
| 7103.1                | GROUNDWATER QUALITY MONITORING                                  | Pursuant to the OBMP & Peace Agreement, Program Element 1 includes the development and implementation of a comprehensive groundwater quality monitoring program. Previously, Watermaster annually collected water quality data from approximately 200 private wells and obtained other water quality data from other cooperators so that approximately one-third of the active wells were sampled every third year. Other cooperators include members of the appropriate and overlying non-agricultural pools, the Regional Water Quality Control Board, the Department of Toxic Substances Control, the United States Geological Survey, the Orange County Water District and others. The key well monitoring program has now been implemented. Approximately 125 wells are included within the water quality key well program, with approximately 60 wells being sampled and analyzed each year. This monitoring activity is a requirement for the Chino Basin to receive TDS and Nitrogen objectives based on maximum beneficial use. The ad hoc Water Quality Committee oversees the surface water and groundwater quality programs to ensure that necessary data are collected to effectively manage the Basin. |
| 7103.3                |   |  |
| 7103.5                |   |  |
| 7103.4                | Groundwater Quality Monitoring - Contract Services              | Contract services for this category include pumping of monitoring wells, the installation of access spigots on wells as necessary, and highway signs.  |
| 7103.6                | Groundwater Quality Monitoring - Supplies                       | Required supplies for this line item include sampling equipment such as piping and valving, and well as the rental of equipment for monitoring well testing.   |
| 7103.7                | Groundwater Quality Monitoring - Computer Services              | Computer services are for the subscription for parcel lot information (split 50/50 with account 7101 - Production Monitoring).   |
| 7104.1                | GROUNDWATER LEVEL MONITORING PROJECT                            | Pursuant to the OBMP and Peace Agreement, Program Element 1 includes the development and implementation of a comprehensive groundwater-level monitoring program. The key well monitoring program has now been implemented. For the key well program, about 75 wells are measured monthly, about 70 wells are measured by transducers, about 210 wells are measured by municipal well owners (which are collected by Watermaster staff), and about 100 wells are measured by cooperators. Cooperators include members of the appropriate and overlying non-ag pools, RWQCB, DTSC, USGS, OCWD, and others. All data is checked for reasonableness with regard to historical data at the well, converted from depth-to-water to groundwater-level elevation, and compiled into a centralized database. The majority of this effort is concentrated in the southern half of the basin to support Desalter/HCMP monitoring programs. This data is analyzed in time series charts and maps annually to support the annual HCMP report and the semi-annual State of the Basin Report.   |
| 7104.3                |   |  |
| 7104.6                | Groundwater Level Monitoring - Supplies                         | Required supplies for this category include sounder replacement lines, rubber gloves, distilled water, and fittings for installing transducers.  |

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|--|--|---|
| 7104.7   | Groundwater Level Monitoring - Capital Equipment           | Capital equipment for this category include transducers and transducer download cables purchased by Watermaster staff.  |
| 7104.4<br>7104.8   | Groundwater Level Monitoring - Contract Services           | Contract services for this category include the construction of aluminum covers for transducers (not otherwise enclosed in structures) and ground-level surveys of well reference points.   |
| 7104.9   | Groundwater Level Monitoring - Capital Equipment           | Capital equipment purchased by the Wildermuth Environmental, Inc. staff.  |
| 7105.1<br>7105.4   | BASIN WATER QUALITY MONITORING                             | Pursuant to the OBMP & Peace Agreement, Program Element 1 also includes the surface water quality monitoring program. Work in this line item previously included measuring water quality at recharge and flood retention basins within the Chino Basin. This was typically done during the rainy season only; approximately 3-4 samplings per basin per year. Enough data has now been collected and catalogued for this activity and only minor amounts of money are now budgeted for use on an as-needed basis.   |
| 7105.6   | Basin Water Quality Monitoring - Supplies                  | Required supplies for this line item include rubber gloves, sample bags, tools, and field lab equipment.  |
| 7107.1<br>7107.2<br>7107.3<br>7107.5<br>7107.6                     | GROUND LEVEL MONITORING                                    | Pursuant to the OBMP and Peace Agreement, Program Element 1 also includes the development and implementation of a ground-level monitoring and testing program. Watermaster is interested in determining how much, if any, subsidence has occurred in the Basin and in monitoring the effectiveness of the OBMP in minimizing it. Data is collected from a network of ground elevation stations (surveys), from a multi-piezometer and from a dual borehole extensometer in the subsidence-prone area (mainly Management Zone 1). Satellite imagery (InSAR) will also be collected and analyzed for subsidence. Watermaster is implementing these efforts as part of the MZ1 Subsidence Management Plan.   |
| 7107.8   | Ground Level Monitoring - Capital Equipment                | Capital equipment purchased by the Wildermuth Environmental, Inc. staff.  |
| 7107.9   | Ground Level Monitoring - Supplies                         | Miscellaneous supplies for this line item.  |
| 7108.1<br>7108.2<br>7108.3<br>7108.4<br>7108.6                     | HYDRAULIC CONTROL MONITORING PROGRAM                       | As part of the Basin Plan, a monitoring plan to evaluate the state of hydraulic control in the southern end of the basin has been developed. Hydraulic control will be used to maximize the safe yield of the basin. Watermaster, OCWD and the Regional Board have developed a monitoring plan to assess the state of hydraulic control to provide information to Watermaster to manage future production and recharge. Samples are collected from stations along the SAR every-other-week for water quality analyses. Stream flow measurements are also collected from stations along the SAR. Four near river wells are monitored monthly and 21 HCMP SAR wells are monitored annually. Water discharge and quality data area collected from all POTWS and other non-tributary dischargers between the Riverside Narrows and below Prado dam. This monitoring activity is a requirement for the Chino Basin to receive TDS and Nitrogen objectives based on maximum beneficial use. |
| 7108.7   | PRADO BASIN HABITAT  | Wildermuth Environmental and other outside engineering costs for the Prado Basin Habitat project, split three ways between Watermaster, IEUA and OCWD.  |
| 7108.9   | HYDRAULIC CONTROL MONITORING                               | A 2012 aerial photograph of the Chino Basin will also be purchased.   |
| 7109.3<br>7109.4   | RECHARGE AND WELL MONITORING PROGRAM                       | Engineering services to review quarterly and annual reports for Chino Basin Recycled Water Groundwater Recharge Program.  |
| 7201<br>7202<br>7202.1<br>7202.2<br>7202.3<br>7203<br>7204<br>7205 | OBMP PROGRAM ELEMENT 2 -- COMPREHENSIVE RECHARGE PROGRAM   | This budget category includes the start of the Recharge Master Plan implementation, GRCC participation and recharge basin O&M (a shared cost with IEUA).  |
| 7206   | OBMP Program Element 2 - Basin Program                     | Basin O&M charges direct from IEUA.   |
| 7207   | OBMP Program Element 2 - Recharge - Other                  | San Sevaime channel repair - cost sharing agreement with San Bernardino County Flood Control District and Inland Empire Utilities Agency completed in FY 2011/2012.   |
| 7209   | Recharge Proof Of Concept                                  | Recharge Proof Of Concept.  |
| 7301<br>7303<br>7304<br>7305<br>7306                               | OBMP PROGRAM ELEMENTS 3 & 5 - WATER SUPPLY PLAN - DESALTER | The expenses in this budget line item includes engineering services for the technical review of non-Watermaster consultant work products for consistency with OBMP, Basin Plan and other Watermaster interests. Work in this category also includes the design support for the proposed Chino Creek Desalter well field.  |

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|-----------------------|---|---|
| 7401                  | OBMP PROGRAM ELEMENT 4 -  | Pursuant to the OBMP and Peace Agreement, Watermaster has developed a long-term management plan for MZ1. Watermaster and the Court approved the MZ1 Subsidence Management Plan in 2007. Watermaster began implementing the MZ1 Subsidence Management Plan in FY 2008-2009 and continued in years thereafter, adapting the plan as new data and understanding dictates. Data collected and analyzed will be presented and discussed at the Subsidence Technical Group meetings.  |
| 7402                  | MANAGEMENT ZONE MANAGEMENT  |   |
| 7403                  | STRATEGIES  |   |
| 7404                  |   |   |
| 7405                  |   |   |
| 7501                  | OBMP PROGRAM ELEMENTS 6 & 7 -                                     | Pursuant to the OBMP and Peace Agreement, Watermaster will complete specific activities to improve water quality monitoring and analyze the effectiveness of the OBMP to accomplish its goals. The work in this line item includes coordinating the Water Quality committee activities, coordinating with RWQCB and DTSC on several groundwater plumes - including VOC plumes potentially emanating from the South Archibald Plume (formerly OIA) and the Chino Airport, and the Stringfellow perchlorate plume, which has now reached the Santa Ana River, the Basin Monitoring Task Force pursuant to Watermaster's Maximum Benefit obligation, and participating in the TMDL process for Santa Ana River, Chino and Mill Creeks. |
| 7502                  | COOPERATIVE EFFORTS AND SALT                                      |   |
| 7503                  | MANAGEMENT  |   |
| 7505                  |   |   |
| 7503                  |   |   |
| 7601                  | OBMP PROGRAM ELEMENTS 8 & 9 -                                     | This budget category includes laboratory costs for split-sample analyses with ABGL of the South Archibald Plume.  |
| 7602                  | STORAGE MANAGEMENT AND  |   |
| 7604                  | CONJUNCTIVE USE PROGRAMS  |   |
| 7701                  | INACTIVE WELL PROTECTION PROGRAM                                  | Pursuant to the OBMP and Peace Agreement, Watermaster is responsible for inactive wells that have not been properly abandoned. Watermaster equips inactive wells with devices that meet the requirement of well abandonment to protect the integrity of the groundwater. These devices also allow for access to the well for monitoring purposes, if necessary. This fiscal year, approximately two or three inactive wells will need to be equipped with such devices.   |
| 7703                  |   |   |
| 7690                  | RECHARGE IMPROVEMENT DEBT PAYMENT                                 | Repayment of debt as agreed to in contract with Inland Empire Utilities Agency for improvement of recharge basins within the Chino Basin. This expense is to be paid by the Appropriators.  |
| 9502                  | <u>ALLOCATED G&amp;A EXPENDITURES</u>                             | Administrative overhead that is allocated to OBMP and Project jobs as a percentage of total Watermaster salaries.   |
| 5                     | <u>SUPPLEMENTAL &amp; REPLENISHMENT WATER INCOME AND EXPENSES</u> | Water rights were assigned in the Judgment entered in 1978. It established the terms and conditions regarding replenishment water and how the assessments would be levied to cover the water for each pool. No amounts are budgeted in this category as Watermaster is unable to determine what the overproduction will be at year, if any. Replenishment water is a "pass-thru" expense meaning all amounts overproduced by an agency are billed to them at the rate Watermaster pays for the cost of the water, plus fees.  |
| 4210                  | App Pool Replenishment Assessments                                | Certain Appropriators under the Judgment have 15% of the cost of replenishment water required by their group and 85% of the cost is paid by the appropriator overproducing water in the prior year. Other Appropriators have the obligation to pay 100% of the costs of replacing any overproduced water.   |
| 4211                  | 15% Gross Assessments   | Costs levied against the 15%/85% group for replacing water.   |
| 4212                  | 85% Gross Assessments   | Costs levied against the 15%/85% group for replacing water.   |
| 4213                  | 100% Net Assessments  | Costs levied against those subject to 100% assessments for replacing water.   |
| 4216                  | CURO Adjustment   | Cumulative Unmet Replenishment Obligation (CURO)  |
| 4220                  | Non-Ag Pool Replenishment   | Non-Ag members (primarily industrial producers) are required to replace any water produced which exceeds their assigned water rights.   |
| 4613                  | Stored Water Sales  | Sale of stored Non-Ag water to the Appropriators.   |
| 4614                  | MWD Direct Water Sales  | Purchase of water directly from MWD.  |
| 5010                  | Groundwater Recharge  | Costs of Replenishment or Supplemental Water.   |
| 5011                  | Replenishment Water - Other                                       | Costs of Replenishment or Supplemental Water.   |
| 5011.6                | Replenishment Water   | This budget line covers the costs of purchasing replenishment water from MWD.   |
| 5017                  | IEUA Surcharges   | Inland Empire Utilities Agencies charges a fee for water delivered.   |

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# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### B. WATERMASTER RECHARGE MASTER PLAN UPDATE FILING





# CHINO BASIN WATERMASTER

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## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** Recharge Master Plan Update

### SUMMARY

**Issue** – Consider Approval of Final Draft of Sections 1-4 of the 2012 Recharge Master Plan Update and Status Report to the Court

**Recommendation** - Approve Recommendation to the Advisory Committee and Watermaster Board that They: 1. Approve the Final Draft of Sections 1-4 of the 2012 Chino Basin Recharge Master Plan Update; 2. Authorize Filing the Recharge Master Plan Status Report With the Court; 3. Direct Staff to Continue Working the Stakeholders and Recharge Master Plan Update Steering Committee on Completing the Remaining Sections of the Update;

**Financial Impact** – None at This Time. Update Preparation Costs are Included in the Current and Proposed Budgets.

### Background

In its October 2010 Court order, the Court accepted the 2010 RMPU as satisfying Condition Subsequent Number 8 to The Peace II Agreement and ordered that certain recommendations of the 2010 RMPU be implemented. Specifically, the Court ordered:

(3) Watermaster is hereby ordered to convene the committee described in item 3 of section 7.1 of the updated RMP to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield.

(4) Watermaster is hereby ordered to conduct further analyses as described in section 7.2 of the updated RMP of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan.

(5) By December 17, 2011, six months following completion of the parties UWMPs, Watermaster will report to the Court on any changes to the 2010 RMP necessitated by information received through the UWMPs. In this report Watermaster will also report on progress made under items (3) and (4) above, and will report on the status of IEUA's approval of the RMP.

Item 3 of Section 7.1 of the 2010 RMPU reads as follows:

3. In implementing the above, Watermaster should form a committee—consisting of itself, the land use control entities, the County Flood Control Districts, the CBWCD, the IEUA, and others—to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield. This committee should be formed immediately, and the monitoring, reporting, and accounting practices should be developed as soon as possible.

The operable section of Section 7.2 of the 2010 RMPU reads as follows:

Watermaster should conduct further analyses of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan. This planning work should begin as soon as practical and could be accomplished within three years. The schedule to implement the Phase I through III projects would be developed during the proposed planning work, and the construction of these projects could be completed within five years of completing the proposed planning work.

Interpreted literally, the Court currently expects that the Planning for the Phase I through III projects to be done by October 2013 and that construction be completed by October 2018. This does not mean that all the projects contained within the 2010 RMPU will be constructed by October 2018. Watermaster needs to determine which of the recharge projects identified in the 2010 RMPU, and perhaps other recharge projects, need to be implemented based on current projected needs and have the planning for these projects done at an appropriate level that they may be constructed by October 2018.

In November 2011, Watermaster reported its progress pursuant to the October 2010 Court Order; after which, in 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 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.”

Watermaster staff convened a Recharge Master Plan Update Steering Committee (Steering Committee) last fall. The Steering Committee was reformed in January 2012 to include all stakeholders and has met twice per month since February. The Steering Committee developed and approved a scope of work and report outline and commenced with the execution of the work. The scope of work is responsive to the October 2010 and December 2011 Court Orders and the December 2011 Board direction. The Steering Committee’s report will include nine sections with technical appendices.

The Steering Committee’s report is organized around a set of questions that were developed to respond to the Court, the Watermaster Board, and the Parties. The table below lists these questions, the order in which they are answered, and the sections in which the answers are provided.

| Section                      | Questions Addressed  |
|------------------------------|--|
| Section 1 Introduction       | <ol style="list-style-type: none"> <li>1. What were the requirements of the 2010 Recharge Master Plan Update?</li> <li>2. What implementation actions did the Court order?</li> <li>3. What implementation actions did the Watermaster Board direct?</li> </ol>  |
| Section 2 Changed Conditions | <ol style="list-style-type: none"> <li>4. What are the regulatory and institutional issues that have occurred since the 2010 RMPU was prepared?</li> <li>5. How have groundwater levels changed since the OBMP was approved in 2000?</li> <li>6. How have groundwater and replenishment projections changed since the 2010 RMPU was</li> </ol> |

| Section   | Questions Addressed  |
|---|--|
|   | <p>prepared?</p> <ol style="list-style-type: none"> <li>7. How much water has been stored by the Parties and what is the potential for additional storage in the future?</li> <li>8. What are the replenishment sources available to the Watermaster and what are their reliability and cost?</li> </ol>   |
| Section 3 Impacts of Revised Groundwater Production and Replenishment Projections | <ol style="list-style-type: none"> <li>1. How are groundwater levels projected to decline with the revised projections?</li> <li>2. What areas in the basin are facing sustainability challenges?</li> </ol>   |
| Section 4 Inventory of Existing Recharge Facilities and Their Capabilities        | <ol style="list-style-type: none"> <li>1. What are the existing recharge facilities and what is their ability to recharge storm and supplemental waters?</li> <li>2. What physically/institutionally limits the ability to recharge storm water at existing facilities and what improvements could be made to these facilities to capture more stormwater?</li> <li>3. What physically/institutionally limits the supplemental water recharge capacity of the existing recharge facilities?</li> <li>4. What are the implications of the most recent draft recycled water recharge regulations for the Chino Basin?</li> <li>5. What is the recharge capacity of existing ASR facilities in the Chino Basin?</li> <li>6. What is the projected in-lieu recharge capacity in the Basin and what limits it?</li> </ol>                       |
| Section 5 Recharge Resulting from MS4 Permits                                     | <ol style="list-style-type: none"> <li>1. Who owns the new yield created by the implementation of new recharge projects constructed to comply with MS4 permits?</li> <li>2. What policies and accounting procedures need to be developed to account for the new yield created by MS4 compliance?</li> </ol>  |
| Section 6 Recharge Options to Improve Yield and Assure Sustainability             | <ol style="list-style-type: none"> <li>1. What areas in the basin are likely to have future sustainability issues that can be addressed by increasing physical recharge?</li> <li>2. What operational changes should be implemented to increase the recharge of storm and supplemental waters at existing basins to increase yield or to assure production sustainability? What are the costs and impediments to implementations?</li> <li>3. What new recharge facilities should be constructed to increase yield or to assure production sustainability? What are the costs and impediments to implementation?</li> <li>4. What changes in production patterns (location and magnitude) could be implemented to increase yield or to assure production sustainability? What are the costs and impediments to implementations?</li> </ol> |
| Section 7 Evaluation Criteria   | <ol style="list-style-type: none"> <li>1. What criteria should be used to evaluate the recharge options identified in Section 6?</li> <li>2. What are the criteria for ranking the options?</li> </ol>   |
| Section 8 Recommended Recharge Master Plan Update Options                         | <ol style="list-style-type: none"> <li>1. Applying the criteria and ranking scheme from Section 7, what operational and facilities improvements should be implemented to increase</li> </ol>   |

| Section   | Questions Addressed                      |
|---|--|
|   | yield and assure sustainable production? |
| Section 9 Recommended Schedule and Financing Plan |  |

Attached hereto is the Final Draft of the first four sections of this report. These sections fulfill the requirements for the June Status Report filing with the Court. The contents of these draft sections were developed and vetted by the Steering Committee and are recommended for approval by the Pools, Advisory Committee and Board.

Appendices A and B to the Final Draft are the Tables and Figures for sections 1-4. The files are very large and therefore are not included herein but can be downloaded from the Watermaster's ftp site. These appendices have also been fully reviewed by the Steering Committee.

Also attached hereto is Appendix C, Response to Comments, which are the comments received to the earlier Administrative Draft and responses thereto which are included in the final draft as noted.

Finally, attached hereto is the Recharge Master Plan Status Report which will be filed with the Court. At this time, because of the full review process of the Steering Committee, staff does not anticipate any objections to this Status Report and requests that the Court's receipt of the Report not require a hearing. However, if any party should file an objection, Counsel and staff will present the Report and respond to any questions the Court may have. The Status Report has also been reviewed by the Steering Committee.

**Actions:**

May 10, 2012 Appropriative Pool – Approved unanimously Draft Sections 1-4 and to remove ambitions goal and make it constant with the Board motion from the December 15, 2011 meeting on the pleading

May 10, 2012 Non-Agricultural Pool – Approved unanimously with the language change from the Appropriative Pool, and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they determine to be appropriate

May 10, 2012 Agricultural Pool – Approved unanimously Draft Sections 1-4 and file the revised pleading with the court

May 17, 2012 Advisory Committee – Approved unanimously

May 24, 2012 Watermaster Board –

**Chino Basin Recharge Master Plan Update  
Steering Committee Report  
Sections 1 through 4**

**Chino Basin Watermaster  
Inland Empire Utilities Agency**

**May 3, 2012**



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## Acronyms, Abbreviations, and Initialisms

acre-ft/yr    acre-feet per year



## Section 1 – Introduction

---

This report documents the investigation that was conducted pursuant to the direction of the Court and the Chino Basin Watermaster (Watermaster) to revise its 2010 Recharge Master Plan Update (RMPU). The 2010 RMPU was prepared consistent with the requirements of the Peace II Agreement and the December 2007 Court Order<sup>1</sup> that approved and directed Watermaster to implement the Peace II Agreement. The 2010 RMPU was a condition subsequent to the December 2007 Court order that mandated completion of the 2010 RMPU and submittal to the Court by July 1, 2010. The 2010 RMPU was completed on time and submitted to the Court in June 2010.

### 1.1 Scope and Content of the 2010 RMPU

The minimum scope and content of the 2010 RMPU work was contained in the December 2007 Court Order and included the following:

#### 1.1.1 Peace Agreement

Section 5.1 (e) of the Peace Agreement contains Watermaster's commitments regarding the recharge of supplemental water in the Chino Basin. The 2010 RMPU focused on Watermaster's implementation of Peace Agreement Section 5.1 (e) items (i), (iii), (v), (vii), and (viii), which are stated as follows (see Peace Agreement, pages 20 and 21):

Watermaster shall exercise Best Efforts to:

- (i) protect and enhance the safe yield of the Chino Basin through Replenishment and Recharge; [...]
- (iii) direct Recharge relative to Production in each area and sub-area of the Basin to achieve long term balance and to promote the goal of equal access to groundwater in all areas and sub-areas of the Chino Basin; [...]
- (v) establish and periodically update criteria for the use of water from different sources for Replenishment purposes; [...]
- (vii) recharge the Chino Basin with water in any area where groundwater levels have declined to such an extent that there is an imminent threat of Material Physical Injury to any party to the Judgment;
- (viii) maintain long-term hydrologic balance between total Recharge and discharge in all areas and sub-areas; [...].

The OBMP Implementation Plan (Exhibit B of the Peace Agreement) contains language identical to that in Peace Agreement Section 5.1 (e), but it is mostly silent as to the schedule for implementing the specific commitments listed above (see OBMP Exhibit B, paragraph 11 on page 20 and the implementation schedule on pages 22 and 23). Paragraph 9 of page 20 of the Implementation Plan includes additional recharge guidelines that Watermaster must consider:

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<sup>1</sup> The Court orders discussed in this section are available on Watermaster's ftp site.

9. When locating and directing physical recharge, Watermaster shall consider the following guidelines:

- (i) provide long-term hydrologic balance within the areas and sub-areas of the basin
- (ii) protect and enhance water quality
- (iii) improve water levels
- (iv) the cost of recharge water
- (v) any other relevant factors

Section 7 of the Rules and Regulations repeats the commitments of Section 5.1 (e) of the Peace Agreement and adds (see Rules and Regulations, page 37, 7.1 [b] [iv]):

- (b) Watermaster shall exercise Best Efforts to: [...]
- (iv) Make its initial report on the then existing state of Hydrologic Balance by July 1, 2003, including any recommendations on Recharge actions which may be necessary under the OBMP. Thereafter, Watermaster shall make written reports on the long term Balance in the Chino Basin every two years; [...].

### **1.1.2 Peace II Agreement**

The Peace II Agreement states that Watermaster will update the Recharge Master Plan and obtain Court approval of that update to address how the Chino Basin will be managed to secure and maintain hydraulic control and operated at a new equilibrium at the conclusion of the period of reoperation. This plan must reflect an appropriate schedule for planning, design, and physical improvements—as required—to provide reasonable assurance that, following the full beneficial use of groundwater withdrawn in accordance with basin reoperation and authorized controlled overdraft, sufficient replenishment capability exists to meet the reasonable projections of the Desalter replenishment obligations. With the concurrence of the IEUA and Watermaster, the Recharge Master Plan is to be updated and amended as frequently as necessary with Court approval and no less than every five (5) years.

Peace II Article 8.4 summarizes recharge in Management Zone 1 (MZ1)—specifically the 6,500 acre-ft/yr supplemental recharge to MZ1. Moreover, the Parties make the following acknowledgments regarding the 6,500 acre-ft/yr 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 subarea 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-ft/yr 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-ft 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-ft 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-ft 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 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-ft/yr. In no circumstance will the commitment to recharge 6,500 acre-ft be reduced for the duration of the Peace Agreement.

### **1.1.3 Special Referee’s December 2007 Report, Sections VI (Assurances Regarding Recharge), VII (Declining Safe Yield), and VIII (New Equilibrium)**

In the Final Report and Recommendations on Motion for Approval of Peace II Documents, the Special Referee stated that “A key element of the proposed Peace II Measures is that Watermaster must develop recharge capability throughout the Basin Reoperation period, to ensure that sufficient recharge capability exists at the end of the period” (Final Report, page 25, [Schneider, 2007]). The Special Referee recommended and the Court ultimately ordered that several elements be included within the updated Plan (Motion to Approve Watermaster’s Filing in Satisfaction of Condition Subsequent 5; Watermaster Compliance with Condition Subsequent 6, August 21, 2008):

1. Baseline conditions must be clearly defined and supported by technical analysis. The baseline definition should encompass factors such as pumping, demand, recharge capacity, total Basin water demand, and availability of replenishment water.
2. Safe Yield should be estimated annually, though it is recognized that it is not to be formally recalculated until 2011. Watermaster should develop a technically defensible approach to estimating Safe Yield annually.
3. Measures should be evaluated to lessen or stop the projected Safe Yield decline. All practical measures should be evaluated in terms of their potential benefits and feasibility.
4. Evaluations and reporting of the impact of Basin Re-Operation on groundwater storage and water levels should be done on an annual basis.
5. Total demand for groundwater should be forecast for 2015, 2020, 2025, and 2030. The availability of imported water for supply and replenishment, and the availability of recycled water should be forecast on the same schedule. The schedules should be refined in each Recharge Master Plan update. Projections should be supported by thorough technical analysis.
6. The Recharge Master Plan must include a detailed technical comparison of current and projected groundwater recharge capabilities and current and projected demands for groundwater. The Recharge Master Plan should provide guidance as to what should be done if recharge capacity cannot meet or is projected not to be able to meet replenishment needs. This guidance should detail how Watermaster will provide sufficient recharge capacity or undertake alternative measures so that Basin operation in accordance with the Judgment and the Physical Solution can be resumed at any time.



These recommendations are a reflection of the requirements described in the Peace II Measures. Peace Agreement II section 8.1 and the Amendment to Judgment Exhibit “I” section 2(b)(5) require that the updated Recharge Master Plan must:

- 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.
- Contain recharge estimations and summaries of the projected water supply availability as well as the physical means to accomplish the recharge projections.
- Reflect an appropriate schedule for planning, design, and physical improvements as may be required to provide reasonable assurance that sufficient Replenishment capacity exists to meet the reasonable projections of Desalter Replenishment obligations following the implementation of Basin Re-Operation.

Peace Agreement II section 8.4(d)(2) further requires that the Recharge Master Plan:

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.

The Outline of the Recharge Master Plan Update report and the scope of work were designed to respond to the Special Referee’s report, as ordered by the Court on December 21, 2007. The Court subsequently approved the outline, and the stakeholders reviewed and approved the scope of work.

## **1.2 2010 RMPU Implementation**

In its October 2010 Court order, the Court accepted the 2010 RMPU as satisfying Condition Subsequent Number 8 and ordered that certain recommendations of the 2010 RMPU be implemented. Specifically, the Court ordered:

(3) Watermaster is hereby ordered to convene the committee described in item 3 of section 7.1 of the updated RMP to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield.

(4) Watermaster is hereby ordered to conduct further analyses as described in section 7.2 of the updated RMP of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan.

(5) By December 17, 2011, six months following completion of the parties UWMPs, Watermaster will report to the Court on any changes to the 2010 RMP necessitated by information received through the UWMPs. In this report Watermaster will also report on progress made under items (3) and (4) above, and will report on the status of IEUA's approval of the RMP.

Item 3 of Section 7.1 of the 2010 RMPU reads as follows:

3. In implementing the above, Watermaster should form a committee—consisting of itself, the landuse control entities, the County Flood Control Districts, the CBWCD, the IEUA, and others—to develop the monitoring, reporting, and accounting practices that will be required to estimate local project stormwater recharge and new yield. This committee should be formed immediately, and the monitoring, reporting, and accounting practices should be developed as soon as possible.

The operable section of Section 7.2 of the 2010 RMPU reads as follows:

Watermaster should conduct further analyses of the Phase I through III projects to refine the projects, to develop a financing plan, and to develop an implementation plan. This planning work should begin as soon as practical and could be accomplished within three years. The schedule to implement the Phase I through III projects would be developed during the proposed planning work, and the construction of these projects could be completed within five years of completing the proposed planning work.

Interpreted literally, the Court currently expects that the Planning for the Phase I through III projects to be done by October 2013 and that construction be completed by October 2018. This does not mean that all the projects contained within the 2010 RMPU will be constructed by October 2018. Watermaster needs to determine which of the recharge projects identified in the 2010 RMPU, and perhaps other recharge projects, need to be implemented based on current projected needs and have the planning for these projects done at an appropriate level that they may be constructed by October 2018.

In November 2011, Watermaster reported its progress pursuant to the October 2010 Court Order; after which, in 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.

And, on December 15, 2011, the Watermaster Board:

“Moved to approve that within the next year there will be the completion of 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.”<sup>2</sup>

This report is in response to the October 2010 and December 2011 Court Orders and the December 2011 Board direction.

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<sup>2</sup> From the minutes of the December 15, 2011 Watermaster Board meeting

### 1.3 Production Sustainability

The term sustainability is used throughout this report and refers specifically to the ability to produce water from a specific well at a desired production rate, given the groundwater level at that well and its specific well construction and equipment details. It has no nexus to the Judgment or Peace Agreements. Groundwater production at a well is presumed to be sustainable if the groundwater level at that well is greater than the sustainability metric. Sustainability metrics are defined for each well by well owner. If the groundwater level falls below the sustainability metric, the owner will either lower their pumping equipment in their well or have to reduce production.

### 1.4 Organization of this Report

This report is organized around a set of questions that were developed to respond to the Court, the Watermaster Board, and the Parties. The table below lists these questions, the order in which they are answered, and the sections in which the answers are provided.

| Section   | Questions Addressed   |
|---|---|
| Section 2 – Changed Conditions  | <ol style="list-style-type: none"> <li>1. What are the regulatory and institutional issues that have occurred since the 2010 RMPU was prepared?</li> <li>2. How have groundwater levels changed since the OBMP was approved in 2000?</li> <li>3. How have groundwater and replenishment projections changed since the 2010 RMPU was prepared?</li> <li>4. How much water has been stored by the Parties and what is the potential for additional storage in the future?</li> <li>5. What are the replenishment sources available to the Watermaster and what are their reliability and cost?</li> </ol>   |
| Section 3 – Impacts of Revised Groundwater Production and Replenishment Projections | <ol style="list-style-type: none"> <li>1. How are groundwater levels projected to decline with the revised projections?</li> <li>2. What areas in the basin are facing sustainability challenges?</li> </ol>  |
| Section 4 – Inventory of Existing Recharge Facilities and Their Capabilities        | <ol style="list-style-type: none"> <li>1. What are the existing recharge facilities and what is their ability to recharge storm and supplemental waters?</li> <li>2. What physically/institutionally limits the ability to recharge storm water at existing facilities and what improvements could be made to these facilities to capture more stormwater?</li> <li>3. What physically/institutionally limits the supplemental water recharge capacity of the existing recharge facilities?</li> <li>4. What are the implications of the most recent draft recycled water recharge regulations for the Chino Basin?</li> <li>5. What is the recharge capacity of existing ASR facilities in the Chino Basin?</li> </ol> |

| Section   | Questions Addressed  |
|---|--|
|   | 6. What is the projected in-lieu recharge capacity in the Basin and what limits it?  |
| Section 5 – Recharge Resulting from MS4 Permits                         | <ol style="list-style-type: none"> <li>1. Who owns the new yield created by the implementation of new recharge projects constructed to comply with MS4 permits?</li> <li>2. What policies and accounting procedures need to be developed to account for the new yield created by MS4 compliance?</li> </ol>  |
| Section 6 – Recharge Options to Improve Yield and Assure Sustainability | <ol style="list-style-type: none"> <li>1. What areas in the basin are likely to have future sustainability issues that can be addressed by increasing physical recharge?</li> <li>2. What operational changes should be implemented to increase the recharge of storm and supplemental waters at existing basins to increase yield or to assure production sustainability? What are the costs and impediments to implementations?</li> <li>3. What new recharge facilities should be constructed to increase yield or to assure production sustainability? What are the costs and impediments to implementation?</li> <li>4. What changes in production patterns (location and magnitude) could be implemented to increase yield or to assure production sustainability? What are the costs and impediments to implementations?</li> </ol> |
| Section 7 – Evaluation Criteria   | <ol style="list-style-type: none"> <li>1. What criteria should be used to evaluate the recharge options identified in Section 6?</li> <li>2. What are the criteria for ranking the options?</li> </ol>   |
| Section 8 – Recommended Recharge Master Plan Update Options             | <ol style="list-style-type: none"> <li>1. Applying the criteria and ranking scheme from Section 7, what operational and facilities improvements should be implemented to increase yield and assure sustainable production?</li> </ol>  |
| Section – 9 Recommended Schedule and Financing Plan                     |  |

## Section 2 – Changed Conditions

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The objectives of this section are to describe changed conditions from what was assumed in the 2010 RMPU and to update information that was included in the 2010 RMPU. Specifically this section answers the following questions:

- What are the regulatory and institutional issues that have occurred since the 2010 RMPU was prepared?
- How have groundwater levels changed since the OBMP was approved in 2000?
- How have groundwater and replenishment projections changed since the 2010 RMPU was prepared?
- How much water has been stored by the Parties and what is the potential for additional storage in the future?

What are the replenishment sources available to the Watermaster and what is their reliability and cost?

### 2.1 Legislative and Regulatory

There has been one significant legislative change and one regulatory change since the 2010 RMPU. The legislative change is the implementation of SBX7-7, the so-called “20 percent by 2020 law.” Under this legislation, potable water demands are to be reduced by 10 percent by 2015 and 20 percent by 2020.<sup>3</sup> The municipal water suppliers have incorporated this requirement into their 2010 Urban Water Management Plans. This information was not available during the preparation of the 2010 RMPU. The implications of the implementation of this law on groundwater production and replenishment are discussed in further detail in the section below entitled Revised Groundwater Production and Replenishment Projections.

Currently, Watermaster and the IEUA recharge recycled water in the Chino Basin under a permit issued by the Regional Water Quality Control Board (Regional Board). The California Department of Public Health (DPH) has draft regulations for the planned recharge of recycled water into a potable water supply aquifer. The DPH recently updated its draft regulations. The DPH uses the draft regulations as guidance in the regulation of recycled water recharge and issues permit conditions that are incorporated by the Regional Board into permits for planned recycled water recharge projects. The implications of the new draft regulations on recycled water are discussed in Section 4 of this report.

### 2.2 Groundwater Level Changes

This section analyzes groundwater level changes in the Basin and groundwater level changes at representative wells since the implementation of the OBMP in 2000. Groundwater level changes are characterized in groundwater level contour maps, a groundwater level change

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<sup>3</sup> The actual law and implementation are more complicated than just the stated reductions in potable water demand. The law also has an agricultural water demand reduction mandate. For more information, go to <http://www.water.ca.gov/wateruseefficiency/sb7/docs/20x2020plan.pdf>.



contour map, cross-sections that illustrate changes in saturated thickness, and time histories of groundwater levels at selected wells through 2011. The data used in the subsequent figures are contained in a relational database and were accessed through HydroDaVE™.

### 2.2.1 Groundwater Level Changes Across the Basin

Figures 2-1a and 2-1b are groundwater elevation contour maps for spring of 2000 and the spring of 2010. These maps were included in the recent 2010 State of the Basin Report (WEI, 2012). The following procedures were used in the creation of these maps:

- Extract the entire time history of groundwater level data from Watermaster’s groundwater level database for all wells in the Chino Basin.
- Plot and explore groundwater elevation time histories for all wells.
- Choose one “static” groundwater level elevation data point per well that is representative of the spring 2000 and spring 2010 periods.
- Plot groundwater level elevation data on maps with background geologic/hydrologic features.
- Contour and digitize groundwater elevation data.

The direction of groundwater flow is perpendicular to these contours in the direction of decreasing elevation. These maps show that groundwater generally flows in a south-southwest direction from the primary areas of recharge in the northern parts of the basin toward the Prado Flood Control Basin in the south. There are notable pumping depressions in the groundwater level surface that interrupt the general flow patterns in the northern portion of MZ1 (Montclair and Pomona areas) and directly southwest of the Jurupa Hills. There is an extensive groundwater level depression surrounding the Chino I and Chino II Desalter well fields in the spring of 2010.<sup>4</sup>

Figure 2-2 shows the difference in groundwater elevation between the spring of 2010 and the spring of 2000. This map was composed by subtracting the groundwater elevations for the year 2000 from the groundwater elevations for 2010. The change in groundwater elevation is shown by contours of equal change and by a color ramp of yellow-to-green for increasing groundwater elevations and yellow-to-red for decreasing groundwater elevations. These groundwater-level changes are for the shallow unconfined aquifer, where most of the storage change occurs.

Groundwater levels have declined across the central and eastern portions of the Basin. This decline is attributed to groundwater production in MZ2 and MZ3 during the period and the implementation of “basin re-operation.” Groundwater levels declined significantly in most of the areas around the Chino Desalter well fields. Pumping began in 2001 and progressively

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<sup>4</sup> The Chino I desalter started producing groundwater in 2001, and the groundwater depression surrounding wells CDA I-5 through CDA I-12 quickly developed. The Chino I desalter expansion and the Chino Desalter II started up in 2007, and the groundwater depression surrounding CDA I-13 through CDA I-15 and the Chino Desalter II wells quickly developed.



increased as the well field and the desalter facilities expanded. The drawdown associated with the desalter well field has achieved hydraulic control in most of this area and has increased the hydraulic gradient from the Santa Ana River toward the desalter well field. Hydraulic Control is one of several commitments made by the IEUA and Watermaster to the Regional Board (RWQCB) as part of the maximum benefit commitments incorporated in the Santa Ana Regional Water Quality Control Plan (Basin Plan) in 2004 and the Peace II Agreement in 2007. Watermaster conducts monitoring and prepares an annual report to the RWQCB to document the state of hydraulic control.

Groundwater levels have risen in the western part of the Basin. In the northwest part of the Basin this is attributed to a decrease in production associated with in-lieu and wet water recharge for the MWDSC Dry Year Yield program. In the southwest, water levels have increased where there is decreased pumping associated with the land subsidence investigation and the resulting MZ1 Subsidence Management Plan (WEI, 2007b). In the south near Prado Basin, water levels have risen due to decreased agricultural pumping and, more recently, the agricultural use of recycled water in lieu of groundwater production.

Figure 2-3 illustrates the groundwater production time history for fiscal years 1999-2000 through 2010-11<sup>5</sup> by pool, Dry-year Yield program take, and for the Chino Desalter Authority. During this period total groundwater production oscillated between 160,000 to 180,000 acre-ft/yr except for 2006 and 2011. Aggregate production by the overlying agricultural and overlying non-agricultural pools declined from about 50,000 acre-ft/yr to about 22,000 acre-ft/yr. These declines were offset by production from the appropriative pool, Dry-year Yield program takes in 2008, 2009, and 2010, and by increases in production from the Chino Basin desalters. Production by the appropriative pool generally increased through 2007 and then declined to less than 100,000 acre-ft/yr after 2007.

## 2.2.2 Changes in Saturated Thickness

Figure 2-4 shows the locations of flow-lined based cross-section profiles through each of the management zones, through a part of the Chino II Desalter well field, and through part of the JCSD well field. These flow-line based cross-sections are shown in figures 2-5a through 2-5f. The intent of these cross-sections is to show the saturated thickness through these cross-sections for 2000 and 2010 and wells located on or near these cross-sections. The horizontal red bar shown at most wells are sustainability metrics that have been provided by the well owners. Groundwater production at wells is presumed to be sustainable if the groundwater level at the well is greater than the sustainability metric. If the groundwater level falls below the sustainability metric, the owner will either lower their pumping equipment in their well or will have to reduce production. These metrics will be described in more detail in Section 3.

Cross-sections A-A' (Figure 2-5a), B-B' (Figure 2-5b), and C-C' (Figure 2-5c) are laid out in a generally north to south alignment through MZ1, MZ2, and MZ3, respectively. The saturated thickness through most of these cross-sections ranges from about 400 feet to over 1,000 feet with two notable exceptions: the northern end of A-A' and the JCSD well field in cross-

<sup>5</sup> Hereafter, all years in which production, replenishment, and recharge are discussed will be fiscal years, and they will be referred to as the trail year. For example, fiscal 1999-2000 will be referred to as 2000.

section C-C'. Groundwater levels are seen to be slightly higher in MZ1 in 2010 relative to 2000, and this increase is relatively small compared the saturated thickness and the depth of wells. Groundwater levels are generally 20 to 50 feet lower in MZ2 and MZ3 in 2010 relative to 2000; as with MZ1, this change is relatively small compared to the saturated thickness and depth of wells except where cross-section C-C' passes through the JCSD well field and the Chino desalter wells, where the saturated thickness is much smaller due to an increase in the elevation of the effective base of the aquifer.

Cross-sections D-D' (Figure 2-4d) and E-E' (Figure 2-4e) are laid out in a generally east to west alignment through MZ4 and MZ5, respectively. The saturated thickness throughout most of these cross-sections ranges from about 100 feet to 300 feet and in some places less. The saturated thickness near JCSD well 24 appears to be slightly greater than 100 feet in 2010. Groundwater levels are generally 0 to 30 feet lower in MZ4 and MZ5 in 2010 relative to 2000 with the decrease in MZ5 less than MZ4.

### 2.2.3 Historical Groundwater Level Trends

Figure 2-1a shows the locations of wells with groundwater level time histories discussed herein and the Chino Basin management zone boundaries. Wells were selected based on length of record, density of data points, quality of data, geographical distribution, and aquifer system. Wells are identified by their local name (usually owner abbreviation and well number) or their Watermaster identification number (Watermaster ID) if privately owned.

Figures 2-6a through 2-6e are groundwater level time history charts for the wells shown in Figure 2-1a, for MZ1 through MZ5, respectively. Some of the short-term groundwater level fluctuations shown in these figures result from the inclusion of static and dynamic observations. Below, by management zone, the behavior of groundwater levels at specific wells is compared to climate, groundwater production, wet water recharge activities, and other factors as appropriate.

To compare groundwater levels to climate, a cumulative departure from mean precipitation (CDFM) curve has been plotted on the groundwater level time history charts. Positive sloping lines on the CDFM curve show wet years or wet periods, whereas negatively sloping lines show dry years or dry periods. For example, the period from 1978 to 1983 was an extremely wet period, and it is represented by a positively sloping line. To compare groundwater levels to pumping and recharge activities, bar charts that show groundwater production and wet water recharge by management zone have been superimposed on the groundwater level time history charts. These charts are detailed and somewhat complicated tools that provide insight into the complicated response of groundwater levels to several stressors.

#### 2.2.3.1 Management Zone 1

MZ1 is an elongate region, running generally north-south, and comprises the westernmost area of the Chino Basin. It is bounded by MZ2 to the east, various basin-boundary faults to the north, and sedimentary bedrock outcrops to the west and south.

Figure 2-6a shows groundwater level time histories for the following wells: Monte Vista Water District Well 10 (MVWD-10), City of Pomona Well 11 (P-11), City of Chino Well 10 (C-10), and Chino Hills Wells 15A and 16 (CH-15A and CH-16). The Montclair, College Heights, Upland, and Brooks Street Basins are located in the northern portion of MZ1 and are the primary sites for artificial recharge. Careful inspection of Figure 2-6a indicates that the groundwater level response to precipitation is minimal, as evidenced by comparison of the CDFM to groundwater level time series, and that groundwater levels are most significantly influenced by groundwater production and artificial recharge.

Wells MVWD-10 and P-11 exhibit representative groundwater levels for the northern portion of MZ1. An analysis of static groundwater levels at these wells shows a decline from 1995 to 2001, a period of increased groundwater production in MZ1. Since 2001, water levels have risen by about 100 feet at MVWD-10 and by about 45 feet at P-11. This increase is attributed to a decrease in local production and an increase in wet water recharge in MZ1 since 2001.

Well C-10 is located in central MZ1. Water levels at C-10 peaked in the mid-1990s and declined by about 20 feet from 1995 to 2000. Unlike other wells in MZ1 that experienced significant water level recovery from 2000 to 2006, the water levels at C-10 remained essentially unchanged. Since 2006, water levels have risen by approximately 20 feet. This increase is due to a decrease in local production and an increase in wet water recharge.

Water levels measured at CH-15A are representative of the shallow aquifer system in the southern portion of MZ1. The recent land subsidence investigation has shown that in southern MZ1, the aquifer system is hydrologically stratified. The shallow aquifer system is unconfined to semi-confined while the deep aquifer system is confined. Water levels in CH-15A have historically been stable at around 80-90 ft-bgs and have experienced small variations in response to nearby pumping. Since 2000, water levels have risen by about 10 feet. This is primarily due to the decrease in local production associated with the MZ1 Interim Management Plan.

CH-16 is perforated in the confined deep aquifer system, which is characterized by large changes in piezometric pressure due to nearby pumping. In 2003 and 2004, during a series of pumping tests conducted by Watermaster in southern MZ1, water levels in CH-16 dropped by approximately 100 feet, and the period of recovery lasted several months. These tests demonstrated that piezometric levels in CH-16 (and the deep aquifer system in general) are heavily influenced by changes in pumping from local wells screened within the deep aquifer system. The static water levels at CH-16 declined by about 100 feet from 1995 to 2000 and subsequently recovered by about 140 feet from 2000 to 2006. At the end of 2008, static water levels had declined by about 30 feet from the 2006 highs with a maximum drawdown of about 60 feet observed in the summer of 2008.

### **2.2.3.2 Management Zone 2**

Management Zone 2 (MZ2) is a large, central, elongate area of the Chino Basin. Figure 2-6b shows groundwater level time histories for Cucamonga Valley Water District (CVWD) Wells CB-3 and CB-5 (CVWD CB-3 and CVWD CB-5), City of Ontario Well 16 (O-16), Watermaster ID 600394, and Hydraulic Control Monitoring Program Wells 2/1 and 2/2

(HCMP-2/1, and HCMP-2/2). These wells are aligned north to south, approximately along a groundwater flow line. The San Sevaine, Etiwanda, Lower Day, Victoria, Turner, and Ely Basins are located in the northern and central regions of MZ2 and are the primary sites for artificial recharge. Careful inspection of Figure 2-6b indicates that the groundwater level response to precipitation and artificial recharge is minimal, as evidenced by comparison of the CDFM and artificial recharge time history to groundwater level time histories, and that groundwater level time histories are most significantly influenced by groundwater production.

The groundwater level time histories for the northernmost wells—CVWD CB-3 and CB-5 and O-16—show a general water level increase following 1978, which is likely due to a combination of the 1978 to 1983 wet period, the reduction in overdraft following the implementation of the Chino Basin Judgment, and the start of artificial replenishment with imported water in the San Sevaine and Etiwanda Basins. Following the early 1990s, water levels at these wells began to decrease and have continued to decrease to present. The static water levels at CB-3 and CB-5 decreased by approximately 30 feet between 2003 and 2006. Long-term water level decreases in this area of MZ2 are likely due to decreased wet water recharge from 1996 to 2003 and increased groundwater production from 1995 to present.

Well Watermaster ID X-Ref 404 is located in the central portion of MZ2, north of the Chino I Desalter well field. Water levels at this well have decreased by about 15 feet since 2000.

Wells HCMP 2/1 and HCMP 2/2 are located at the southern end of MZ2 near the Chino I Desalter well field. These wells were completed and the first measurements were recorded in early 2005. HCMP 2/1 is perforated in the shallow aquifer system, and HCMP 2/2 is perforated in the deep aquifer system. Contrary to that of MZ1, the deeper aquifer in this MZ behaves much more like the shallow, unconfined aquifer, which is indicative of a greater degree of hydraulic communication between the two aquifer systems. Both wells exhibited similar groundwater level increases (15-20 feet) from 2005 to 2006. It is likely that this was due to changes in local production—especially at some of the nearby Chino I Desalter wells, which experienced production decreases in 2005 and 2006. Since 2006, water levels have decreased by 5-10 feet in both wells.

### **2.2.3.3 Management Zone 3**

Management Zone 3 (MZ3) consists of the area along the eastern boundary of the Chino Basin. It is bounded by MZ2 to the west, Chino-East (MZ4) and Chino-South (MZ5) to the south, and the Rialto-Colton Fault to the east. Figure 2-6c shows water level time histories for Fontana Water Company Wells F30A and F35A (F30A and F35A), Milliken Landfill Well M-3 (M-3), County of San Bernardino MIL M-06B, Watermaster ID 3602468, and HCMP Well 7/1 (HCMP 7/1). These wells are aligned northeast to southwest, approximately along a groundwater flow line. The RP-3 and Declez Basins are located in the central region of MZ3 and are the primary sites for artificial recharge. Careful inspection of Figure 2-6c indicates that, like MZ2, the groundwater level response to precipitation and artificial recharge is minimal, as evidenced by comparison of the CDFM and artificial recharge time history to groundwater level time histories, and that groundwater level time histories are most significantly influenced by groundwater production.

Wells F30A and F35A are located in the northeastern portion of MZ3. The groundwater level time histories of these two wells show relatively stable water levels from 1978 until the late 1990s. From 2000 to 2006, the wells experienced a progressive decline in water levels of about 25 feet. This decline is due to increased production in MZ3. Since 2006, water levels at F35A have remained relatively unchanged, and water levels at F30A have fluctuated  $\pm 5$  to 10 feet.

Wells M-3, M-06B, and Watermaster ID Xref 425 are located in the central portion of MZ3. From 2000 to 2006, a groundwater decline of about 30 feet was observed at these wells.

The southernmost well, HCMP-7/1, experienced a groundwater level decline of about 20 feet from 2005 to the end of 2008. Similar water level declines can be observed in most wells throughout MZ3. This regional drawdown in MZ3 is due to the steady increase in production within MZ3 over the past 20 years and a lack of artificial recharge.

#### **2.2.3.4 Management Zone 4**

MZ4, also known as Chino-East, is bounded by the Jurupa Hills to the north, the Pedley Hills to the east, MZ5 to the south, and MZ3 to the west. Figure 2-6d shows groundwater level time histories for HCMP Well 9/1 (HCMP-9/1), Jurupa Community Services District Well 10 (JCSD-10), Watermaster ID 4503, and FC932A2. There are no recharge basins in MZ4, and very little groundwater production occurs in this area.

Groundwater levels at these wells decreased by about 20 to 40 feet between 2000 and 2008. These declines are due to groundwater production at wells in the management zone and at nearby wells in MZ3, including the Chino II desalter well field, which is located near the western boundary of the MZ4.

#### **2.2.3.5 Management Zone 5**

MZ5, also known as Chino-South, is bounded by MZ4 to the north, MZ3 to the west, the Riverside Narrows to the east, and various unnamed hills to the south. Figure 2-6e shows groundwater level time histories for USGS Well Archibald-1, HCMP Well 8/1 (HCMP 8/1), and Santa Ana River Water Company Well 07 (SARWC-07). There are no groundwater recharge basins in MZ5, but the Santa Ana River is a major source of groundwater recharge. In place of artificial recharge, Figure 2-6e shows the total Santa Ana River discharge measured at the MWD crossing where the Santa Ana River enters the Chino Basin. Santa Ana River discharge in the lower Chino Basin is the source of recharge to wells producing in that area, including the Chino desalters.

These wells exhibit very little groundwater level variation due to the stabilizing effects of Santa Ana River discharge and, more particularly, dry-weather discharge that consists of recycled water and rising water discharge, originating above the MWD crossing and the City of Riverside recycled water discharge just downstream of the MWD crossing. Production in MZ5 decreased steadily from 1978 to 2008 due to a reduction in agricultural production, as the overlying land was converted from agricultural to urban uses. Groundwater levels in

HCMP-8/1 and SARWC-07 have declined about 10 to 15 feet since 2006. This decline is due to the onset of pumping at nearby Chino II Desalter wells.

## 2.2.4 Focused Groundwater Level Time Histories in the Southern End of MZ3

The discussion of Figures 2-5a through 2-5g indicated that groundwater levels were close or had fallen below sustainability metrics for the some wells in the southern end of MZ3. In this section, we examine the time history of selected wells in this part of the Basin. Figures 2-7a and 2-7b are groundwater level time history charts for the wells shown in Figure 2-1a: for the eastern Desalter II well field and for selected JCSD wells in the JCSD well field, respectively. Static and dynamic water level observations have been included to show the trend in groundwater levels in these areas and the amount of drawdown incurred at these wells when operating. Below, the behavior of groundwater levels at specific wells is compared to climate, groundwater production, wet water recharge activities, and other factors as appropriate.

Figure 2-7a illustrates the groundwater level time histories and stressors for the eastern wells of the Desalter II well field. The water level time history starts in 2007 and continues into 2012, a period of just under five years. These data are collected at high frequency using integrated pressure transducers with data loggers. The static and dynamic levels are easily identifiable. Static groundwater levels at wells CDA II-7 and CDA II-8 decreased about 20 feet by mid-2009 and have remained steady since that time. Static groundwater levels at wells CDA II-6 and CDA II-9a decreased about 30 feet by mid-2009 and have remained steady since that time. Desalter II production declined after 2009, and artificial recharge in MZ3 at the RP3 and Declez Basins increased. Based on the groundwater modeling work discussed in Section 3, it is likely that the reduction in Desalter II production contributed to the stabilization of groundwater levels at these wells.

Figure 2-7b illustrates the groundwater level time histories and stressors for selected JCSD wells. The locations of these wells are shown in Figure 2-1a. The water level time histories for JCSD 12 and JCSD 17 start before 2000. The irregularity of the data makes the interpretation of the water level time histories less clear than that of the desalter wells discussed above. Water levels at JCSD 12 appear to decline about 10 feet through 2005, decrease another 30 feet after Desalter II started up in 2007, and stabilize in 2009. The water level time history for JCSD 17 is more difficult to interpret, but the trend in the data suggests that the static level may have decreased 10 feet.

The water level record at JCSD 22 starts in 2004 with irregular observations through 2008 and more frequent observations thereafter. Static groundwater levels at JCSD 22 vary somewhat between 2004 and 2007 with no discernible trend. After the startup of Desalter II, groundwater levels appear to decrease about 20 feet by mid-2009, remaining steady since that time. Static groundwater levels at wells CDA II-6 and CDA II-9a appear to decrease about 30 feet by mid-2009, remaining steady since that time. Desalter II production declined after 2009 and artificial recharge in MZ3 at the RP3 and Declez Basins increased. Based on the groundwater modeling work discussed in Section 3, it is likely that the reduction in Desalter II production contributed to the stabilization of groundwater levels at these wells.

## 2.3 Water Stored in the Basin

Members of the overlying non-agricultural and appropriative pools can store water in the Chino Basin for subsequent use and transfer among parties to Judgment. Storage is regulated pursuant to the Judgment and Watermaster rules and regulations. Classifications of water in storage include:

- Carryover water – unproduced water in any year that may accrue to a member of the overlying non-agricultural and appropriative pools and that is produced first each subsequent fiscal year or accounted for as excess carryover water;
- Excess carryover water – carryover water which in aggregate quantities exceeds a party's share of the safe yield in the case of the overlying non-agricultural pool or the assigned share of operating safe yield in the case of the appropriative pool in any year; and
- Supplemental water – water imported to the Chino Basin from outside of the Chino Basin watershed and recycled water.

Table 2-1 shows the time history of the aggregate water in storage for all parties in the overlying non-agricultural and appropriative pools by storage type for the period July 1, 2001 through June 30, 2011. This time history is shown graphically in Figure 2-8. Aggregate storage by the overlying non-agricultural pool increased from about 38,000 acre-ft in July of 2001 to about 56,000 acre-ft in July of 2011. Aggregate storage by the appropriative pool increased from about 154,000 acre-ft in July of 2001 to about 286,000 acre-ft in July of 2011. In total, storage increased from about 192,000 acre-ft in 2001 to about 342,000 acre-ft by July 2011, with most of the increase occurring after 2004. Table 2-2 shows the distribution of storage by individual members of the overlying non-agricultural and appropriative pools.

## 2.4 Revised Groundwater Production and Replenishment Projections

The 2010 RMPU (WEI, et al., 2010) contained a recommendation to update the groundwater production and replenishment obligations to reflect the water purveyor plans being developed to comply with SBX7-7 (20 percent reduction in per capita potable demands by 2020) and the 2010 Urban Water Management Plans (UWMPs) that were due in June 2011. Some stakeholders in the 2010 RMPU process noted that water purveyors may have overestimated groundwater production projections, which would lead to an overestimate of future replenishment obligations and potentially investments in new recharge facilities that may not be required if more recent future groundwater production estimates were used.

The Court accepted this recommendation and included it in its October 8, 2010 Court Order, directing Watermaster and the IEUA to prepare updated groundwater production and replenishment obligation projections and to submit them to the Court by December 17, 2011. This section complies with the October 8, 2010 Court Order and to support the ongoing Watermaster planning process, wherein Watermaster is updating and using its groundwater models to predict basin responses to future planning scenarios. One of the goals of modeling the future planning scenarios is to estimate the safe yield of the Chino Basin.

It is important to note that this report is focused on production and replenishment. The term replenishment, as used herein, refers to the mitigation of overproduction pursuant to the physical solution specified in the Judgment through either wet-water or in-lieu means. Recharge and replenishment water are defined in the Peace Agreement as: “[...] the introduction of water into the Basin, directly or indirectly, through injection, percolation, delivering water for use in-lieu of Production or other method. Recharge references the physical act of introducing water into the Basin. Recharge includes Replenishment Water but not all Recharge is Replenishment Water.”

The distinction between recharge and replenishment is important. There may be reasons to recharge other than replenishment, such as mitigating excessive groundwater level declines. Watermaster’s recharge obligations related to excessive groundwater level decline and/or the need to balance recharge and discharge are contained in 5.1 (e) of the Peace Agreement.

### **2.4.1 Groundwater Production Projections**

WEI collected available UWMPs from the Chino Basin Parties, including the Cities of Chino, Ontario, Pomona, and Upland; the Golden State Water Company; the San Antonio Water Company; the Monte Vista Water District; the Cucamonga Valley Water District; the Fontana Water Company; the Jurupa Community Services District; the Chino Desalter Authority; the Inland Empire Utilities Agency; the Three Valleys Municipal Water District; the Western Municipal Water District; and the Metropolitan Water District of Southern California. In addition to these plans, WEI contacted the City of Chino Hills to informally obtain their water demands and supply plans. For those retail water agencies that are not required to prepare UWMPs, WEI conducted interviews or reviewed other planning information to estimate water demands and to establish water supply plans.

WEI reviewed this planning information, and where parties’ water supply plans showed more water supply than demand, WEI conducted additional discussions to distinguish their Chino Basin groundwater production projections and was able to establish priorities of the various supplies and adjust their water supply plans.

The Metropolitan Water District of Southern California (Metropolitan) has indicated that it will discontinue Replenishment Service water deliveries and replace those deliveries with some other program that will be developed in the future. Seemingly, Watermaster will likely be required to purchase untreated water from Metropolitan at Tier 1, Tier 2, or melded Tier 1/Tier 2 rates for future replenishment. Several appropriators have demonstrated that, given increased replenishment, power, and assessment costs, it is currently or will soon be more economical to purchase Metropolitan water directly than to produce groundwater in excess of their production rights.

The production projection for agricultural producers has not changed in concept from the 2010 RMPU. Agricultural groundwater production was assumed to decrease linearly from about 21,000 acre-ft/yr in 2009-10 to about 5,000 acre-ft/yr by 2019-20. The sensitivity of this



assumption on projected production and replenishment will be described later in this report. In the last few years, recycled water has been supplied for agricultural uses and has resulted in a decline in agricultural groundwater use. The land remaining in agricultural land use is mostly within the sphere of influence of the Cities of Chino and Ontario. The decline in agricultural groundwater use, as shown in Table 2-3, is consistent with the growth in water demand by the Cities of Chino and Ontario.

The production projections for individual overlying non-agricultural producers were based on the following:

- For active producers where planning information was unavailable, production was assumed to be their maximum annual production from the five prior years (2006-07 through 2010-11).
- For General Electric (GE), production was assumed to be zero; GE now injects all of its produced groundwater back into the Chino Basin.
- For all other producers, planning estimates were provided.

Table 2-3 shows the projected time history of groundwater production for the 2010 through 2035 period, based on the information collected from the water supply agencies. “Normal” water supply conditions were used when the 2010 UWMPs were available. Under normal supply conditions, total annual groundwater production is projected to decrease from about 162,000 acre-ft/yr in 2010 to about 159,000 acre-ft/yr by 2020 and then gradually increase to about 191,000 acre-ft/yr by 2035. Projected annual groundwater production (in acre-ft/yr) is shown below.

#### Summary of Groundwater Production by Pool and the CDA

(acre-ft/yr)

| Planning Year | Agricultural Pool Production | Overlying Non-Agricultural Pool Production | Appropriative Pool and CDA Projection | Total Production |
|---------------|------------------------------|--|---------------------------------------|------------------|
| 2010          | 21,000                       | 2,343                                      | 138,320                               | 161,662          |
| 2015          | 13,000                       | 3,387                                      | 142,987                               | 159,374          |
| 2020          | 5,000                        | 3,667                                      | 150,356                               | 159,023          |
| 2025          | 5,000                        | 3,667                                      | 161,356                               | 170,023          |
| 2030          | 5,000                        | 3,667                                      | 171,969                               | 180,636          |
| 2035          | 5,000                        | 3,667                                      | 181,875                               | 190,542          |

Municipal and private water purveyors as well as private users in the Chino Basin area depend in part or completely on Chino Basin groundwater. The table below contains aggregate water supply projections (in acre-ft/yr), based on the UWMPs and other information obtained for this investigation.

**Macro Water Supply Plan for Watermaster Parties and the CDA**  
(acre-ft/yr)

| Water Source                     | 2010    | 2015    | 2020    | 2025    | 2030    | 2035    |
|----------------------------------|---------|---------|---------|---------|---------|---------|
| Chino Basin Groundwater          | 161,662 | 159,374 | 159,023 | 170,023 | 180,636 | 190,542 |
| Non-Chino Basin Groundwater      | 49,718  | 57,463  | 57,463  | 57,463  | 57,463  | 57,463  |
| Local Surface Water              | 26,017  | 18,869  | 18,869  | 18,869  | 18,869  | 18,869  |
| Imported Water From Metropolitan | 57,434  | 87,558  | 95,521  | 98,448  | 101,327 | 105,768 |
| Other Imported Water             | 766     | 3,500   | 3,500   | 3,500   | 3,500   | 3,500   |
| Recycled Water for Direct Reuse  | 13,516  | 21,393  | 26,393  | 30,993  | 35,593  | 40,694  |
| Total                            | 309,113 | 348,157 | 360,769 | 379,296 | 397,388 | 416,836 |

The total water demand is projected to grow from about 309,000 acre-ft/yr in 2010 to about 417,000 acre-ft/yr by 2035. As stated above, Chino Basin groundwater production is projected to decrease from about 162,000 acre-ft/yr in 2010 to about 159,000 acre-ft/yr by 2020 and then increase gradually to about 191,000 acre-ft/yr in 2035. Recycled water for direct reuse is projected to increase from about 14,000 acre-ft/yr in 2010 to about 41,000 acre-ft/yr by 2035. The amount of imported water supplied by Metropolitan is projected to increase from about 57,000 acre-ft/yr in 2010 to about 106,000 acre-ft/yr by 2035, an increase of 86 percent.

## 2.4.2 Replenishment Obligation Projections

Watermaster recharges supplemental water into the Chino Basin pursuant to the Judgment and the Peace Agreement. Total annual replenishment is calculated herein based on projected groundwater production and production rights. Production rights are based on the following assumptions:

- The safe yield is 140,000 acre-ft/yr through 2011 and, thereafter, the safe yield estimate presented in 2009 Production Optimization and Evaluation of the Peace II Project Description (WEI, 2009). The safe yield is projected to decline to about 129,000 acre-ft/yr by 2035.
- The Judgment allows 5,000 acre-ft/yr of controlled overdraft of the Chino Basin through 2017.
- Reoperation water is allocated to the replenishment of CDA desalter production, as provided for in the Peace II Agreement, updated in the report prepared to satisfy Condition Subsequent No. 7 (WEI, 2008), and updated thereafter based on actual CDA production. Reoperation water is completely used up by 2030.
- The 6,500 acre-ft/yr supplemental water recharge commitment to Management Zone 1 (MZ1) pursuant to the Peace II Agreement.
- Recycled water recharge was assumed to occur as projected by the IEUA in its February 10, 2012 email to Ken Jeske.

Recycled water recharge is used in MZ1 to partially meet the 6,500 acre-ft/yr supplemental water recharge obligation. Therefore, some of the recycled water recharge that has historically occurred in MZ1 and is planned to occur in the future is credited to meet the 6,500 acre-ft/yr supplemental water recharge obligation.

### 2.4.3 Groundwater Production and Replenishment Scenarios

Four groundwater production and replenishment scenarios were developed in this investigation.

#### 2.4.3.1 Scenario 1 – Baseline Scenario – Projected Groundwater Production and Production Rights and Efficient Market Assumption

Table 2-4 contains the projected groundwater production from Table 2-3, the various components of production rights and total production rights, the projected replenishment obligation, and the cumulative replenishment obligation (the baseline projection). The sudden decrease in production rights in 2014 is caused by the exhaustion of the first tranche of reoperation water by the existing desalters. The increase in production rights in 2015 is caused by the startup in use of the second tranche of reoperation water by the CDA expansion and the projected increase in recycled water recharge. The decrease in production rights over the period of 2019 through 2030 is due to the elimination of 5,000 acre-ft/yr of controlled overdraft after 2017 and the gradual decrease of safe yield. The sudden decrease in production rights that occurs in 2031 is due to the assumed ending of the 6,500 acre-ft/yr recharge obligation in MZ1 and the exhaustion of the second tranche of reoperation water.

Watermaster's replenishment obligation was estimated using the following assumptions:

- The water in storage accounts at the start of fiscal year 2010 is not used to meet future replenishment obligations. This is a conservative assumption that reserves discretion regarding the use of this water to individual storing parties.
- On a go-forward basis, under-producers will transfer un-pumped rights to overproducers each year; that is, there is an efficient market that moves unused production rights from under-producers to overproducers (hereafter, the efficient market assumption).

For this investigation, the net annual replenishment obligation was assumed to be equal to the greater of zero and the difference between actual production and production rights. The net replenishment obligation—assuming normal water supply years and the adjusted groundwater production projection from the UWMPs scenario—is projected to be zero in 2010 through 2023 (with a one-year exception in 2014), increase to about 1,600 acre-ft/yr in 2024, increase gradually to about 25,000 acre-ft/yr in 2030, jump to about 34,000 acre-ft/yr by 2031, and increase gradually thereafter to 43,000 acre-ft/yr in 2035. As noted above, this assumes that under-producers will transfer un-used production rights to overproducers each year; that is, there is an efficient market that moves unexercised rights from under-producers to overproducers. This assumption may underestimate the replenishment obligation for some years if water cannot be acquired in those years. Though, over the long term, this assumption is valid because the appropriator parties cannot store unused production rights indefinitely,



and the demand for replenishment water will provide financial incentives for unused production rights to be sold to overproducers. The efficient market assumption has been vetted with the Watermaster and the Judgment parties throughout the post Peace Agreement period and more recently in the RMPU Steering Committee process in 2012.

The last column in Table 2-4 shows the cumulative replenishment obligation from July 1, 2009 forward. Negative values indicate that cumulative production rights through that year exceed the cumulative production and that the volume of water in storage accounts will have increased by the negative of that value. For example, by the end of 2023, the cumulative replenishment obligation is estimated to be about -144,000 acre-ft. During the period of 2010 through 2023, the cumulative production rights are about 144,000 acre-ft greater than the cumulative production, and the volume of water in storage accounts will have increased by about 144,000 acre-ft.

After 2023, the net replenishment obligation becomes positive and grows as the annual production rights are less than the annual production. That said, the volume of water accumulating in storage accounts through 2023 is greater than the cumulative positive net replenishment obligation projected to occur from 2024 through 2032. In theory, this means that Watermaster may not have to purchase water from Metropolitan for replenishment until 2033. Though, Watermaster will still need to acquire and recharge supplemental water to meet its 6,500 acre-ft/yr MZ1 recharge obligation through 2030. There may also be a need to recharge imported water to dilute recycled water recharge. The maximum replenishment obligation would reach about 43,000 acre-ft/yr in 2035 which is substantially less than the projected supplemental recharge capacity available to Watermaster.

#### **2.4.3.2 Scenario 2 – Projected Groundwater Production and Production Rights per Table 2-4 with a Delay in the Decline of Agricultural Pool Production, and Efficient Market Assumption**

Table 2-5 is identical to Table 2-4 except that the projected decline in agricultural pool production is deferred until after 2020 and is assumed to decline to 5,000 acre-ft/yr by 2025 (hereafter Scenario 2). This was done to test the sensitivity of the projected replenishment obligation to the projected overlying agricultural pool production shown in Table 2-3. This results in greater projected groundwater production through 2024 than the production projection used in Scenario 1, the Baseline Scenario. The resulting net replenishment obligation projection with this assumed, delayed decline in agricultural production looks similar to the prior projection with the cumulative replenishment obligation being negative through 2026, reaching a value of about -65,000 acre-ft in 2016, and gradually increasing thereafter to about +240,000 by 2035. The maximum replenishment obligation would reach about 43,000 acre-ft/yr in 2035 which is substantially less than the projected supplemental recharge capacity available to Watermaster.

#### **2.4.3.3 Scenario 3 – Projected Groundwater Production and Production Rights per Table 2-4 with Appropriative Pool Production Increased by 10 Percent, and Efficient Market Assumption**

Table 2-6 is identical to Table 2-4 except that the appropriative pool contribution to groundwater production was increased by ten percent (hereafter Scenario 3). This was done to test the sensitivity of the projected replenishment obligation to the projected appropriative pool production shown in Tables 2-3 and 2-4. This results in greater projected groundwater production throughout the planning period than was seen in Scenarios 1 and 2. The resulting net replenishment obligation projection with this assumed increase in appropriative pool production looks similar to the prior projections with the cumulative replenishment obligation being negative through 2022, reaching a value of -39,000 acre-ft in 2013 and gradually increasing thereafter to about +430,000 by 2035. The maximum replenishment obligation would reach about 57,000 acre-ft/yr in 2035, which is substantially less than the projected supplemental recharge capacity available to Watermaster.

#### **2.4.3.4 Scenario 4 – Projected Groundwater Production and Production Rights per Table 2-4 with Appropriative Pool Production Increased by 10 Percent, with a Delay in the Decline of Agricultural Pool Production, and Efficient Market Assumption**

Table 2-7 is identical to Table 2-4 except that the appropriative pool contribution to groundwater production was increased by ten percent, and the projected decline in agricultural pool production is deferred until after 2020 and is assumed to decline to 5,000 acre-ft/yr by 2024-25 (hereafter Scenario 4). This was done to test the sensitivity of the projected replenishment obligation to the projected overlying agricultural and appropriative pools production shown in Table 2-3. This results in greater projected groundwater production throughout the planning period than was seen in Scenarios 1, 2, and 3. The resulting net replenishment obligation projection with this assumed increase in appropriative pool production looks similar to the prior projections with the cumulative replenishment obligation being negative for most of the planning period, reaching a value of -78,000 acre-ft in 2021-22 and gradually increasing thereafter to about +228,000 by 2034-35. The maximum replenishment obligation would reach about 46,000 acre-ft/yr in 2034-35, which is substantially less than the projected supplemental recharge capacity available to Watermaster.

### **2.4.4 Projected Time History of Water in Storage**

Figure 2-9 shows the projected time history of water in storage accounts and, more specifically, the buildup in storage due to production rights exceeding groundwater production throughout most of the planning period for the four planning scenarios shown in Tables 2-4, 2-5, 2-6, and 2-7. The amount of water in storage includes 283,000 acre-ft of water, which is in storage as of July 1, 2009, plus the projected increase in storage for each planning scenario. The projected time history shown in Figure 2-9 assumes that replenishment will come from storage when the production exceeds production rights. The intent of this figure is to illustrate the impact of the groundwater production projections on storage and to illustrate the amount of water in storage that could be available to offset future replenishment obligations. For Scenario 1, the volume of water in storage is projected to reach about 427,000 acre-ft in 2023 and declines thereafter but never reaches zero. This means that in theory, Watermaster could

purchase replenishment water from storing parties (provided that there are willing sellers) and never have to purchase water from Metropolitan for replenishment. This holds true for Scenario 2. Watermaster would have to purchase replenishment water from Metropolitan for replenishment by 2033 for Scenario 3 and 2030 for Scenario 4.

#### **2.4.5 Supplemental Water Recharge Capacity and Requirements to Meet Replenishment Obligations**

The 2010 RMPU stated that: “The supplemental water recharge capacity of the spreading basins available to Watermaster and the existing ASR wells is about 88,700 acre-ft/yr. With in-lieu recharge, the supplemental water recharge capacity ranges from 113,700 to 128,700 acre-ft/yr.” The supplemental water recharge capacity dedicated to recycled water recharge and the 6,500 acre-ft/yr MZ1 obligation is about 25,200 acre-ft//yr. This leaves about 89,000 to 103,000 acre-ft/yr of supplemental water recharge capacity for replenishment purposes.<sup>6</sup> The maximum supplemental water recharge requirement estimated in the production scenarios described above was 46,000 acre-ft/yr and assumes that the replenishment obligation will be met with imported water recharge and not storage. Given what is known today and anticipated groundwater production, there is no need to construct additional supplemental water recharge capacity to meet future replenishment obligations through 2035.

#### **2.4.6 Conclusions Regarding Groundwater Production and Replenishment Projections**

The following conclusions are evident from the discussion above:

- The groundwater production projections for 2012 are substantially less than assumed in the 2010 RMPU. The groundwater production projections presented herein are based, in part, on the 2010 UWMPs and a projected decline in agricultural water use. The reduction in projected groundwater production has been largely offset by an increase in the direct use of imported water, which appears to be driven, in part, by the changing economics of groundwater production. The Watermaster parties participating in the RMPU Steering Committee have reviewed the production projections and have accepted them as the best current estimates
- No new recharge facilities or new sources of replenishment water will be required to meet future replenishment obligations, as required by the Judgment. There may be other reasons to construct new recharge facilities, such as to mitigate excessive groundwater level declines. Watermaster’s recharge obligations related to excessive groundwater level decline and/or the need to balance recharge and discharge are contained in Section 5.1 (e) of the Peace Agreement.
- Watermaster and the parties should consider reviewing the storage management plan currently in use to determine if changes should be made to improve storage

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<sup>6</sup> As part of the current RMPU steering committee process, the supplemental water recharge capacity was reduced about 2,000 acre-ft/yr (see Section 4) however there is more than adequate supplemental water recharge capacity to meet future replenishment obligations.



management in general and more specifically to accommodate the probable increases in storage that will occur in the future.

## 2.5 Replenishment Sources, Availability and Cost

Watermaster has historically met its replenishment obligations through the purchase of State Water Project (SWP) water from the IEUA who in turn obtains this water from the Metropolitan Water District of Southern California (Metropolitan) and through the purchase of water from members of the appropriative pool. The 2010 RMPU contains a detailed description of sources of supplemental water that could be used for replenishment or other recharge programs. These sources include:

- Metropolitan’s SWP and Colorado River Aqueduct supplies delivered through Metropolitan facilities;
- groundwater and surface water supplies in the Santa Ana Watershed that can be supplied to the Chino Basin directly through existing or new conveyance facilities or by exchange;
- surplus groundwater from the Six Basins area;
- recycled water from the Western Riverside County Regional Wastewater Authority Plant located in the Chino Basin;
- recycled water from the Rapid Infiltration Extraction Treatment Plant (RIX) in Colton, from the City of Rialto, from the City of Riverside, and from others;
- groundwater and surface water supplies from the Central Valley, conveyed to the Chino Basin through SWP and Metropolitan facilities, San Bernardino Valley Municipal Water District facilities, and San Gabriel Municipal Water District facilities; and
- groundwater and surface water supplies from the Colorado River Basin conveyed to the Chino Basin through Metropolitan facilities.

The 2010 RMPU report documents the availability of these sources and includes cost estimates for some. With the exception of the Metropolitan’s SWP water, the availability and cost of all other supplemental water sources are unknown at this time.

### 2.5.1 SWP Water Supplied by Metropolitan

The 2010 RMPU contained an analysis of the availability of Metropolitan’s SWP water. Since the 2010 RMPU was completed, Metropolitan has completed its 2010 Integrated Resources Plan (IRP) Update (Metropolitan, 2010). Metropolitan’s core resources strategy, if implemented, will result in Metropolitan being able to meet all its demands at all times with the exceptions of potential shortages as the strategy is being implemented in the current decade.<sup>7</sup> Metropolitan is currently implementing its core resource strategy. Based on this finding, it is assumed herein that Watermaster will be able to purchase SWP water from Metropolitan when needed.

<sup>7</sup> Based on the 2010 Update, Integrated Regional Plan (Metropolitan, 2010) and personal discussion with Brandon Goshi of Metropolitan



Historically, Watermaster has purchased almost all of its replenishment water at rates that were discounted relative to water served by Metropolitan for direct use. Metropolitan is considering the elimination of its replenishment service this year, which means that Watermaster will be required to purchase more expensive untreated Tier 1 and Tier 2 water. Table 2-8a shows the historical recharge of Metropolitan SWP water in the Chino Basin. Figure 2-10 shows the location of Metropolitan's pipelines and turnouts and the recharge basins imported is recharge into the Basin.

Since 2002, Metropolitan's average water rates have increased about 6 percent per year, and since 2007, rates have increased about 10 percent per year. Currently, Metropolitan provides replenishment service water at \$442 per acre-ft which is \$118 less than the full-service untreated Tier 1 rate. The Metropolitan Board recently approved its fiscal 2012/13 and 2013/14 budgets and water sales rates. Metropolitan's average water rates will increase 5 percent in 2012/13 and 5 percent in 2013/14. Table 2-9 lists the historical water rates for replenishment, untreated Tier 1 and untreated Tier 2 services, and a range of future rate projections based on sustained rate increases of 6.75 percent (compound rate 2002 through 2012) and high projection increases at 10.92 percent (compound rate 2007 through 2012).

### **2.5.2 Recycled Water for Recharge and Its Availability and Cost (to be Insert on 4-18-12)**

In the last decade IEUA has constructed improvements at its treatment plants and conveyance facilities that have made recycled water available for direct reuse and groundwater recharge. The conveyance improvements and recharge basins use to recharge recycled water are shown in Figure 2-11. IEUA has conducted planning investigations to project the amount of recycled water available for recharge<sup>8</sup>. The key factors used to develop the recycled water recharge projections below are: basin/turnout capacities, infiltration rates, basin maintenance, recycled water contribution limitations, dry vs. wet year, capital projects and annual O&M. The specific assumptions for the recycled water recharge projections are listed below. The projections are included in Table 2-10.

- Mid-Range (Average Year) Recycled Water Recharge Assumptions:
  1. Recycled water recharge occurs 7 months of the year for Basins with infiltration rates  $\geq 0.5$  ft/day.
  2. Recycled water recharge occurs 5 months of the year for Basins with infiltration rates  $\leq 0.5$  ft/day.
  3. Recycled water turnout capacity limitations were considered.
  4. Recycled water contribution (RWC) limitations were considered.
  5. Basin maintenance is assumed to be at a frequency that would ensure that 50percent of post cleaning infiltration rate<sup>9</sup> at all times.

<sup>8</sup> IEUA Memorandum, Groundwater Recharge Master Plan Update, Recycled Water Assumptions, February 14, 2012

<sup>9</sup> The "post-cleaning infiltration rate" is the maximum infiltration rate achievable in the basin.

6. Basin maintenance occurs every two-to three years for each basin.
  7. Includes approved projects from the 2012/13 Ten-Year Capital Improvement Program:
    - a. Turner Basin – Recycled water conveyance enhancements completed by October 2013, and beneficial use is realized in FY 2013/14. Assumes permitting of Turner Basin 5 and 8 are completed and operational to maximize use.
    - b. RP-3 & Declez Basin – Recycled water conveyance enhancements completed by December 2013, and beneficial use is realized in FY 2014/15.
    - c. Lower Day, Etiwanda Debris Basin & Etiwanda Conservation Basin – Currently, these projects are not in in the TYCIP; however, Lower Day can be implemented by FY 2017/18 and Etiwanda Debris Basin by FY 2021/22.
    - d. Infiltration rates based on historical storm flow and imported water flow to these basins. Actual infiltration rates may be lower when the basin is used on a long term basis.
    - e. No RWC limitations, since there is no history of underflow/storm flow diluent calculations or basin performance history.
- Low-Range (Wet Year) Recycled Water Recharge Assumptions, same as Mid-Range except:
    1. Recycled water recharge occurs 4 months of the year for Basins with infiltration rates  $\geq 0.5$  ft/day.
    2. Recycled water recharge occurs 2 months of the year for Basins with infiltration rates  $\leq 0.5$  ft/day.
    3. Imported water is not competing with recycled water for groundwater recharge.
  - High-Range (Dry Year) Recycled Water Recharge Assumptions, same as Mid-Range except:
    1. Recycled water recharge occurs 10 months of the year due to limited storm water recharge for Basins with infiltration rates  $\geq 0.5$  ft/day.
    2. Recycled water recharge occurs 7 months of the year due to limited storm water recharge for Basins with infiltration rates  $\leq 0.5$  ft/day.

The IEUA has also prepared cost projections for recycled water recharge. These go through 2015 and included in Table 2-9. The historical and projected recycled water recharge rate ranges about \$200 to \$300 per acre-ft less than the replenishment water service cost from Metropolitan over the 2011 through 2015 period.

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## Section 3 – Impacts of Revised Groundwater Production and Replenishment Projections

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The objectives of this section are to describe changed conditions from what was assumed in the 2010 RMPU and to update the information included in the 2010 RMPU. Specifically this section answers the following questions:

1. How are groundwater levels projected to change with the revised projections?
2. What areas in the basin are facing sustainability challenges?

In 2006 and 2007, Watermaster conducted extensive hydrologic and modeling investigations in support of the development of the Peace II Agreement and the facilities and basin operating strategies that are contained in the Peace II Agreement. And, Watermaster developed a sophisticated suite of computer simulation tools that are collectively referred to as the 2007 Watermaster Model. Based on these investigations, Wildermuth Environmental Inc. (WEI), Watermaster's consultant, concluded that:

- the safe yield of the Basin would likely decline from about 140,000 acre-ft/yr in 2006 to about 130,000 acre-ft/yr in 2030;
- projected future production may not be sustainable for some Appropriators due to excessive drawdown; and
- given Watermaster's traditional approach to replenishment operations, future production may have to be limited by Watermaster's existing replenishment capacity (WEI, 2007).

In 2008, Watermaster conducted a material physical injury analysis of the proposed Dry-Year Yield Expansion—using updated groundwater production projections provided by the IEUA—and reached identical conclusions regarding production sustainability and replenishment limitations (WEI, 2008a). However, in this analysis, WEI recommended additional work to optimize the location and magnitude of groundwater production and replenishment in order to maximize groundwater production capabilities.

The sustainability issue identified in these reports occurs because the municipal groundwater producers had not coordinated their future groundwater production plans that include new wells and increased production. In early 2009, the preparation of an environmental impact report PEIR for the Peace II Agreement commenced. Prior to evaluating the hydrologic changes that are expected to occur through the implementation of the Peace II Project Description, Watermaster conducted an analysis of existing and future projected groundwater production patterns and developed new groundwater production patterns and supplemental water recharge plans that ensure sustainability. These new groundwater production and replenishment patterns are based on optimization studies that were constrained to meet projected production requirements, to use existing and master-planned well locations, to use existing spreading basins and planned injection wells, and to balance recharge and discharge in every area and subarea (a Peace Agreement requirement). Watermaster requested that each



appropriator party provide an elevation at each well for which if the model-projected groundwater elevation remained above that elevation, groundwater production sustainability at that well would be assured. These elevations were referred to as sustainability metrics. The groundwater production patterns developed in this investigation are voluntary. This work was documented in *2009 Production Optimization and Evaluation of the Peace II Project Description* (WEI, 2009).

This section describes the results of an analysis similar to the 2009 investigation that uses the 2007 Watermaster Model with:

- updated groundwater production and replenishment projections for Scenario 1 and 3 (described in Section 2 herein),
- updated recycled water recharge projections,
- management zone specific supplemental water recharge plans, and
- updated sustainability metrics.

The Steering Committee stakeholders reviewed Scenarios 1 through 4 that are described in Section 2 and subsequently selected Scenarios 1 and 3 as the most representative scenarios to bookend the range of future groundwater production and replenishment.

Table 3-1 lists the location and magnitude of projected recycled water recharge, as provided by the IEUA.<sup>10</sup> Given the IEUA's recycled water recharge projection, supplemental water recharge was programmed for Scenarios 1 and 3 as follows:

- First priority – recycled water recharge in amounts and basins as projected by IEUA.
- Second priority – recycled and imported water were recharged in MZ1 at 6,500 acre-ft/yr.
- Third priority – if there was still a replenishment obligation after the recharge of imported water in MZ1, then imported water was recharged in the MZ3 spreading basins at a rate equal to the minimum of either the imported water recharge capacity or the remaining replenishment obligation.
- Forth priority – if there was still a replenishment obligation after the recharge capacity of the first three priorities has been exhausted, then imported water was recharged in the MZ2 spreading basins at a rate equal to the minimum of either the imported water recharge capacity or the remaining replenishment obligation.
- Fifth priority – if there was still a replenishment obligation after the recharge capacity of the first four priorities has been exhausted, then imported water was recharged in the MZ1 spreading basins at a rate equal to the minimum of either the remaining imported water recharge capacity or the remaining replenishment obligation.

<sup>10</sup> Mid-range estimate, email from Chris Berch, dated February 14, 2012

### 3.1 Summary of 2009 Peace II Modeling Results

Figure 3-1 illustrates the estimated groundwater elevation contours for July 2005 for model layer 1. This map shows the initial groundwater elevations throughout the basin and illustrates the initial groundwater levels for the planning period. Figures 3-2a and 3-2b show the projected groundwater elevations in June 2030, the end of the planning period, for model layer 1<sup>11</sup> for the Baseline (non-Peace II) alternative and the Peace II alternative respectively. And, Figures 3-3a and 3b show the change in groundwater levels across the basin for June 2030 for model layer 1 for the Baseline and Peace II alternatives. Figures 3-3a and 3-3b also show the appropriators' water service area boundaries.

Review of Figures 3-1, 3-2a, and 3-2b indicates that the direction of groundwater flow in the Chino Basin is generally the same in 2005 and 2030 with groundwater flowing from the northeast and north to the southwest and south. A small area in the western part of the basin experiences slight groundwater elevation increases while the rest of the basin experiences declines. The 2030 groundwater level projections for both alternatives show a significant pumping depression around the desalter well field area. The 2009 report included comparisons of projected groundwater level time histories at selected wells to their respective sustainability constraints in an appendix and based on a review of these time-history charts concluded that:

“The groundwater elevation projections in Appendix B and in Figures 4-13a through 4-13j show that groundwater production is sustainable for the Baseline and Peace II Alternatives. At some wells, the groundwater elevation falls below constraints prescribed by the appropriators. For these cases, it was assumed that the pumps would be lowered to maintain production.”

### 3.2 Basin Response to Updated Groundwater Production and Replenishment

Figure 3-4 illustrates the estimated groundwater elevation contours for July 2010 for model layer 1. This map shows the initial groundwater elevations throughout the basin and illustrates the initial groundwater levels for the planning period used to evaluate Scenarios 1 and 3. Figures 3-5a and 3-5b show the projected groundwater elevations in June 2030 (the end of the planning period) for model layer 1 for Scenarios 1 and 3, respectively. And, Figures 3-6a and 3-6b show the change in groundwater levels across the basin in June 2030 for model layer 1 for Scenarios 1 and 3, respectively. Figures 3-6a and 3-6b also show the appropriators' water service area boundaries.

The direction of groundwater flow in the Chino Basin in 2010 and 2030 is generally the same with groundwater flowing from the northeast and north to the southwest and south. Appendix A contains charts that illustrate the projected groundwater level time series for all the wells shown in Figures 3-6a and 3-6b along with their sustainability metrics. Appendix A

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<sup>11</sup> The model consists of three layers with layer 1 being the uppermost layer. With the exception of the western part of the basin, the piezometric head in layers 2 and 3 correlate and lag slightly compared to the head changes in layer 1; as such, only layer 1 is discussed herein.

also includes a table that lists these wells and their respective sustainability metrics. Table 3-2 characterizes the average, maximum, and minimum changes in groundwater elevations across the water service areas of appropriators that overlie the Chino Basin for Scenario 1 and 3 from 2010 through 2030.

The groundwater elevation projections shown in Appendix A indicate that production will be sustainable for most wells. At some wells, the groundwater elevation falls below the sustainability metric prescribed by the appropriators. For most of these cases, it was assumed that the pumps would be lowered to maintain production. The exception is the JCSD well field area. At some JCSD wells, the groundwater elevation falls below the sustainability metric provided by the JCSD, and the pumps cannot be lowered further because they are already in the well bottoms.

The maximum, minimum and average groundwater elevation changes, depicted in Table 3-2 for each municipal service area, were computed from all of the computed groundwater elevations at 200-foot by 200-foot model cells within each service area.

- Average change in groundwater level
  - For Scenario 1, the water service area average change groundwater level ranges from -11 feet for the Upland service area to -35 feet for the Ontario service area. Relative to the Peace II alternative, in 2030, the average change in groundwater elevation ranges from a low of +12 feet for the Upland service area to +34 feet for the Pomona service area.
  - For Scenario 3, the water service area average change groundwater level ranges from +3 feet for the Upland service area to -36 feet for the Ontario service area. Relative to the Peace II alternative, in 2030, the average change in groundwater elevation ranges from a low of +12 feet for the Upland service area to +34 feet for the Pomona service area.
  - The difference in the water service area average change groundwater level between Scenario 3 and Scenario 1 ranges from +4 feet for the Fontana Water Company service area to -14 feet for the City of Upland and Monte Vista Water District service areas.
  
- Maximum change in groundwater level
  - For Scenario 1, the maximum change in groundwater level at a model cell in a water service area<sup>12</sup> ranges from +4 feet for the City of Upland service area to -17 feet for the City of Pomona service area. Relative to the Peace II alternative, in 2030, the maximum change in groundwater elevation ranges

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<sup>12</sup> The maximum change is computed as the maximum change at a model cell and is not equal to the difference between the maximum elevations at a cell across scenarios unless the maximum occurs at the same model cell across the scenarios.

- from a low of +21 feet for the City of Upland service area to +44 feet for the Cities of Ontario and Pomona service areas.
- For Scenario 3, the maximum change in groundwater level at a model cell in a water service area ranges from -6 feet for the Fontana Water Company service area to 39 feet for the City of Upland service area. Relative to the Peace II alternative, in 2030, the maximum change in groundwater elevation ranges from a low of +15 feet for the City of Upland service area to +49 feet for the City of Ontario service area.
  - The difference in the maximum change in groundwater level in a water service area average between Scenario 3 and Scenario 1 ranges from +2 feet for the City of Upland service area to +11 feet for the JCSD service area.
- Minimum change in groundwater level
    - For Scenario 1, the minimum change in groundwater level at a model cell in a water service area<sup>13</sup> ranges from -25 feet for the City of Upland service area to -54 feet for the City of Ontario service area. Relative to the Peace II alternative, in 2030, the minimum change in groundwater elevation ranges from a low of +7 feet for the Cucamonga Valley Water District service area to -24 feet for the City of Upland and Monte Vista Water District service areas.
    - For Scenario 3, the minimum change in groundwater level at a model cell in a water service area ranges from -25 feet for the City of Upland service area to -54 feet for the City of Ontario service area. Relative to the Peace II alternative, in 2030, the minimum change in groundwater elevation ranges from a low of -18 feet for the City of Upland service area to -61 feet for the JCSD service area.
    - The difference in the minimum change in groundwater level in a water service area average between Scenario 3 and Scenario 1 ranges from +2 feet for the Fontana Water Company service area to -36 feet for the City of Upland service area.

Figure 2-4 shows the locations of flow-line based cross-section profiles through each of the management zones, through a part of the Chino II Desalter well field, and through part of the JCSD well field. These flow-line based cross-sections are shown in Figures 3-7a through 3-7e for MZ1 through MZ5, respectively. These figures are identical to Figures 2-5a through 2-5e except that 3-7a through 3-7e contain the model-estimated groundwater levels for Scenarios 1 and 3. The intent of these cross-sections is to show the saturated thickness through these cross-sections for 2010, 2020 and 2030, and wells located on or near these cross-sections. The horizontal red bars shown at most wells are the sustainability metrics provided by the well

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<sup>13</sup> The minimum change is computed as the minimum change at a model cell and is not equal to the difference between the minimum elevations at a cell across scenarios unless the minimum occurs at the same model cell across the scenarios.

owners. Groundwater production at wells is presumed to be sustainable if the groundwater level at the well is greater than the sustainability metric. If the groundwater level falls below the sustainability metric, the owner will either lower their pumping equipment in their well or will have to reduce production. Careful review of Appendix A and these cross-sections indicates that groundwater levels for some FWC wells and a CVWD well come close falling below their respective sustainability metrics (see Figures 3-7b and 3-7c). The pumping equipment in these wells will likely have to be lowered at some time in the future. Wells where pumping equipment may have to be lowered include the following:

- City of Chino – Well No. 5
- CVWD – Well No. CB-5
- FWC – Well Nos. F2A, F44A, F44B, F44C,
- City of Ontario – Well Nos. No. 24, 27, 31, 37, 38, 39, 44, 50
- CDA – Well Nos. CDA I-9, I-10, I-14, I-15, II-1

The groundwater levels at several JCSD wells are projected to be close to or fall below their respective sustainability metrics. Because the saturated thickness is thin in the JCSD well field and many of their pumps are already near the well bottoms, it would be difficult, and in some cases impossible, to lower the pumping equipment to assure sustainable production. This includes most of the wells used by the JCSD for potable water supply:

- JCSD – Well Nos. 6, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 25

### **3.3 Recharge and/or Forbearance Required to Achieve Sustainable Production**

The sustainability challenge for the JCSD wells was hydrologically evaluated by conducting a sensitivity analysis to determine how sensitive groundwater levels at the JCSD wells were to new recharge at facilities near the JCSD wells and to reductions in production by the JCSD. The following scenarios were evaluated:

- Scenario 1A – Same as Scenario 1 except that the planned JCSD production was reduced by 20 percent starting in 2017 with the reductions spread among the JCSD wells on a pro rata basis.
- Scenario 1B – Same as Scenario 1 except that recharge totaling 20 percent of the JCSD annual production is assumed to occur starting in 2017.
- Scenario 1C – Same as Scenario 1 except that the planned JCSD production was reduced by 50 percent starting in 2017 with the reductions spread among the JCSD wells on a pro rata basis.
- Scenario 1D – Same as Scenario 1 except that recharge totaling 50 percent of the JCSD annual production is assumed to occur starting in 2017.

- Scenario 3A – Same as Scenario 3 except that the planned JCSD production was reduced by 20 percent starting in 2017 with the reductions spread among the JCSD wells on a pro rata basis.
- Scenario 3B – Same as Scenario 3 except that recharge totaling 20 percent of the JCSD annual production is assumed to occur starting in 2017.
- Scenario 3C – Same as Scenario 3 except that the planned JCSD production was reduced by 50 percent starting in 2017 with the reductions spread among the JCSD wells on a pro rata basis.
- Scenario 3D – Same as Scenario 3 except that recharge totaling 50 percent of the JCSD annual production is assumed to occur starting in 2017.

Table 3-3 lists the assumed JCSD production and recharge for each scenario. The intent of these scenarios is determine whether a reduction in JCSD production, an increase in near-field recharge, or both activities will ensure sustainable production in the JCSD well field. For scenarios with reduced groundwater production, the reduced production would be offset through either imported water served to the JCSD or by groundwater produced elsewhere in the Basin and conveyed to the JCSD. New recharge for Scenarios 1B, 1D, 3B, and 3D was assumed to occur at the Wineville Basin. The storm and supplemental water recharge capacity of the Wineville Basin is unknown. Recharge could be also be done by injection at JCSD wells.

These scenarios were simulated with the 2007 Watermaster model, and the results are summarized as time history charts in Appendix B and in tabular form in Table A-1 in Appendix A. Review of these charts indicates the following:

- Most of the JCSD wells that failed the sustainability test in Scenarios 1 and 3 failed the test for some or most the scenarios investigated above; although, the failures that did occur occurred later for some of the wells, and some failures were marginal.
- Production from three of the twelve wells that failed the sustainability tests for Scenario 1 and production from two of the thirteen wells that failed the sustainability tests for Scenario 3 was projected to be sustainable with a reduction in JCSD production of twenty percent.
- Production from two of the twelve wells that failed the sustainability tests for Scenario 1 and production from one of the thirteen wells that failed the sustainability tests for Scenario 3 was projected to be sustainable with an increase in recharge at the Wineville Basin equal to twenty percent of the JCSD's annual production.
- Production from four of the twelve wells that failed the sustainability tests for Scenario 1 and production from four of the thirteen wells that failed the sustainability tests for Scenario 3 was projected to be sustainable with a reduction in production of fifty percent.
- Production from four of the twelve wells that failed the sustainability tests for Scenario 1 and production from four of the thirteen wells that failed the sustainability

tests for Scenario 3 was projected to be sustainable with an increase in recharge at the Wineville Basin equal to fifty percent of JCSD's annual production.

- Several wells that failed the sustainability test had projected groundwater levels from either decreased production or increased recharge that were close to passing the sustainability test.
- A twenty-percent and fifty-percent reduction in JCSD production are more hydraulically efficient at ensuring sustainability than increasing recharge at the Wineville Basin and not reducing production. In fact after 2017, the year that reductions in JCSD production was assumed to occur, production at almost all the wells that failed the sustainability test was projected to be sustainable or to marginally fail the test.

This sensitivity analysis suggests that reducing production or relocating production away from the JCSD well field is more hydraulically efficient than recharge. There are a lot of unknowns that will need to be resolved before imported water can be recharged at the Wineville Basin or other stormwater management facilities in the area. Watermaster and the IEUA are developing a proof-of-concept project to test the feasibility of large scale recharge in the Wineville Basin and exploring interagency agreements to relocate JCSD and CDA groundwater production to areas with greater production potential.

The sensitivity analysis also suggests that aquifer storage and recovery with injection totals up to fifty percent of JCSD production could ensure sustainability. Conceptual production and recharge alternatives are discussed in Section 6 and subsequent sections of this report.

## **Section 4 – Inventory of Existing Recharge Facilities and Their Capabilities**

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The objectives of this section are to describe existing recharge facilities and their capabilities and some new recharge concepts that were not included in the 2010 RMPU. Specifically this section answers the following questions:

1. What are the existing recharge facilities and what is their ability to recharge storm and supplemental waters?
2. What physically/institutionally limits the ability to recharge storm water at existing facilities and what improvements could be made to these facilities to capture more stormwater?
3. What physically/institutionally limits the supplemental water recharge capacity of the existing recharge facilities?
4. What are the implications of the most recent draft recycled water recharge regulations for the Chino Basin?
5. What is the recharge capacity of existing ASR facilities in the Chino Basin?
6. What is the projected in-lieu recharge capacity in the Basin and what limits it?

### **4.1 Existing Spreading Basins and Their Capacities**

As outlined as one of the goals of the Optimum Basin Management Program (OBMP), Watermaster and the IEUA partnered with the San Bernardino County Flood Control District (SBCFCD) and Chino Basin Water Conservation District to construct and/or improve eighteen recharge sites. This project, known as the Chino Basin Facilities Improvement Project (CBFIP), anticipated a total potential recharge capacity of 130,000 acre-ft/yr. This value was derived from the original design infiltration estimates for each site, anticipated stormwater capture, reliable availability of imported water, and a recycled water contribution limit of 20 percent for each basin. The potential recharge capacity for each basin and each type of water supply, as developed as part of the CBFIP, is provided in Table 4-1 for further reference. As part of the CBFIP, significant improvements were made to each recharge site to enhance water conveyance, recharge capabilities, data collection, and monitoring.

Water conveyance improvements included various new water supply connections and diversions. Through the expansion of the IEUA recycled water distribution system, turnouts were connected to eleven of the eighteen sites. Similarly, as part of the CBFIP, several imported water turnouts were modified and/or constructed along Metropolitan's Rialto Feeder pipeline. Stormwater conveyance improvements were made through the installation of in-channel diversion structures, such as rubber dams and grated drop inlets.

Recharge capability improvements primarily consisted of removal of fine grained deposits from within the basin and the construction of internal levies. Many of these sites were not maintained for the purpose of recharge and were therefore sealed with fine grained sediments that were deposited at the bottom of the basins during the many years of stormwater retention and release operations. This project removed these sediments and restored the base and side

slopes of the basins in a condition that best meets the recharge needs of the project. At several sites, internal levies were constructed to enhance the capture and storage capacity of the basin as well as to better manage the maintenance and recharge of each basin.

A key component to the CBFIP was the development and installation of a state-of-the-art Supervisory Control and Data Acquisition (SCADA) system and corresponding field instrumentation. The field instrumentation included a variety of level sensors, automated gates/valves, pumps, and flow meters. Using the SCADA system, staff can access field equipment and data from a laptop and make required field changes. The SCADA has also enabled Watermaster and the IEUA to conduct detailed analysis of recharge performance.

#### **4.1.1 Spreading Facilities**

The CBFIP sites are located primarily in the northern portion of the Chino Basin and are spread from the San Antonio channel on the west to the base of the Jurupa Mountains on the east. In addition to being tracked on a regional basis, recharge operations are tracked and managed within three distinct management zones. The locations of the eighteen sites within their corresponding management zones are shown in Figure 2-10. As water supplies can be preferentially delivered to recharge facilities located within a specific management zone, Watermaster will set priorities based on basin and sub-basin recharge needs.

There are two primary types of recharge basins within the CBFIP: conservation and multipurpose basins. Conservation basins are operated to recharge storm and supplemental water (ten sites). Multipurpose basins are operated primarily for flood peak discharge attenuation and secondarily for the recharge of storm and supplemental water (eight sites).

The CBFIP consisted of approximately \$50M in improvements throughout the Chino Basin. Approximately 50 percent of these improvements were funded through grant proceeds from the State Water Resources Control Board. The remaining 50 percent was funded equally by the IEUA and Watermaster. Through the first seven years of operation, it is estimated that the project facilities have resulted in the recharge of nearly \$52,000,000 of water into the Chino Basin. A summary of the value of water recharged by type and fiscal year is outlined in Table 4-2.

#### **4.1.2 Spreading Basin Recharge Performance**

Since initiation in 2005, data has been tracked closely for recharge of all types of water at each site. To date, the project has accounted for more than 200,000 AF of recharge into the Chino Basin. The historical recharge for each basin, in total and on average, is summarized in Tables 4-3 and 4-4, respectively.

During this same time frame (2005-2012), recharge by management zone has also been tracked. Recharge by management zone is part of the Peace Agreement and OBMP and a critical component when considering known concerns of pumping depressions, subsidence, water quality, and changing water levels throughout the Chino Basin. Figures 4-1 and 4-2

show average recharge by management zone and type from 2005 to the most recent full year of data (2011). As evident in these figures, the MZ1 recharge requirement of 6,500 acre-ft/yr has been met on an average if not annual basis, and in recent years, recharge within MZ3 has increased.

Through the evaluation of the collected recharge data, it was generally observed that the actual recharge rates have been lower than those planned during design of the CBFIP. The reduced recharge rates have been primarily attributed to reduced infiltration rates due to compaction or clogging of the basin surface with fine sediments or biological growth. A summary of the planned and actual infiltration rates, measured in feet per day, is shown in Figure 4-3.

The most effective way to keep infiltration rates maximized at each site is through a well-planned and managed maintenance program. The existing maintenance program is funded by Watermaster and the IEUA and is proposed in March of the year prior to the planned fiscal year. Contractually, Watermaster's share of funding is based on the actual storm and imported water recharged at each basin plus related turnout and habitat mitigation commitments, while the IEUA's share is based on recycled water recharge at each basin. In practice, Watermaster funding is typically based on what is available through Watermaster assessments, which is generally consistent with the prior year's budget. Basin maintenance is therefore prioritized based on available funds and has not been based on the economic merits of rehabilitated recharge potentials.

Through an evaluation of the historical recharge volumes and infiltration rates, several basins have been identified as impediments in meeting the original project potential capacity. A few of the key facilities are outlined below.

#### **4.1.2.1 Banana & Hickory Basins**

Although designated as separate basins, the Banana and Hickory Basins are within 1/2 mile and share various water supply sources, channels, and pipelines, and have similar geological characteristics. These basins were anticipated to have infiltration rates between 1.5 and 2.0 feet per day for a combined recharge volume of up to 11,600 acre-ft/yr. However, the historical infiltration rates have averaged approximately 0.5 feet per day for both sites with an average total recharge of 1,300 acre-ft/yr.

#### **4.1.2.2 Etiwanda Debris Basin**

The Etiwanda Debris Basin recently underwent a series of environmental restoration improvements by the SBCFCD. These improvements resulted in rerouting of native and imported water recharge areas. Although the average infiltration rate of 1 feet per day is less than the planned 3 feet per day, post improvement infiltration rates are closer to 0.5 feet per day.

#### 4.1.2.3 Upland Basin

The Upland Basin is a critical flood control facility for the City of Upland. As a required condition of the site development, a buttress was constructed on several sides of the basin. It is suspected that the recharge capacity of the basin was significantly affected by the depth of the basin and the compaction of the side wall sediments.

It is also important to note that the original potential capacities for these sites were based on modeled stormwater flows and the availability of imported water supplies.

*Stormwater:* As data has become available, the stormwater flow projections have been further refined. Based on the maximum recharge year for each basin, over 19,000 AF of stormwater was captured and recharged (92% of planned recharge capacity).

*Imported Water:* It is anticipated that nearly 70% of the total anticipated recharge was through the spreading of imported water purchased through Metropolitan. Historically, it was anticipated that this water would be available 7 out of every 10 years. Starting in 2008, it became apparent that imported water would be available much less often (less than 3 out of every 10 years) and that the focus of the CBFIP should be primarily on the recharge of stormwater and recycled water.

Within the Chino Basin, there are several channel drainage systems that feed various recharge sites. Evaluating the historical data and performance of each recharge site, each recharge drainage system was reviewed to determine if the capture and recharge of various types of water were maximized. Figures 4-4 through 4-13 (attached) summarize the findings of recharge performance/limitations for each drainage system.

Watermaster has an existing appropriative water right permit from the State Water Resources Control Board, Division of Water Rights. Permit No. 21225 was issued on October 9, 2008 in response to Application No. 31369. The permit allows the diversion of surface water flowing in a channel for purposes of groundwater recharge within the boundaries of the area administered by Watermaster. The water appropriated is limited to the quantity that can be beneficially used for purposes of industrial, irrigation, stock watering (dairy use), or municipal use. The total combined amount taken by direct diversion and storage during any one year is 68,500 acre-feet. The permit lists 29 intended points of diversion into recharge basins from the various Chino Basin creek systems.

The permit requires that 68,500 acre-ft/yr of stormwater be put to beneficial use by December 31, 2075. Water which is not put to beneficial use by that date is no longer authorized to be diverted. Waste or unreasonable use of water or unreasonable method of diversion and use of the water is not allowed. Over the past six years (July 2005 to June 2011), an average of approximately 11,000 acre-ft/yr of stormwater has been diverted for recharge. The minimum and maximum amounts diverted were 4,734 acre-ft/yr and 17,051 acre-ft/yr, respectively.

### 4.1.3 Historical Spreading of Supplemental Water

Supplemental water recharge in the Chino Basin can either be imported water or recycled water. Imported water is used for replenishment purposes to offset overproduction of the basin, and recycled water is assigned (pro-rata) to the IEUA agencies that provide wastewater. Imported water comes from the State Water Project (SWP) via Metropolitan/the IEUA, and recycled water is delivered by the IEUA. This imported and recycled water is delivered to the recharge basins through several locations, as shown in Figure 2-10 and 2-11.

#### 4.1.3.1 Imported Water

Historically, Watermaster purchases replenishment water when one or more of the parties overproduces. Watermaster has traditionally met its replenishment obligations by purchasing imported water from Metropolitan (replenishment water service) and unproduced groundwater from the appropriators. In the recent past, Metropolitan was typically able to supply all of the replenishment needs in its service area with replenishment water service, which was estimated to be available seven out of ten years. Recent court rulings regarding endangered species and the drought have severely limited the ability of Metropolitan and other SWP contractors to obtain SWP water. In 2008, Metropolitan provided a revised replenishment water service forecast, projecting that replenishment water would be available three out of ten years.

Watermaster has an obligation under the Judgment to provide replenishment water for overproduction in the prior year<sup>14</sup> with the cost borne mostly or entirely by the overproducing party. Because of a recent Metropolitan proposal to eliminate the replenishment program and discounted rate, Watermaster will have to acquire new non-traditional supplemental water supplies for replenishment. These non-traditional supplemental water supplies could consist of Metropolitan Tier I and Tier II service waters, non-IEUA recycled water, and other imported supplies from the Central Valley, the Colorado River, and other areas.

#### 4.1.3.2 Recycled Water

In 2005, the IEUA initiated an aggressive recycled water reuse program for its service area. Under this program, most of the recycled water produced in the IEUA service area will be directly reused for irrigation, landscaping, and other direct reuse purposes. The remaining recycled water is recharged at selected spreading basins.

Recycled water recharge is not used to satisfy replenishment obligations. Instead, it is recharged into the basin and subsequently assigned to certain appropriator parties' supplemental storage accounts, thereby potentially increasing the appropriators' production rights and reducing their future replenishment liabilities. Watermaster assigns recharged recycled water to appropriators based on the relative sewage contributions of the appropriators to the IEUA.

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<sup>14</sup> Judgment, paragraph 45

#### **4.1.4 Increase in Recharge from Operational and Minor Facility Improvements**

As part of the review of the 2010 GWRMP Update, several additional operational and minor facility improvements were identified as potential opportunities to quickly enhance recharge within the Chino Basin. These enhancements are generally broken down into the following categories.

##### **4.1.4.1 Internal Berms**

- San Sevaine Basin – construction of internal berms within basin 5 would enable a larger portion of the basin floor to be wet, therefore increasing stormwater capture and recharge.
- College Heights Basins – the construction of internal berms (E-W) within basins will better spread recharge within the basin and is anticipated to reduce the potential of site seepage to the west.

##### **4.1.4.2 Basin Rehabilitation**

- Etiwanda Debris Basin – less than expected infiltration rates have been observed. Ripping of the basin and rebuilding of an internal berm would enhance capture and recharge.

##### **4.1.4.3 Conveyance Improvements**

- Jurupa Basin – the pump station at Jurupa Basin currently has only one pump that supplies a maximum delivery of 10 cfs of imported or stormwater to RP-3. The facility was constructed with an empty bay for a second pump. Installation of the second pump would enable the facility to capture all flows from the San Sevaine channel.
- Montclair Basins – as part of the CBFIP, it was originally planned to automate the inlet gate into Montclair Basin No. 1 as well as to construct an inlet from the San Antonio channel into Montclair Basin Nos. 2 or 3. These improvements would enable the Montclair Basin to make inlet adjustments remotely and ensure that diversion could remain in effect during maintenance activities.

In addition to the abovementioned operational and minor facility improvements, the following projects have been identified as viable opportunities to promote recharge with only minor improvements.

- Wineville Basin<sup>15</sup> – as outlined in detail within the 2010 GWRMP Update, Wineville Basin is a very large basin with outstanding conveyance infrastructure (flow through

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<sup>15</sup> The Wineville Basin project was identified in the 2010 RMPU. The project described herein is part of reduced project that was described as “proof of concept” project to assess the infiltration characteristics and feasibility of

stormwater basin with upstream recycled water and imported water turnout facilities). It is proposed that as a short term improvement, a dirt berm be installed in this basin to promote water storage and recharge.

- Princeton Basin – this basin is a flow through basin that currently receives water released from 8th Street Basins prior to being recaptured at Ely Basin. Enhancement of this site would include minor grading and rehabilitation and would help relieve the heavy hydraulic loading to Ely Basin.

The Wineville Basin and Princeton Basin projects, mentioned above, are only two examples of numerous additional potential recharge basins within the service area. There are additional recharge basins that were not a part of the original eighteen CBFIP basins that have been identified by individual parties (i.e. recharge basins in Fontana). These additional stormwater retention basins are not owned by any of the existing parties to the Four-Party Agreement; however, these additional recharge opportunities will be pursued with the required coordination and agreements, if determined feasible. There are presently no estimates of increased storm or supplemental recharge capacity from the implementation of these projects.

#### **4.1.5 Impact of Anticipated Changes in the Draft Title 22 Rules for Groundwater Recharge with Recycled Water**

The California Department of Public Health (CDPH) is responsible for the development of regulations for the use of recycled water for groundwater recharge. The CDPH works with the local Regional Water Quality Control Board (RWQCB) to issue site-specific permits. The IEUA and Watermaster currently have 13 sites that are permitted through the RWQCB (Order No. R8-2007-0039) for groundwater recharge of recycled water.

In 2010, Senate Bill 918 was enacted, which required the CDPH to adopt uniform water recycling criteria for groundwater recharge (using recycled water) by December 31, 2013. Following the release of new proposed recycled water groundwater recharge regulations, the CDPH initiated a series of workshops in late 2011. Key changes to the proposed regulations included additional monitoring (type and frequency), diluent water characterization, and travel time determination.

Based on these proposed changes, the primary change of concern that could affect recharge capabilities for new recharge projects is the diluent water characterization. The new regulations infer that stormwater will be regulated to meet MCLs. If MCLs are not met, the water cannot be used as diluent water when calculating the allowable recycled water contribution for that specific basin, hence reducing potential recycled water deliveries.

It is not expected that the requirements within the proposed regulations would affect the IEUA/Watermaster, as they are operating under an existing Order. In the event that the CDPH or the RWQCB identifies components of the Order that do not adequately meet

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the project identified in the 2010RMPU. The suggestion herein is that the proof of concept project could be the final project.

public health targets, portions of all of the new regulations could be imposed on the IEUA/Watermaster.

## **4.2 Other Recharge/Storage Management Methods**

### **4.2.1 In-Lieu Recharge**

In-lieu recharge occurs when a water purveyor with production rights in the Chino Basin elects to use supplemental water (typically imported water) in-lieu of pumping Chino Basin groundwater. The unproduced Chino Basin groundwater is reclassified as supplemental water pursuant to the Judgment and can be used to satisfy a replenishment obligation by an equal amount. In-lieu recharge has proven to be a more feasible form of recharging the Chino Basin than constructing recharge basins or aquifer storage and recovery (ASR) wells. However, it typically requires economic incentives that are not always available to entice participation.

### **4.2.2 Existing In-lieu Recharge Capacity**

The in-lieu recharge capacities estimated during the Dry Year Yield Program Expansion in 2008 range from 25,000 to 40,000 acre-ft/yr (Black & Veatch, 2008). The only other major Chino Basin groundwater producer that also receives imported water is the Fontana Water Company (FWC). Based on FWC imported water capacity, Chino Basin groundwater production capacity, and historical demands, it is estimated that another 5,000 to 10,000 acre-ft/yr of in-lieu potential could theoretically be added. This would give a total of 30,000 to 50,000 acre-ft/yr of estimated in-lieu potential for the Chino Basin.

### **4.2.3 Historical In-lieu Recharge**

The Chino Basin has taken imported water in-lieu of groundwater production through a number of conjunctive use programs provided by Metropolitan (i.e. Replenishment, Cyclic, Trust Storage/Forbearance, and Dry Year Yield). All four programs have provided water to the Chino Basin in years when Metropolitan has surplus supplies; this water is then pumped out at a later date when Metropolitan has limited supplies. Each program has slightly different supply costs and incentives, but all programs increase local supplies to the Chino Basin that can be used in times of imported water shortages. Since 1978, an estimated 350,000 AF of imported water has come into the Chino Basin through in-lieu methods.

### **4.2.4 Increase in In-lieu Recharge Capacity from Operational and Minor Facility Improvements**

As described above, historically there are several programs that Chino Basin parties have participated in that have brought surplus water into the basin via in-lieu. However, the parties have other local resources (i.e. groundwater, surface water, desalter water, and recycled water) that provide additional opportunities to bring surplus water into the basin through in-lieu methods. Below are few examples of potential in-lieu opportunities within the Chino Basin.

- Potable Water Interconnections – between the JCSD and the City of Ontario, the CVWD, and the Fontana Water Company (FWC).<sup>16</sup> Existing or constructed potable water interconnections between agencies (i.e. the CVWD, Ontario, the FWC, and the JCSD) can be utilized to deliver surplus surface water, other groundwater, or imported water in-lieu of Chino Basin groundwater production. This would achieve replenishment and improve the balance of recharge and discharge in management zones of concern by decreasing the JCSD’s groundwater production.
- Desalter Production Reallocation – i.e. more to the JCSD. Desalter production could be reallocated to the JCSD, from any other CDA agency, in-lieu of Chino Basin groundwater production, which would achieve replenishment and improve the balance of recharge and discharge in the JCSD area.
- Metropolitan Improvements – i.e. Riverside/Corona feeder. The Riverside/Corona Feeder could supply treated SWP water to the JCSD in-lieu of groundwater production, which would achieve replenishment and improve the balance of recharge and discharge in the JCSD area.

### 4.3 Existing ASR Capacity

ASR wells are usually wells that function as injection and recovery wells. Water treated to drinking water standards is injected into an aquifer when surplus water is available and recovered later when needed. The only existing ASR wells in the Chino Basin are owned and operated by Monte Vista Water District (MVWD). Typically, the MVWD can recharge up to 3,500 acre-ft/yr (can be as high as 5,400 acre-ft/yr, depending on maintenance schedules) of treated SWP water by injection at its wells—4, 30, 32, and 33 (ASR project)—and subsequently recover most this water within the same year. Injection has generally occurred in the seven-month period of October through April, and recovery has generally occurred in the five-month period of May through September. Table 4-5 lists the MVWD ASR wells and their respective injection and extraction capacities.

Through the RMPU process, four additional ASR projects were identified that could be used to increase the supplemental water recharge capacity of the Chino Basin, to provide Watermaster additional recharge capacity during the rainy season, and to provide Watermaster with another tool to balance recharge and discharge pursuant to the Peace Agreement.

These ASR projects would include the conversion of existing production wells or the construction of new wells within each service area. These facilities would be owned and operated by the individual agencies. These projects would not only provide additional water supply but increase the supplemental water recharge capacity of the Chino Basin and reduce

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<sup>16</sup> In-lieu recharge requires that a party have a supplemental supply and possession of groundwater production rights. The Fontana Water Company’s share of operating safe yield is about .009 percent and is likely too small to affect significant in-lieu recharge. However, an interconnection with the JCSD could be used for in-lieu recharge by the JCSD forgoing the production of some of its production rights and would provide significant benefits to the JCSD.

the groundwater level impacts of reoperation in each service area. In addition, they will provide Watermaster with more wintertime recharge capacity when its recharge basins are being used to recharge stormwater. Table 4-6 shows the existing and potential ASR injection capacities.

#### **4.4 Total Supplemental Recharge Capacity**

The 2010 RMPU evaluated the frequency of storms and runoff into recharge facilities that also recharge imported water and determined that the supplemental water recharge capacity of the existing spreading basins is about 99,000 acre-ft/yr but is limited to about 83,100 acre-ft/yr due to turnout limitations on the Rialto Pipeline. Existing ASR capacity for supplemental water recharge is about 3,500 acre-ft/yr. The total wet-water recharge capacity (supplemental water recharge capacity in spreading basins + ASR recharge capacity) is 86,600 acre-ft yr. In-lieu recharge capacity ranges from about 25,000 to 40,000 acre-ft/yr. In-lieu recharge can be used to improve the balance of recharge and discharge in the basin. The total supplemental water recharge capacity (supplemental water recharge capacity in spreading basins + ASR recharge capacity + in-lieu capacity) ranges from 111,600 to 126,600 acre-ft yr.

## Section 5 – Recharge Resulting from MS4 Permits

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## **Section 6 – Recharge Options to Improve Yield and Assure Sustainability**

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## Section 7 – Evaluation Criteria

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## Section 8 – Recommended Recharge Master Plan Update Options

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## Section 9 – Recommended Schedule and Financing Plan

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## Section 10 – References

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**Appendix A**

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**Projected Groundwater Elevation Time Series  
for Selected Wells for Scenarios 1 and 3e**

## **Appendix B**

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**Projected Groundwater Elevation Time Series for  
JCSD Wells for Scenarios 1, 1A-1D, 3 and 3A-3D**

## **RECHARGE MASTER PLAN UPDATE**

***Appendices A and B to the Final Draft are the Tables  
and Figures for sections 1-4***

Can be found on the following link:

[www.cbwm.org/ftp](http://www.cbwm.org/ftp)

**PLEASE LOOK IN THE FOLDER:  
MEETINGS, PACKAGES, AND AGENDAS  
FOR THE PDF TITLED:**

**20120510 Appendix A**

**20120510 Appendix B**

**20120512 Section 2, 3, 4 Figures and Tables**

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## **Appendix C**

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### **Stakeholder Comments on Sections 1 through 4 and Responses**

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COMMENTS AND RESPONSES

C.1 CITY OF CHINO (DAVE CROSLEY)

| Comment Number | Page Reference                             | Comment   | Response  |
|----------------|--|---|---|
| 1              | Section 2, top of page 22 and to Table 2-3 | I thought I should touch base with you on one circumstance to make certain there is no misunderstanding. Refer to the top of page 22 and to Table 2-3, where projected Ag and Appropriator demands are described. The numbers described for Chino are correct ... we do plan to produce as described. However, because we supply a large amount of water to Ag folks, the WM accounting and assessment process regards Chino's production as having been produced by the Ag Pool. In other words, the summarized assessment package will not readily support the numbers (at least for Chino) in Table 2-3. One must dive deep into the assessment package back-up data to understand that water reported in the assessment package as having been produced by the Ag Pool was actually produced by Chino wells. (I think you already know this.) | Thank you for your comment. Table 2-3 shows actual and projected actual production. The fact that the City may provide recycled water to members of the agricultural pool in-lieu of the agricultural pool member's production of groundwater is not accounted for in Table 2-3 or Scenarios 1 through 4. |

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COMMENTS AND RESPONSES

C.2 CITY OF CHINO HILLS (MIKE MAESTAS)

| Comment Number | Page Reference in the December Draft                  | Comment   | Response |     |            |     |         |     |         |     |   |
|----------------|---|---|----------|-----|------------|-----|---------|-----|---------|-----|---|
| 1              | Appendix A, Table A1 and associated tables and charts | <p>Following is a list of our wells and the pump setting elevations to be used for your matrix. For sustainability. Please apply the pump setting elevations plus 20-feet. Thank you.</p> <table> <tr> <td>Well 1A</td> <td>383</td> </tr> <tr> <td>Well 7A/7B</td> <td>443</td> </tr> <tr> <td>Well 15</td> <td>383</td> </tr> <tr> <td>Well 17</td> <td>172</td> </tr> </table> | Well 1A  | 383 | Well 7A/7B | 443 | Well 15 | 383 | Well 17 | 172 | Thank you. The tables, charts and text have been updated to reflect this information. |
| Well 1A        | 383   |   |          |     |            |     |         |     |         |     |   |
| Well 7A/7B     | 443   |   |          |     |            |     |         |     |         |     |   |
| Well 15        | 383   |   |          |     |            |     |         |     |         |     |   |
| Well 17        | 172   |   |          |     |            |     |         |     |         |     |   |

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COMMENTS AND RESPONSES

C.3 CHINO DESALTER AUTHORITY (BRIAN DICKINSON)

| Comment Number | Page Reference  | Comment   | Response  |
|----------------|---|---|---|
| 1              | Appendix A, Table A1 and associated tables and charts | Today we had a TAC meeting to discuss our well sustainability criteria which was originally submitted to Wildermuth Environmental. Through group discussion we came to a consensus that the CDA criteria should be set at top of pump plus 40-feet. | Thank you. The tables, charts and text have been updated to reflect this information. |

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## COMMENTS AND RESPONSES

## C.4 JURUPA COMMUNITY SERVICES DISTRICT (THOMAS HARDER AND COMPANY )

| Comment Number | Page Reference                | Comment  | Response   |
|----------------|-------------------------------|--|--|
| 1              | Section 1 general comment     | This section essentially duplicates Chapter 2 of the 2010 Recharge Master Plan. We appreciate the addition of the Watermaster Board directive from the December 15, 2011 Board meeting.  | Comment noted. The intent of Section 1 is to present a complete introduction including the original intent of the 2007 Court Order regarding the 2010 Recharge Master Plan Update and the decisions and actions that led the Watermaster and the IEUA to the current effort. |
| 2              | Page 12, second paragraph.    | This paragraph refers to groundwater elevation contour maps for fall 2000 and fall 2010. However, Figures 2-1a and 2-1b are labeled as spring 2000 and spring 2010, respectively.  | Thank you for the observation. The text was revised to use spring instead of fall.   |
| 3              | Figures 2-1a and 2-1b.        | I recommend showing a groundwater flow direction arrow on these figures to illustrate the flow direction.  | Comment noted.   |
| 4              | Page 20, first full paragraph | It appears the reference to Figure 2-7 should be Figure 2-8 Storage in the Chino Basin.  | Thank you for the observation. The text was revised.   |
| 5              | Page 23                       | This section becomes the basis for basin operation scenarios analyzed with the groundwater flow model. However, it is not obvious which scenarios are being described and where. I suggest subheadings before the paragraphs that describe the scenarios so we have an easy reference. I would like the subheadings to clearly label the | Thank you for the observation. Headings were added. Text clarifying the location and magnitude of replenishment and recharge were added to Section 3.  |

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| Comment Number | Page Reference                                     | Comment  | Response   |
|----------------|--|--|--|
|                |  | <p>scenario with descriptive information as appropriate (e.g. Scenario 1 – Baseline Scenario).</p> <p>I also recommend a summary table of the basin operation scenarios. Although Tables 2-4 through 2-7 provide great numerical detail of the scenarios, it would be beneficial to have a brief synopsis of each scenario on a single table.</p> <p>Somewhere in the description of scenarios, there needs to be a description of assumptions regarding artificial recharge amounts and distribution in the basin through the planning period (scenario-specific if appropriate).</p> |  |
| 6              | Page 26, third paragraph                           | It appears the reference to Figure 2-8 should be Figure 2-9.   | Thank you for the observation. The text was revised.                           |
| 7              | Page 27, second bullet near the bottom of the page | I recommend revising the first sentence of this bullet to read, "For the Chino Basin as a whole, no new recharge facilities or new sources of replenishment water will be required to meet future replenishment obligations, as required by the Judgment."   | Comment noted.   |
| 8              | Page 29, first paragraph, last sentence            | This sentence is unclear.  | Thank you for the observation. The figure number was changed from 2-9 to 2-10. |



P252

| Comment Number | Page Reference                          | Comment  | Response  |
|----------------|---|--|---|
| 9              | Page 29, second paragraph               | It is my understanding that the Metropolitan Water District (MWD) rate increase will be 5 percent in 2012/13, not 7.5 percent.   | Thank you for the observation. The text was revised. The Metropolitan Board approved this lesser rate increase after this text was prepared.  |
| 10             | Page 29, third paragraph                | The last sentence appears to reference the wrong table (should be Table 2-10, not 2-11).   | Thank you for the observation. The text was revised.  |
| 11             | Page 29, bullet at the end of page      | No. 5 is unclear.  | The maximum infiltration rate occurs just post cleaning. A footnote has been added to make this clearer.  |
| 12             | Page 30, Number 7                       | "...2012/12 10-yr Capital Improvement Program:" Should this be 2012/22?  | Comment appreciated and text revised  |
| 13             | Page 30, last bullet, Number 2          | The reference should be to infiltration rates <0.5 ft/day.   | Thank you for the observation. The text was revised.  |
| 14             | Page 32, second paragraph, first bullet | Scenarios 1 and 3 are analyzed and presented in the report. However, Scenario 4, which results in the greatest decrease in groundwater storage at the end of the planning period (see Table 2-7) is not addressed or analyzed. It was my understanding that the four scenarios represented the "book-ends" of potential production sensitivity. If we are not going to analyze and present the worst-case scenario, then we should provide an explanation. | The stakeholders in the Watermaster-IEUA Steering Committee process agreed, without dissention, that Scenarios 1 and 3 would be used to bookend the production and replenishment projections. Text has been added to make this clearer. |
| 15             | Page 33,                                | Revise the last sentence to read "At some JCSD   | The text of the report was revised in response to this  |



P253

| Comment Number | Page Reference   | Comment   | Response  |
|----------------|--|---|---|
|                | <p>third paragraph under "Basin Response to Updated Groundwater Production and Replenishment."</p> | <p>wells, the groundwater elevation falls below the sustainability metric provided by the JCSD and the pumps cannot be lowered further because they are already in the bottom of the wells."</p>  | <p>Thank you for the observation. The text has been revised to incorporate this refinement.</p>   |
| <p>16</p>      | <p>Series of bullets starting on page 33 and running through 35</p>                                | <p>Pgs. 33 through 35 bullets. This section is confusing. I suggest simplifying the discussion based on Figures 3-6a and 3-6b.</p> <p>It is noted from Figures 3-6a and 3-6b that groundwater levels are projected to decline throughout most of the basin for both scenarios. It is further noted that sustainability metrics are exceeded in various places of Ontario and Fontana in both scenarios. This needs to be more closely scrutinized when evaluating the option of relocating JCSD pumping in other parts of the basin.</p> <p>It is also noted that groundwater levels rise in the Pomona/Monte Vista Water District area in Scenario 3. Are the artificial recharge assumptions for this scenario different from those of Scenario 1 (see above comment regarding Pg. 23)?</p> | <p>Comment note. As to your specific question (and as stated above in response to comment number 5, text was added to describe the location and magnitude of replenishment and recharge. The algorithm used to establish the location and rate of recharge is consistent among all scenarios although the location and rate of recharge varies among the scenarios.</p> |



P254

| Comment Number | Page Reference                          | Comment   | Response   |
|----------------|---|---|--|
|                | Page 35, bullet near bottom of the page | The last bullet references Chino Basin Desalter Authority (CDA) wells. However, it is noted that the CDA has developed new sustainability metrics that may increase the number of wells shown here.   | We received revised sustainability metrics from the CDA on April 25, 2012 which was after the draft on which you are commenting. Text was revised as appropriate.  |
| 17             | Page 35, last paragraph                 | Pg. 35, last paragraph. Revise 2nd sentence to read "Because the saturated thickness is thin in the JCSD well field and many of their pumps are already near the bottoms of the wells, it would be difficult, and in some cases impossible, to lower the pumping equipment to assure sustainable production." | Thank you for the observation. The text has been revised to incorporate this refinement.   |
| 18             | Page 36, last paragraph, third sentence | As discussed above, supplying JCSD with groundwater pumped from another part of the basin may not be advised or even feasible.  | It's not clear what discussion "above" the commenter is referring to. The advisability and feasibility of producing groundwater elsewhere in the basin and conveying that water to JCSD may be an important management option and it will be addressed in Section 6 and subsequent sections of this report.                                    |
| 19             | Page 37, last bullet                    | This statement is unclear.  | Comment noted  |
| 20             | Page 37, last paragraph                 | The sensitivity analysis does not address relocating production away from the JCSD well field because this production was not replaced elsewhere in the model during the scenario. If it was, please provide a description of the distribution of replacement production.                                     | Forbearance by the JCSD was simulated by reducing production in the JCSD well field only. The location in the Chino Basin of the replacement production will be evaluated in Section 6 and subsequent sections of this report. The modeling results clearly show that most of the sustainable production challenge faced by the JCSD is due to |



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| Comment Number | Page Reference                                   | Comment   | Response   |
|----------------|--|---|--|
|                |  |   | the location and density of the JCSD wells and the magnitude production at the JCSD wells.   |
| 21             | Page 38, last paragraph, second to last sentence | This sentence is unclear. Furthermore, the inference that Aquifer Storage and Recovery (ASR) wells were evaluated in the sensitivity analysis is not true. It is my understanding that scenarios involved reducing JCSD production or increasing recharge in Wineville Basin, not injecting water at specific locations designated as ASR wells. Further, injecting at a rate that is half of JCSD's production (approximately 9,000 acre-ft/yr) may not be feasible or cost effective. At this point, ASR wells should only be mentioned as one option of an overall solution. | Thank you for the observation. . The text has been revised for clarity by replacing the phrase "fifty-percent of the total recharge" to "fifty-percent of JCSD production". The basis of the suggestion that recharge at the JCSD wells annually with up to fifty percent of the annual JCSD production comes from the fifty-percent forbearance simulations (Scenarios 1C and 3C, with fifty-percent forbearance of projected JCSD production). It is appropriate to include ASR in this section as a possible alternative that should be explored in Section 6 and subsequent sections of this report. |
| 22             | Page 47, first bullet                            | Suggest adding Fontana Water Company as a potential interconnection party.  | Thank you for the observation. As titled, this subsection discusses in-lieu recharge. In-lieu recharge requires that a party have a supplemental supply and possession of groundwater production rights. The Fontana Water Company's share of operating safe yield is about .009 percent and is likely too small to affect significant in-lieu recharge. However an interconnection with the JCSD could be used for in-lieu recharge by the JCSD forgoing production of some of its production rights provide significant benefits to the JCSD.  |
| 23             | Page 47, second                                  | It appears that the intent of this is reallocation of desalter production and not an increase in overall  | Thank you for the observation. The text has been   |



| Comment Number | Page Reference    | Comment   | Response                                |
|----------------|-------------------|---|---|
|                | bullet            | desalter production. I suggest deleting the word "Additional" from the first sentence.  | revised to incorporate this refinement. |
| 24             | Section 6 Outline | Although it was suggested at the last Recharge Master Plan Steering Committee to address Section 6 after the June Court submittal, I recommend that we include in the submittal an outline of Section 6 that identifies concepts that are being considered for the implementation plan. The concepts submitted at the last meeting are a good start. I would like to reorder the topics to include 2010 Recharge Master Plan Update Phases I through III projects first as this was the directive of the Court. This list should also include the option of recharge using ASR wells. | Comment noted.                          |
| 25             | Section 6 Outline | Another topic that should also be included among the options is an evaluation of the possible redistribution of CDA pumping.  | Comment noted.                          |

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COMMENTS AND RESPONSES

C.5 MONTE VISTA WATER DISTRICT (MARK KINSEY AND JUSTIN SCOTT-COE)

| Comment Number | Page Reference | Comment   | Response   |
|----------------|----------------|---|--|
| 1              | none           | In general, we note that the results of the RMPU analysis demonstrate more than adequate capacity to support the long-term recharge and replenishment obligations of the parties to the Chino Basin Judgment. This is a success story for collaborative groundwater basin management and something in which all parties to the Judgment should collectively take great pride. The RMPU also demonstrates that the long-term issue faced by the Chino Basin is not inadequate recharge capacity but the need to secure additional sources of replenishment and recharge water.                                 | Thank you. Comment noted.  |
| 2              |                | We note that "sustainability" is a term employed repeatedly in this document. "Sustainability" is not a term that appears in the Judgment or Peace Agreements. Its specific use appears to have been introduced into the Watermaster process through Wildermuth's modeling work for well pumping parameters, e.g. "sustainability metrics." We would prefer that the term be used in this specific context only and not used more generally, as it potentially recharacterizes the parties' obligations under the Judgment and Peace Agreements (e.g., support of sustained groundwater pumping by individual | Comment noted. Sustainability as used in the report refers only to the ability to sustain production at a well at a desired amount. It has no nexus to the Judgment or the Peace Agreements. The sustainability metrics are defined and explained in two places in the draft report and are currently highlighted in yellow. Groundwater production at wells is presumed to be sustainable if the groundwater level at the well is greater than the sustainability metric. Sustainability metrics are defined for each well by well owner. If the groundwater level falls below the sustainability |

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| Comment Number | Page Reference | Comment  | Response   |
|----------------|----------------|--|--|
|                |                | parties rather than balancing the recharge and discharge within subareas of the basin). Instead, we request that descriptions of the general goals for the RMPU use terms such as "long-term hydrologic balance" which are defined and consistently used in the Judgment and Peace Agreements.   | metric, the owner will either lower their pumping equipment in their well or will have to reduce production.   |
| 3              |                | We would recommend, when discussing the specific solutions for subareas of the basin that are out of long-term hydrologic balance, that the RMPU look at past successful efforts to achieve balance in other subareas of the basin. We would suggest that MZ1 offers such a model of addressing significant issues of production constraints in a collaborative and cost-effective manner. | Comment noted. This will be addressed in Section 6 and subsequent sections of this report.   |
| 4.             |                | Changes in the Chino Basin groundwater levels: discussion highlights the effect since 2002 of Chino 1 and 2 desalters in maintaining hydraulic control. I would suggest adding "the Chino Basin proposed the Hydraulic Control program and it was approved for implementation by the RWQCB and that OCWD supported the actions of the RWQCB and did not oppose the action."                | Thank you for the observation. The text was revised in the subsection entitled Groundwater Level Changes Across the Basin to incorporate these thoughts. |
| 5              |                | As mentioned above, the RMPU demonstrates that sufficient recharge capacity exists basin-wide to meet our collective replenishment and recharge obligations. We believe that increasing storm water capture in MZ3 is one of the potential approaches to   | Comment noted. This concept will be considered in Section 6 and subsequent sections of this report.  |



P259

| Comment Number | Page Reference | Comment  | Response   |
|----------------|----------------|--|--|
|                |                | <p>addressing the long-term hydrologic imbalance in that basin subarea. A secondary benefit of such an approach is to increase new yield being introduced into the basin. Based on preliminary work already completed it would cost the parties several million dollars to implement these projects. To encourage all parties to participate in funding storm water recharge improvements, we recommend that firm new yield estimates be determined for each project and that these estimates not be adjusted downward during the period of repayment.</p> |  |
| 6              |                | <p>Figure 2-6e shows significant groundwater recharge into MZ5 from the Santa Ana River and the City of Riverside WWTP (through the river). It is our understanding that one of purposes of installing desalter wells in MZ4, MZ3, and MZ2 is to induce inflow from the river into the basin. If this is the case, why is no recharge from the river reflected in Figures 2-6d, 2-6-c, and 2-6b for the period following the installation of these wells?</p>  | <p>The recharge “bars” shown in each of the Figures 2-6a through 2-6e are specific to recharge through the surface of the management zone. Santa Ana River water recharge occurs in MZ5 through the streambed only in MZ5.</p> |
| 7              |                | <p>On page 20, the RMPU incorrectly presents carryover water as stored water. Under the Judgment, these are completely separate categories of water. We request that carryover water be excluded from the description of stored water on page 20 and the calculations of past, current, and projected future stored water in Tables</p>  | <p>Thank you for the observation. The intent was to describe the amount of water in storage and the text, tables and charts were reviewed to remove the term “stored water”.</p>   |



| Comment Number | Page Reference | Comment  | Response  |
|----------------|----------------|--|---|
|                |                | 2-1 and 2-2 and Figures 2-8 (incorrectly labeled Figure 2-7 on page 20) and 2-9.   |   |
| 8              |                | On pages 23 and 31, the RMPU cites prior studies by Wildermuth projecting a reduction of safe yield from its current 140,000 AFY to 130,000 AFY by 2035. We request that the RMPU discuss how its recommendations for increasing recharge would impact these projected reductions.   | Model projections based on historical and future groundwater management plans suggest that increasing recharge will not materially change the projected decline in safe yield. This concept will be discussed in Section 6 and subsequent sections of this report |
| 9              |                | On page 21, last paragraph, second sentence, we request that the sentence be rewritten to read as follows: "Several appropriators have demonstrated that, given increased replenishment, power, and assessment costs, it is currently or will soon be more economical to purchase Metropolitan water directly than to produce groundwater in excess of their production rights." | Thank you for the observation. The text has been revised to incorporate this refinement.  |
| 10             |                | On page 41, second paragraph, last sentence, we request that the sentence be rewritten to read as follows: "As evident in these figures, the MZ1 recharge requirement of 6,500 acre-ft/yr has been met on an average if not on an annual basis, and in recent years recharge within MZ3 has increased."  | Thank you for the observation. The text has been revised to incorporate this refinement.  |
| 11             |                | On page 43, fourth paragraph, first sentence, we request that the sentence be rewritten to read as follows: "Watermaster has an obligation under the Judgment to provide replenishment water for   | Thank you for the observation. The text has been revised to incorporate this refinement.  |

P 260



P261

| Comment Number | Page Reference | Comment   | Response   |
|----------------|----------------|---|--|
|                |                | overproduction in the prior year.” (You may want to add a citation to paragraph 45 of the Judgment; no other citation should be required.)  |  |
| 12             |                | On page 44, first full paragraph, second sentence, we request that the sentence be rewritten to read as follows: “Instead, it is recharged into the basin and subsequently assigned to certain appropriator parties’ supplemental storage accounts, thereby potentially increasing the appropriators’ production rights and reducing their future replenishment liabilities.” | Thank you for the observation. The text has been revised to incorporate this refinement. |
| 13             |                | On page 47, fifth full paragraph, fourth sentence, we request that the word “Typically” be added to the beginning of the sentence.  | Thank you for the observation. The text has been revised to incorporate this refinement. |
| 14             |                | On Table 4-5, please note that these wells are owned by MVWD (except for Well 33 which is, as already noted, co-owned by City of Chino).  | Comment noted. Table 4-5 contains a footnote that makes this statement.                  |
| 15             |                | On Figures 4-1 and 4-2, please add a footnote that explains that past and existing recharge levels in MZ1 are contractually required under Peace II and address a long-term hydrological imbalance that had historically occurred in this subarea of the basin.   | Thank you for the observation. The text has been revised to incorporate this refinement. |
| 16             |                | Section 5 of the RMPU has not yet been drafted, but will seek to answer questions regarding   | Comment noted.   |



| Comment Number | Page Reference | Comment   | Response       |
|----------------|----------------|---|----------------|
|                |                | <p>ownership of new yield generated through the capture storm and urban runoff water from projects associated with MS4 permit compliance. We believe this is an appropriate conversation to have at this time, and that it needs to be addressed within the context of the net safe yield of the basin. Specifically, land use changes (both past and on-going) since the Judgment will have an impact on basin safe yield; seemingly any new yield associated with MS4 projects should first be contributed to addressing the reduction in safe yield associated with changes in land use practices.</p> |                |
| 17             |                | <p>In Section 6, we would recommend that two additional alternatives to address production sustainability challenges be considered: namely, the relocation of CDA wells in order to stop their interference with JCSD wells, and/or the reduction in CDA well production if doing so would not impact hydraulic control. There might be an opportunity for the latter alternative to be accomplished in a way that will benefit all parties, both in helping to achieve JCSD's production goals and reducing the region's collective cost associated with desalter operations.</p>                        | Comment noted. |

P262



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8 **Attorneys for CHINO BASIN WATERMASTER**

9 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
10 FOR THE COUNTY OF SAN BERNARDINO

11 CHINO BASIN MUNICIPAL WATER  
12 DISTRICT,

13 Plaintiff,

14 v.

15 CITY OF CHINO, et al.,

16 Defendant.

**Case No. RCV 51010**

[Assigned for All Purposes to the  
Honorable STANFORD E. REICHERT]

**RECHARGE MASTER PLAN STATUS  
REPORT**

Hearing Date: NA  
Hearing Time: NA  
Dept: C-1

18 Watermaster submits this status report pursuant to the Court's October 8, 2010 and  
19 December 16, 2011 Orders. Watermaster does not believe that any party objects to this Status  
20 Report or the actions described herein and consequently, respectfully requests that the Court's  
21 receipt of the Report not require a hearing. However, if any party should file an objection,  
22 Watermaster will be pleased to present the Status Report and respond to any questions the Court  
23 may have.

24 **I. Background of the Status Report Requirement**

25 In its December 21, 2007 Order approving the Peace II Measures, the Court required  
26 Watermaster to satisfy a number of conditions subsequent. The last of these, condition  
27 subsequent number eight, required Watermaster to update its Recharge Master Plan (RMP). In  
28

1 broad terms, the purpose of the RMP is to articulate the manner in which Watermaster will fulfill  
2 its responsibilities under the Judgment to ensure that groundwater production from the Chino  
3 Basin in excess of the Safe Yield is replenished in accordance with the Physical Solution. This  
4 requires that the RMP make projections concerning anticipated production of groundwater from  
5 the Basin, the availability of imported water supplies, and the facilities necessary to make use of  
6 those imported supplies. In addition, Watermaster's discretion with regard to the manner in  
7 which recharge activities are conducted is constrained by commitments made in the Peace I and  
8 Peace II Agreements, and implementation of the RMP recommendations must satisfy these  
9 commitments.

10 On June 30, 2010, Watermaster submitted its updated Recharge Master Plan in  
11 compliance with condition subsequent number eight. However, due to intervening state  
12 legislation enacted subsequent to the Court's December 2007 Order, a delay was required. The  
13 legislation extended the time for completion of 2010 Urban Water Management Plans (UWMPs),  
14 which would provide important information about the projected Basin production by members of  
15 the Appropriative Pool. This information was critical to the RMP and, because this information  
16 was not yet available in June 2010, the Inland Empire Utilities Agency (IEUA) was not in a  
17 position to approve the updated RMP as required by the Peace II Agreement.

18 On this basis, in its October 8, 2010 Order approving the updated RMP, the Court made  
19 the following orders:

20 (3) Watermaster is hereby ordered to convene the committee described in item 3 of  
21 section 7.1 of the updated RMP to develop the monitoring, reporting, and accounting practices  
22 that will be required to estimate local project stormwater recharge and new yield.

23 (4) Watermaster is hereby ordered to conduct further analyses as described in section  
24 7.2 of the updated RMP of the Phase I through III projects to refine the projects, to develop a  
25 financing plan, and to develop an implementation plan.

26 (5) By December 17, 2011, six months following completion of the parties' UWMPs,  
27 Watermaster will report to the Court on any changes to the 2010 RMP necessitated by  
28 information received through the UWMPs. In this report, Watermaster will also report on

1 progress made under items (3) and (4) above, and will report on the status of IEUA's approval of  
2 the RMP. (October 8, 2010 Order, 4:9-18.)

3 **II. Extension of December 17, 2011 Deadline**

4 On December 12, 2011 Watermaster filed its *Ex Parte Motion to Request a 180-Day*  
5 *Extension of Time re Filing of Recharge Master Plan Status Report*. The Court granted this  
6 request on December 16, 2011.

7 Prior to the Court's consideration of the requested extension, the Watermaster Board met  
8 and considered the update of the RMP. On December 15, 2011, the Board approved the  
9 completion of the update to the RMP and an implementation and funding plan within the  
10 following year.

11 **III. Update Status**

12 Using updated estimates of stakeholders' groundwater production and projections of  
13 replenishment obligations, Watermaster and the parties have evaluated changed circumstances  
14 (legislative, regulatory, etc.) that were not addressed in the 2010 RMP Update and how these  
15 changes affect the RMP. For this purpose, a Recharge Master Plan Update Steering Committee  
16 has been convened. This Committee is currently meeting every two weeks and includes  
17 stakeholders, inclusive of IEUA as required by the Peace II Agreement. The evaluation by the  
18 Committee has incorporated updated groundwater production estimates and replenishment  
19 obligation projections, calculations of water in storage, and information regarding the projected  
20 availability of replenishment water. Based on this evaluation, the Committee has selected agreed  
21 upon bookend projected future scenarios for recharge planning.

22 Using these scenarios, Watermaster's hydrologists have undertaken modeling in order to  
23 project recharge needs within the Basin, based on the modeled future groundwater levels,  
24 estimated safe yield, and the balance of recharge and discharge within the Basin. This analysis is  
25 predicated on the updated pumping and replenishment projections, estimates of the locations and  
26 amounts of recharge required for sustainability, and potential production forbearance.

27 As the modeling to this point has been based on the existing locations and capabilities of  
28 existing recharge facilities, the Committee has also had conducted an inventory of existing

1 recharge facilities, which includes the characterization of recharge basins, recharge capacities and  
2 the factors controlling recharge performance. Other factors that have also been included in the  
3 analysis include the evaluation of impacts due to changes in recycled water recharge regulations  
4 on Watermaster's ability to recharge the same, the analysis of actual storm water recharge at  
5 existing facilities, storm water available for recharge at each facility, and what could be done to  
6 increase recharge at each, as well as the evaluation of availability of and ability to recharge  
7 supplemental water, and the possibility of in-lieu recharge within the Basin. The analysis done to  
8 this point is included in Chapters 1-4 of the present administrative draft of the RMP Update.  
9 These chapters have been approved by the Appropriative, Overlying (Agricultural) and Overlying  
10 (Non-Agricultural) Pools, the Advisory Committee and the Watermaster Board as the  
11 administrative draft.

12 In order to finalize the RMP Update, the parties will next indentify the possible recharge  
13 mechanisms available to meet current and projected recharge and replenishment needs. This will  
14 include the analysis of potential recharge associated with Municipal Separate Storm Sewer  
15 Systems (MS4s), the identification of areas within the Basin with the potential for production  
16 sustainability challenges and other water management challenges that can be addressed by  
17 recharge or production management, the identification of options ensuring production  
18 sustainability through the term of Peace Agreements, including increased recharge at existing  
19 facilities, new recharge facilities, new recharge sources, adjustment in production patterns, etc.  
20 The Committee will also develop the monitoring, reporting, and accounting practices that will be  
21 required to estimate local project stormwater recharge and new yield.

22 After the identification of the potential recharge options, the parties will agree upon the  
23 methods and criteria that will be used to evaluate each of them. Using these agreed upon methods  
24 and criteria, Watermaster's consultants will conduct engineering and economic analyses of each.  
25 Based on these analyses, the parties will review and recommend implementation of the selected  
26 options, and develop recommended financing and implementation plans for these options.

27 Because IEUA is an active participant in the process of developing the RMP Update,  
28 Watermaster reasonably anticipates that IEUA will be more readily disposed to approve the

1 updated plan once it is completed.

2           Consequently, Watermaster is of the opinion that, with the process described above, the  
3 Committee is on schedule to complete the RMP Update within the timeframe presented in the  
4 2010 Recharge Master Plan Update and believes progress will continue to be made consistent  
5 with the Watermaster Board's December 15, 2011 action.

6

7 Dated: June \_\_, 2012

BROWNSTEIN HYATT FARBER SCHRECK, LLP

8

9

By: \_\_\_\_\_

10

SCOTT S. SLATER  
BRADLEY J. HERREMA  
ATTORNEYS FOR CHINO BASIN  
WATERMASTER

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# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### C. WATERMASTER BUDGET TRANSFERS AND BUDGET AMENDMENTS





# CHINO BASIN WATERMASTER

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

## STAFF REPORT

**DATE:** May 24, 2012  
**TO:** Watermaster Board Members  
**SUBJECT:** FY2011/2012 Budget Transfers and Budget Amendment

### SUMMARY

**Issue** – Budget Transfers and Budget Amendment requests between Watermaster accounts.

**Recommendation** – Staff recommends approval of the Budget Transfer Form T-12-05-01 and the Budget Amendment Form A-12-05-01 as presented.

**Financial Impact** – The Budget Transfer is a reallocation of approved budgeted funds while the Amendment is appropriating unbudgeted revenue of \$51,197 which has not been previously allocated or appropriated to a project or expense category.

### BACKGROUND:

Utilizing the Watermaster's accounting software (QuickBooks Enterprise Solutions 9.0), 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
- Optimal Basin Management Program Expenses
- Project Expenditures
- Other Income/Expenses

The CEO 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 approved by the Pools, the Advisory Committee, and then by the Board.

If there are insufficient funds within same category, the CEO may propose a transfer from one main category to another. All budget transfers from one main category to another, regardless of the amount, require approval by the Pools, the Advisory Committee, and then by the Board.

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

BUDGET AMENDMENT:

If there are no budgeted funds available to transfer to the line item, the CEO will submit a Budget Amendment request to the Pools, Advisory Committee, and then to the Board for approval.

All budget amendments will be presented to the Pools, Advisory Committee, and the Board for formal approval. The budget amendment should indicate the anticipated source of funding for the approved increase.

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

DISCUSSION:

UNBUDGETED REVENUE:

In August 2011, Watermaster received two payments from the Metropolitan Water District. Metropolitan entered into agreements with Watermaster and other member agencies and partners for dry-year groundwater storage. Pursuant to Section VI of these agreements, Metropolitan committed to pay an annual administrative fee to one of the partners on each of the agreements for the 25-year term of the each agreement a) beginning on July 1<sup>st</sup> after the initial storage of water in each program, and b) with the set fee dollar amount escalating annually by the lesser of 2.5% or CPI. Watermaster received \$145,568.70 for the FY 2009/2010 payment (due July 1, 2010) and \$149,207.92 for the FY 2010/2011 payment (due July 1, 2011). The total amount received of \$294,776.62 was recorded to account 4040 (Cooperative Agreements).

In February 2012, Budget Amendment A-12-02-01 was approved and appropriated the amount of \$211,580, leaving a balance of un-appropriated MWD funds of \$83,197. In March 2012, Budget Amendment A-12-03-01 was approved and appropriated the amount of \$32,000, leaving a balance of un-appropriated MWD funds of \$51,197.

BUDGET TRANSFER AND BUDGET AMENDMENT:

The attached forms T-12-05-01 and A-12-05-01 are provided as documentation to clearly show which general ledger accounts are being reduced and which general ledger accounts are being increased. Budget Transfer T-12-05-01 is reallocating existing approved budget dollars between categories as needed. The Budget Transfer T-12-02-01 is a zero based document, which means the reductions and additions within the general ledger accounts equal. There is no change to the overall budget as a result of Budget Transfer T-12-05-01 and no new funds or assessments are required.

Budget Amendment A-12-05-01 appropriates the remaining balance of the MWD funds, discussed above, of \$51,197. With this Budget Amendment, the un-appropriated funds balance is \$0. The Budget Amendment amount of \$51,197 will fund the following: (1) the testing of several remaining wells in the Plume area of \$5,000; (2) additional costs related to the In-Line Meter Maintenance Program of \$6,197; (3) the new funding of the Prado Basin Habitat Monitoring Program of \$20,000; and (4) the new funding to determine the state of hydraulic control in the Chino Creek Well Field (CCWF) of \$20,000.

**Actions:**

May 10, 2012 Appropriative Pool – Approved unanimously

May 10, 2012 Non-Agricultural Pool – Approved unanimously and to direct the Pool representatives to support at the Advisory Committee and Watermaster Board meetings subject to changes which they determine to be appropriate

May 10, 2012 Agricultural Pool – Approved unanimously

May 17, 2012 Advisory Committee – Approved unanimously

May 24, 2012 Watermaster Board –

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**CHINO BASIN WATERMASTER  
 BUDGET TRANSFERS**

**ATTACHMENT #T-12-05-01**

To: **All Parties**

# T-12-05-01

From: Joseph S. Joswiak, CFO Date: May 10, 2012

**Describe reason for the transfer between budget categories here:** To transfer funds to cover anticipated cost overages per the Wildermuth Environmental, Inc. ECAC (Estimated Cost At Completion) report dated April 17, 2012, along with known adjustments required in Watermaster accounts referenced below.

**Budgetary account reduction**

| Line Item Description                      | Account Number | Amount      |
|--|----------------|-------------|
| OBMP Engineering Services                  | 6906           | \$ (34,581) |
| Production Monitoring - WM Staff           | 7101.1         | \$ (9,000)  |
| Groundwater Quality Monitoring - WM Staff  | 7103.1         | \$ (15,000) |
| Groundwater Level Monitoring - WM Staff    | 7104.1         | \$ (25,000) |
| Ground Level Monitoring - Contracted Serv. | 7107.6         | \$ (41,000) |
| Hydraulic Control - Engineering            | 7108.3         | \$ (20,000) |
| Recharge and Well - Engineering            | 7109.3         | \$ (4,464)  |
|  |                | \$ -        |
|  |                | \$ -        |

**Budgetary account addition**

|   |        |           |
|---|--------|-----------|
| OBMP - WM Staff                         | 6901   | \$ 7,000  |
| OBMP - Watermaster Model Update         | 6906.1 | \$ 7,554  |
| In-Line Meter - Maintenance & Repair    | 7102.7 | \$ 20,000 |
| Groundwater Quality - Engineering       | 7103.3 | \$ 5,634  |
| Groundwater Level - Engineering         | 7104.3 | \$ 38,000 |
| PE 6&7 - WM Staff (Plume)               | 7501.1 | \$ 22,000 |
| Comprehensive Recharge - Implementation | 7202.3 | \$ 48,857 |
|   |        | \$ -      |
|   |        | \$ -      |
|   |        | \$ -      |

Should be zero

**Transfer Procedure**

1. Staff brings the transfer request to the Appropriate Pool for information purposes if the transfer is under \$25,000. Transfers over \$25,000 within the same budget category require Pools, Advisory Committee and Board approval. Transfers between budget categories, regardless of amount must be approved by the Pools, Advisory Committee and Board
2. Once the form has been completed by the CFO, and approved by the board if required, the Chief Financial Officer will prepare and process the budget transfer in the accounting system.
3. A log will be maintained by the CFO detailing the transfer.
4. A fiscal year file will also be kept to hold all budget amendment forms for auditor review.

**Finance Use Only**

Date Board Approved \_\_\_\_\_

Finance Log # \_\_\_\_\_

Date Posted \_\_\_\_\_

Posted By \_\_\_\_\_

Approved by \_\_\_\_\_

Date approved \_\_\_\_\_

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**ATTACHMENT A-12-05-01**

**CHINO BASIN WATERMASTER  
 BUDGET AMENDMENT**

To: **All Parties**

Fiscal Year 2011-2012

From : Joseph S. Joswiak, CFO Date: May 10, 2012

**Describe reason for the budget amendment here:** The Watermaster approved FY 2011/2012 budget does not include several projects that have recently been identified. One project is the Prado Basin Habitat Monitoring Program for \$20,000. Another project is to determine the state of hydraulic control in the Chino Creek Well Field (CCWF) of \$20,000. There also remains several wells in the Plume area that need testing at the cost of \$5,000. The remaining funds of \$6,197 are needed for additional costs related with the In-Line Meter Maintenance program. The remaining MWD unappropriated revenue of \$51,197 will be allocated to these accounts listed below, thereby eliminating the remaining balance of \$51,197.

**Expenditure Amendment**

| <i>Line Item Description</i>       | <i>Account Number</i> | <i>Original Budget</i> | <i>Amended Budget</i> | <i>Amendment Amount</i> |
|------------------------------------|-----------------------|------------------------|-----------------------|-------------------------|
| PE 6&7-Contracted Services (Plume) | 7503                  | \$37,790               | \$42,790              | \$5,000                 |
| Hydraulic Control - Prado Basin    | 7108.7                | \$0                    | \$20,000              | \$20,000                |
| In-Line Meter Maintenance          | 7102.5                | \$8,000                | \$14,197              | \$6,197                 |
| Hydraulic Control - Engineering    | 7108.3                | \$246,956              | \$266,956             | \$20,000                |
|                                    |                       |                        |                       |                         |
|                                    |                       |                        |                       |                         |
| <b>TOTAL:</b>                      |                       |                        |                       | <b>\$ 51,197</b>        |

**Revenue Source**

| <i>Line Item Description</i> | <i>Account Number</i> | <i>Original Budget</i> | <i>Amended Budget</i> | <i>Amendment Amount</i> |
|------------------------------|-----------------------|------------------------|-----------------------|-------------------------|
| Cooperative Agreement - MWD  | 4040                  | \$51,197               | \$0                   | (\$51,197)              |
|                              |                       |                        |                       |                         |
| <b>TOTAL:</b>                |                       |                        |                       | <b>\$ (51,197)</b>      |

**Amendment Procedure**

1. Staff takes amendment requests to the Pools, Advisory Committee & Board for approval.
2. The Chief Financial Officer will prepare and process the budget entry.
4. A log will be maintained by the Finance Department detailing the adjustment.
5. A fiscal year file will also be kept to hold all budget amendment forms for auditor review.

**Finance Use Only**

Date Board Approved \_\_\_\_\_  
 Entered into System By \_\_\_\_\_  
 Finance Log # \_\_\_\_\_  
 Date Posted \_\_\_\_\_  
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# CHINO BASIN WATERMASTER

## IV. INFORMATION

1. Cash Disbursements for April 2012



CHINO BASIN WATERMASTER  
Cash Disbursements For The Month as of  
April 30, 2012

For Informational Purposes Only

| Type            | Date       | Num           | Name                                | Memo  | Account                              | Paid Amount |
|-----------------|------------|---------------|-------------------------------------|---|--------------------------------------|-------------|
| Bill Pmt -Check | 04/02/2012 | 15924         | ARROWHEAD MOUNTAIN SPRING WATER     | 0023230253                                    | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/28/2012 | 0023230253    |                                     | Office Water Bottle - March 2012              | 6031.7 - Other Office Supplies       | 11.84       |
| TOTAL           |            |               |                                     |   |                                      | 11.84       |
| Bill Pmt -Check | 04/02/2012 | 15925         | CALPERS                             | 1394905143                                    | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/27/2012 | 1394905143    |                                     | Medical Insurance Premium - April 2012        | 60182.1 - Medical Insurance          | 5,665.88    |
| TOTAL           |            |               |                                     |   |                                      | 5,665.88    |
| Bill Pmt -Check | 04/02/2012 | 15926         | CALPERS 457 PLAN                    | Payroll and Taxes for 03/04/12-03/17/12       | 1012 - Bank of America Gen'l Ckg     |             |
| General Journal | 03/17/2012 | 03/17/2012    | CALPERS 457 PLAN                    | 457 Employee Deductions for 03/04/12-03/17/12 | 2000 - Accounts Payable              | 2,653.60    |
| TOTAL           |            |               |                                     |   |                                      | 2,653.60    |
| Bill Pmt -Check | 04/02/2012 | 15927         | DC LAW                              | 17809   | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/17/2012 | 17809         |                                     | Ag Pool Legal Services - 17809                | 8467 - Ag Legal & Technical Services | 617.50      |
| TOTAL           |            |               |                                     |   |                                      | 617.50      |
| P278            |            |               |                                     |   |                                      |             |
| Bill Pmt -Check | 04/02/2012 | 15928         | DIRECTV                             | 019447404                                     | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/17/2012 | 019447404     |                                     | Service for 3/19/12 - 4/18/12                 | 6031.7 - Other Office Supplies       | 92.99       |
| TOTAL           |            |               |                                     |   |                                      | 92.99       |
| Bill Pmt -Check | 04/02/2012 | 15929         | GUARANTEED JANITORIAL SERVICE, INC. | 1-28957                                       | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/17/2012 | 1-28957       |                                     | Janitorial Service - March 2012               | 6024 - Building Repair & Maintenance | 865.00      |
| TOTAL           |            |               |                                     |   |                                      | 865.00      |
| Bill Pmt -Check | 04/02/2012 | 15930         | MCCALL'S METER SALES & SERVICE      | 22194   | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/28/2012 | 22194         |                                     | 22194   | 7102.5 - In-line Meter-Computer      | 612.86      |
|                 |            |               |                                     | 22194   | 7102.7 - In-line Meter               | 11,744.21   |
| TOTAL           |            |               |                                     |   |                                      | 12,357.07   |
| Bill Pmt -Check | 04/02/2012 | 15931         | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493                                   | 1012 - Bank of America Gen'l Ckg     |             |
| General Journal | 03/17/2012 | 03/17/2012    | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 03/04/12-03/17/12      | 2000 - Accounts Payable              | 8,078.09    |
| TOTAL           |            |               |                                     |   |                                      | 8,078.09    |
| Bill Pmt -Check | 04/02/2012 | 15932         | STANDARD INSURANCE CO.              | Policy # 00-640888-0009                       | 1012 - Bank of America Gen'l Ckg     |             |
| Bill            | 03/17/2012 | 00640888-0009 |                                     | Policy # 00-640888-0009                       | 60191 - Life & Disab. Ins Benefits   | 525.66      |
| TOTAL           |            |               |                                     |   |                                      | 525.66      |
| Bill Pmt -Check | 04/02/2012 | 15933         | STAPLES BUSINESS ADVANTAGE          | 8021357001                                    | 1012 - Bank of America Gen'l Ckg     |             |

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|-----------------|-------------|--------------------|-----------------------------------|---------------------------------------|--------------------------------------|--------------------|
| Bill            | 03/17/2012  | 8021357001         |                                   | Copy paper                            | 6031.1 · Copy Paper                  | 249.95             |
|                 |             |                    |                                   | Miscellaneous office supplies         | 6031.7 · Other Office Supplies       | 33.91              |
| TOTAL           |             |                    |                                   |                                       |                                      | 283.86             |
| Bill Pmt -Check | 04/02/2012  | 15934              | STATE COMPENSATION INSURANCE FUND | 1970970-11                            | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/27/2012  | 1970970-11         |                                   | Workers Comp Insurance - March 2012   | 60183 · Worker's Comp Insurance      | 1,332.81           |
| TOTAL           |             |                    |                                   |                                       |                                      | 1,332.81           |
| Bill Pmt -Check | 04/02/2012  | 15935              | UNITED HEALTHCARE                 | 0027187680                            | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/17/2012  | 0027187680         |                                   | Dental Insurance Premium - April 2012 | 60182.2 · Dental & Vision Ins        | 695.95             |
| TOTAL           |             |                    |                                   |                                       |                                      | 695.95             |
| Bill Pmt -Check | 04/02/2012  | 15936              | VISION SERVICE PLAN               | 00-101789-0001                        | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/28/2012  | 001017890001       |                                   | Vision Insurance Premium - April 2012 | 60182.2 · Dental & Vision Ins        | 26.71              |
| TOTAL           |             |                    |                                   |                                       |                                      | 26.71              |
| Bill Pmt -Check | 04/05/2012  | 15937              | APPLIED COMPUTER TECHNOLOGIES     | 2051                                  | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/29/2012  | 2051               |                                   | Database Services - March 2012        | 6052.2 · Applied Computer Technol    | 3,056.60           |
| TOTAL           |             |                    |                                   |                                       |                                      | 3,056.60           |
| Bill Pmt -Check | 04/05/2012  | 15938              | BOWCOCK, ROBERT                   | Meeting Compensation                  | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/15/2012  | 3/15 Advisory Comm |                                   | 3/15/12 Advisory Committee Meeting    | 6311 · Board Member Compensation     | 125.00             |
| Bill            | 03/22/2012  | 3/22 Board Mtg     |                                   | 3/22/12 Board Meeting                 | 6311 · Board Member Compensation     | 125.00             |
| TOTAL           |             |                    |                                   |                                       |                                      | 250.00             |
| Bill Pmt -Check | 04/05/2012  | 15939              | CURATALO, JAMES                   | 3/22/12 Board Meeting                 | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/22/2012  | 3/22 Board Mtg     |                                   | 3/22/12 Board Meeting                 | 6311 · Board Member Compensation     | 125.00             |
| TOTAL           |             |                    |                                   |                                       |                                      | 125.00             |
| Bill Pmt -Check | 04/05/2012  | 15940              | DE BOOM, NATHAN                   | AG Pool Member Meeting Compensation   | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/08/2012  | 3/08 Ag Pool Mtg   |                                   | 3/08/12 Ag Pool Meeting               | 8411 · Compensation                  | 25.00              |
|                 |             |                    |                                   | AG Pool Member Meeting Compensation   | 8470 · Ag Meeting Attend -Special    | 100.00             |
| TOTAL           |             |                    |                                   |                                       |                                      | 125.00             |
| Bill Pmt -Check | 04/05/2012  | 15941              | DELUXE BUSINESS FORMS & SUPPLIES  | 2023754480                            | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/23/2012  | 2023754480         |                                   | Check stock and envelope reorder      | 6031.7 · Other Office Supplies       | 687.80             |
| TOTAL           |             |                    |                                   |                                       |                                      | 687.80             |
| Bill Pmt -Check | 04/05/2012  | 15942              | DGO AUTO DETAILING                |                                       | 1012 · Bank of America Gen'l Ckg     |                    |
| Bill            | 03/30/2012  |                    |                                   | Wash 4 trucks on 3/29/12              | 6177 · Vehicle Repairs & Maintenance | 100.00             |

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|-------|-----------------|-------------|----------------------|---------------------------|--|-----------------------------------|--------------------|
| TOTAL |                 |             |                      |                           |  |                                   | 100.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15943                | DURRINGTON, GLEN          | AG Pool Member Meeting Compensation        | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/08/2012  | 3/08 Ag Pool Meeting |                           | 3/08/12 Ag Pool Meeting                    | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Meeting Compensation        | 8470 · Ag Meeting Attend -Special | 100.00             |
| TOTAL |                 |             |                      |                           |  |                                   | 125.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15944                | ELIE, STEVEN              | 3/22/12 Board Meeting                      | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/22/2012  | 3/22 Board Mtg       |                           | 3/22/12 Board Meeting                      | 6311 · Board Member Compensation  | 125.00             |
| TOTAL |                 |             |                      |                           |  |                                   | 125.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15945                | FEENSTRA, BOB             | 3/08/12 Ag Pool Meeting                    | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/01/2012  | 3/08 Ag Pool Mtg     |                           | 3/08/12 Ag Pool Meeting                    | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | 3/08/12 Ag Pool Meeting                    | 8470 · Ag Meeting Attend -Special | 100.00             |
| TOTAL |                 |             |                      |                           |  |                                   | 125.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15946                | FOREVER YOUNG PORTRAITURE | 03222012                                   | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/29/2012  | 03222012             |                           | Board, Pool, Advisory pictures for website | 6312 · Meeting Expenses           | 150.00             |
| TOTAL |                 |             |                      |                           |  |                                   | 150.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15947                | HALL, PETE*               |  | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/01/2012  | 3/01 RMPU Mtg        |                           | 3/01/12 RMPU Meeting                       | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
|       | Bill            | 03/08/2012  | 3/08 Ag Pool Mtg     |                           | 3/08/12 Ag Pool Meeting                    | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
|       | Bill            | 03/15/2012  | 3/15 Advisory Comm   |                           | 3/15/12 Advisory Committee Meeting         | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
|       | Bill            | 03/15/2012  | 3/15 RMPU Mtg        |                           | 3/15/12 RMPU Meeting                       | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
|       | Bill            | 03/22/2012  | 3/22 Board Mtg       |                           | 3/22/12 Board Meeting                      | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
|       | Bill            | 03/22/2012  | 3/22 Land Subsidence |                           | 3/22/12 Land Subsidence Meeting            | 8411 · Compensation               | 25.00              |
|       |                 |             |                      |                           | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special | 100.00             |
| TOTAL |                 |             |                      |                           |  |                                   | 750.00             |
|       | Bill Pmt -Check | 04/05/2012  | 15948                | HSBC BUSINESS SOLUTIONS   | 7003-7309-1000-2744                        | 1012 · Bank of America Gen'l Ckg  |                    |
|       | Bill            | 03/28/2012  | 7003730910002744     |                           | Miscellaneous office supplies              | 6031.7 · Other Office Supplies    | 589.40             |
| TOTAL |                 |             |                      |                           |  |                                   | 589.40             |
|       | Bill Pmt -Check | 04/05/2012  | 15949                | HUITSING, JOHN            | Ag Pool Member Compensation                | 1012 · Bank of America Gen'l Ckg  |                    |

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|-----------------|-----------------|------------------|--------------------------------|--|------------------------------------|-------------|
| Bill            | 03/08/2012      | 3/08 Ag Pool Mtg |                                | 3/08/12 Ag Pool Meeting                        | 8411 · Compensation                | 25.00       |
|                 |                 |                  |                                | Ag Pool Member Compensation                    | 8470 · Ag Meeting Attend -Special  | 100.00      |
| TOTAL           |                 |                  |                                |  |                                    | 125.00      |
| Bill Pmt -Check | 04/05/2012      | 15950            | INLAND EMPIRE UTILITIES AGENCY | 90009563                                       | 1012 · Bank of America Gen'l Ckg   |             |
| Bill            | 04/01/2012      | 90009563         |                                | Pymnt 4 of 4 - Recharge O&M                    | 7206 · Comp Recharge-O&M           | 180,656.82  |
| TOTAL           |                 |                  |                                |  |                                    | 180,656.82  |
| Bill Pmt -Check | 04/05/2012      | 15951            | JAMES JOHNSTON                 | 257  | 1012 · Bank of America Gen'l Ckg   |             |
| Bill            | 03/31/2012      | 257              |                                | Website Consultant - March 2012                | 6052.3 · Website Consulting        | 930.00      |
| TOTAL           |                 |                  |                                |  |                                    | 930.00      |
| Bill Pmt -Check | 04/05/2012      | 15952            | KRUGER, W. C. "BILL"           |  | 1012 · Bank of America Gen'l Ckg   |             |
| Bill            | 03/01/2012      | 3/01 RMPU Mtg    |                                | 3/01/12 RMPU Meeting                           | 6311 · Board Member Compensation   | 125.00      |
| Bill            | 03/22/2012      | 3/22 Board Mtg   |                                | 3/22/12 Board Meeting                          | 6311 · Board Member Compensation   | 125.00      |
| TOTAL           |                 |                  |                                |  |                                    | 250.00      |
| P 281           | Bill Pmt -Check | 04/05/2012       | 15953                          | KUHN, BOB                                      | 1012 · Bank of America Gen'l Ckg   |             |
|                 | Bill            | 03/05/2012       | 3/05 Admin Mtg                 | 3/05/12 Administrative Meeting                 | 6311 · Board Member Compensation   | 125.00      |
|                 | Bill            | 03/15/2012       | 3/15 Advisory Comm             | 3/15/12 Advisory Committee Meeting             | 6311 · Board Member Compensation   | 125.00      |
|                 | Bill            | 03/22/2012       | 3/22 Board Mtg                 | 3/22/12 Board Meeting                          | 6311 · Board Member Compensation   | 125.00      |
| TOTAL           |                 |                  |                                |  |                                    | 375.00      |
|                 | Bill Pmt -Check | 04/05/2012       | 15954                          | LANTZ, PAULA                                   | 1012 · Bank of America Gen'l Ckg   |             |
|                 | Bill            | 03/08/2012       | 3/08 Appro Pool Mtg            | 3/08/12 Appropriative Pool Meeting             | 6311 · Board Member Compensation   | 125.00      |
|                 | Bill            | 03/15/2012       | 3/15 Advisory Comm             | 3/15/12 Advisory Committee Meeting             | 6311 · Board Member Compensation   | 125.00      |
|                 | Bill            | 03/22/2012       | 3/22 Board Mtg                 | 3/22/12 Board Meeting                          | 6311 · Board Member Compensation   | 125.00      |
| TOTAL           |                 |                  |                                |  |                                    | 375.00      |
|                 | Bill Pmt -Check | 04/05/2012       | 15955                          | MIJAC ALARM                                    | 1012 · Bank of America Gen'l Ckg   |             |
|                 | Bill            | 04/01/2012       | 315976                         | Office alarm monitoring from 4/01/12 - 6/30/12 | 6026 · Security Services           | 147.00      |
| TOTAL           |                 |                  |                                |  |                                    | 147.00      |
|                 | Bill Pmt -Check | 04/05/2012       | 15956                          | MWH LABORATORIES                               | 1012 · Bank of America Gen'l Ckg   |             |
|                 | Bill            | 03/28/2012       | L0082777                       | L0082777                                       | 7503 · PE6&7-Contract Svcs (Plume) | 2,692.00    |
| TOTAL           |                 |                  |                                |  |                                    | 2,692.00    |
|                 | Bill Pmt -Check | 04/05/2012       | 15957                          | PARK PLACE COMPUTER SOLUTIONS, INC.            | 1012 · Bank of America Gen'l Ckg   |             |
|                 | Bill            | 03/30/2012       | 461                            | IT Services - March 2012                       | 6052.1 · Park Place Comp Solutn    | 1,500.00    |
| TOTAL           |                 |                  |                                |  |                                    | 1,500.00    |

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|-----------------|------------|--------------------|-------------------------|--|--------------------------------------|---------------|
| Bill Pmt -Check | 04/05/2012 | 15958              | PAYCHEX                 | 2012032900                                 | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/31/2012 | 2012032900         |                         | Payroll Services - March 2012              | 6012 · Payroll Services              | 253.62        |
| TOTAL           |            |                    |                         |  |                                      | <u>253.62</u> |
| Bill Pmt -Check | 04/05/2012 | 15959              | PIERSON, JEFFREY        |  | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/08/2012 | 3/08 Ag Pool Mtg   |                         | 3/08/12 Ag Pool Meeting                    | 8411 · Compensation                  | 25.00         |
|                 |            |                    |                         | 3/08/12 Ag Pool Meeting                    | 8470 · Ag Meeting Attend -Special    | 100.00        |
| Bill            | 03/15/2012 | 3/15 Advisory Comm |                         | 3/15/12 Advisory Committee Meeting         | 8411 · Compensation                  | 25.00         |
|                 |            |                    |                         | 3/15/12 Advisory Committee Meeting         | 8470 · Ag Meeting Attend -Special    | 100.00        |
| Bill            | 03/22/2012 | 3/22 Board Meeting |                         | 3/22/12 Board Meeting                      | 8411 · Compensation                  | 25.00         |
|                 |            |                    |                         | 3/22/12 Board Meeting                      | 8470 · Ag Meeting Attend -Special    | 100.00        |
| TOTAL           |            |                    |                         |  |                                      | <u>375.00</u> |
| Bill Pmt -Check | 04/05/2012 | 15960              | PUMP CHECK              | 4618                                       | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/28/2012 | 4618               |                         | 4618                                       | 7102.5 · In-line Meter-Computer      | 383.48        |
| TOTAL           |            |                    |                         |  |                                      | <u>383.48</u> |
| P 282           |            |                    |                         |  |                                      |               |
| Bill Pmt -Check | 04/05/2012 | 15961              | UNION 76                | 300-732-989                                | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/31/2012 | 300732989          |                         | Vehicle fuel - March 2012                  | 6175 · Vehicle Fuel                  | 168.97        |
| TOTAL           |            |                    |                         |  |                                      | <u>168.97</u> |
| Bill Pmt -Check | 04/05/2012 | 15962              | VANDEN HEUVEL, GEOFFREY | 6311                                       | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/08/2012 | 3/08 Ag Pool Mtg   |                         | 3/08/12 Ag Pool Meeting                    | 6311 · Board Member Compensation     | 125.00        |
| Bill            | 03/22/2012 | 3/22 Board Mtg     |                         | 3/22/12 Board Meeting                      | 6311 · Board Member Compensation     | 125.00        |
| TOTAL           |            |                    |                         |  |                                      | <u>250.00</u> |
| Bill Pmt -Check | 04/05/2012 | 15963              | VANDEN HEUVEL, ROB      | AG POOL MEMBER COMPENSATION                | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/08/2012 | 3/08 Ag Pool Mtg   |                         | 3/08/12 Ag Pool Meeting                    | 8411 · Compensation                  | 25.00         |
|                 |            |                    |                         | AG Pool Member Compensation                | 8470 · Ag Meeting Attend -Special    | 100.00        |
| TOTAL           |            |                    |                         |  |                                      | <u>125.00</u> |
| Bill Pmt -Check | 04/05/2012 | 15964              | VERIZON                 |  | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 03/28/2012 | 012519116950792103 |                         | Office telephone lines, long distance, fax | 6022 · Telephone                     | 510.22        |
| Bill            | 03/30/2012 | 012561121521714508 |                         | 012561121521714508                         | 7405 · PE4-Other Expense             | 174.49        |
| TOTAL           |            |                    |                         |  |                                      | <u>684.71</u> |
| Bill Pmt -Check | 04/05/2012 | 15965              | YUKON DISPOSAL SERVICE  | 08-K2 213849                               | 1012 · Bank of America Gen'l Ckg     |               |
| Bill            | 04/02/2012 | 08-K2 213849       |                         | Trash Service for April 2012               | 6024 · Building Repair & Maintenance | 106.53        |
| TOTAL           |            |                    |                         |  |                                      | <u>106.53</u> |

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|-----------------|------------|---------------------|---|---|--|-------------|
| Bill Pmt -Check | 04/05/2012 | 15966               | CALPERS 457 PLAN                        | Payroll and Taxes for 03/18/12-03/31/12       | 1012 · Bank of America Gen'l Ckg       |             |
| General Journal | 03/31/2012 | 03/31/2012          | CALPERS 457 PLAN                        | 457 Employee Deductions for 03/18/12-03/31/12 | 2000 · Accounts Payable                | 2,803.60    |
| TOTAL           |            |                     |   |   |  | 2,803.60    |
| Bill Pmt -Check | 04/05/2012 | 15967               | PUBLIC EMPLOYEES' RETIREMENT SYSTEM     | Payor #3493                                   | 1012 · Bank of America Gen'l Ckg       |             |
| General Journal | 03/31/2012 | 03/31/2012          | PUBLIC EMPLOYEES' RETIREMENT SYSTEM     | CalPERS Retirement for 03/18/12-03/31/12      | 2000 · Accounts Payable                | 8,086.11    |
| TOTAL           |            |                     |   |   |  | 8,086.11    |
| General Journal | 04/14/2012 | 04/14/2012          | Payroll and Taxes for 04/01/12-04/14/12 | Payroll and Taxes for 04/01/12-04/14/12       | 1012 · Bank of America Gen'l Ckg       |             |
|                 |            |                     |   | Payroll Taxes for 04/01/12-04/14/12           | 1012 · Bank of America Gen'l Ckg       | 12,646.33   |
|                 |            |                     |   | Direct Deposits for 04/01/12-04/14/12         | 1012 · Bank of America Gen'l Ckg       | 30,016.96   |
| TOTAL           |            |                     |   |   |  | 42,663.29   |
| Bill Pmt -Check | 04/19/2012 | 15968               | ACWA SERVICES CORPORATION               | 00198   | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 04/05/2012 | 01198               |   | Prepayment - May 2012                         | 1409 · Prepaid Life, BAD&D & LTD       | 133.39      |
|                 |            |                     |   | Life Insurance Premiums - April 2012          | 60191 · Life & Disab.Ins Benefits      | 160.18      |
| TOTAL           |            |                     |   |   |  | 293.57      |
| Bill Pmt -Check | 04/19/2012 | 15969               | AMERICAN GROUND WATER TRUST             | Support for Program: Jan. 2012 - Dec. 2012    | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 03/31/2012 | 4038                |   | Support for Program: Jan. 2012 - Dec. 2012    | 6111 · Membership Dues                 | 250.00      |
| TOTAL           |            |                     |   |   |  | 250.00      |
| Bill Pmt -Check | 04/19/2012 | 15970               | GREAT AMERICA LEASING CORP.             | 12094750                                      | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 03/31/2012 | 12094750            |   | Monthly invoice                               | 6043.1 · Ricoh Lease Fee               | 2,788.53    |
|                 |            |                     |   | Usage for Black Copies                        | 6043.2 · Ricoh Usage & Maintenance Fee | 276.56      |
|                 |            |                     |   | Usage for Color Copies                        | 6043.2 · Ricoh Usage & Maintenance Fee | 540.86      |
| TOTAL           |            |                     |   |   |  | 3,605.95    |
| Bill Pmt -Check | 04/19/2012 | 15971               | SAFEGUARD DENTAL & VISION               | 4301155                                       | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 03/30/2012 | 4301155             |   | Vision Insurance Premium - April 2012         | 60182.2 · Dental & Vision Ins          | 8.23        |
| TOTAL           |            |                     |   |   |  | 8.23        |
| Bill Pmt -Check | 04/19/2012 | 15972               | BANK OF AMERICA                         | XXXX-XXXX-XXXX-9341                           | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 03/31/2012 | XXXX-XXXX-XXXX-9341 |   | Registration fee-Nakano-Webcast               | 6191 · Conferences - General           | 100.00      |
|                 |            |                     |   | Lunch for 3/22/12 Board Meeting               | 6312 · Meeting Expenses                | 306.55      |
| TOTAL           |            |                     |   |   |  | 406.55      |
| Bill Pmt -Check | 04/19/2012 | 15973               | COMPUTER NETWORK                        |   | 1012 · Bank of America Gen'l Ckg       |             |
| Bill            | 03/31/2012 | 83672               |   | Replacement monitor                           | 6055 · Computer Hardware               | 191.18      |

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|------------------------|-------------------|--------------|--|-------------------------------------|---|--------------------|
| Bill                   | 03/31/2012        | 83702        |  | Replacement battery for Danni       | 6055 · Computer Hardware                | 134.69             |
| Bill                   | 03/31/2012        | 83701        |  | Acrobat software for Gerry's system | 6054 · Computer Software                | 377.13             |
| Bill                   | 03/31/2012        | 83946        |  | Replacement workstation for Gerry   | 6055 · Computer Hardware                | 1,346.88           |
| Bill                   | 04/16/2012        | 84087        |  | Mic kit for polycom in Boardroom    | 6055 · Computer Hardware                | 269.38             |
| TOTAL                  |                   |              |  |                                     |   | 2,319.26           |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15974</b> | <b>CORELOGIC INFORMATION SOLUTIONS</b>     | <b>80470876</b>                     | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 03/31/2012        | 80470876     |  | 80470876                            | 7103.7 · Grdwtr Qual-Computer Svc       | 62.50              |
|                        |                   |              |  | 80470876                            | 7101.4 · Prod Monitor-Computer          | 62.50              |
| TOTAL                  |                   |              |  |                                     |   | 125.00             |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15975</b> | <b>CUCAMONGA VALLEY WATER DISTRICT</b>     | <b>Lease Due May 1, 2012</b>        | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 04/16/2012        |              |  | Lease Due May 1, 2012               | 1422 · Prepaid Rent                     | 5,984.00           |
| TOTAL                  |                   |              |  |                                     |   | 5,984.00           |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15976</b> | <b>EGOSCUE LAW GROUP</b>                   | <b>10035</b>                        | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 03/31/2012        | 10035        |  | Ag Pool Legal Service - March 2012  | 8467 · Ag Legal & Technical Services    | 7,122.50           |
| TOTAL                  |                   |              |  |                                     |   | 7,122.50           |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15977</b> | <b>GUARANTEED JANITORIAL SERVICE, INC.</b> | <b>1-29007</b>                      | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 04/17/2012        | 1-29007      |  | Jantorial service - April 2012      | 6024 · Building Repair & Maintenance    | 865.00             |
| TOTAL                  |                   |              |  |                                     |   | 865.00             |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15978</b> | <b>LEGAL SHIELD</b>                        | <b>111802</b>                       | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 04/17/2012        | 111802       |  | Employee deductions - April 2012    | 60194 · Other Employee Insurance        | 25.90              |
| TOTAL                  |                   |              |  |                                     |   | 25.90              |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15979</b> | <b>PITNEY BOWES CREDIT CORPORATION</b>     | <b>6684246</b>                      | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 04/17/2012        | 6684246      |  | Quarterly leasing charge            | 6044 · Postage Meter Lease              | 546.30             |
| TOTAL                  |                   |              |  |                                     |   | 546.30             |
| <b>Bill Pmt -Check</b> | <b>04/19/2012</b> | <b>15980</b> | <b>PREMIERE GLOBAL SERVICES</b>            | <b>10984472</b>                     | <b>1012 · Bank of America Gen'l Ckg</b> |                    |
| Bill                   | 03/31/2012        | 10984472     |  | Agenda call on 2/28/12              | 8312 · Meeting Expenses                 | 14.54              |
|                        |                   |              |  | Agenda call on 2/28/12              | 8412 · Meeting Expenses                 | 14.53              |
|                        |                   |              |  | Agenda call on 2/28/12              | 8512 · Meeting Expense                  | 14.53              |
|                        |                   |              |  | Non-Ag pool meeting call on 3/08/12 | 8512 · Meeting Expense                  | 94.92              |
|                        |                   |              |  | RMPU review call on 3/13/12         | 7204 · Comp Recharge-Supplies           | 6.63               |
|                        |                   |              |  | Service fee                         | 6022 · Telephone                        | 14.95              |
|                        |                   |              |  | Service fee                         | 6022 · Telephone                        | 3.35               |
| TOTAL                  |                   |              |  |                                     |   | 163.45             |

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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> |
|-----------------|-------------|------------|-------------------------------|--|----------------------------------|--------------------|
| Bill Pmt -Check | 04/19/2012  | 15981      | STAULA, MARY L                | Retiree Medical                                | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 04/30/2012  |            |                               |  | 60182.4 · Retiree Medical        | 136.61             |
| TOTAL           |             |            |                               |  |                                  | 136.61             |
| Bill Pmt -Check | 04/19/2012  | 15982      | VERIZON BUSINESS              | 68135194                                       | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 04/17/2012  | 68135194   |                               | 68135194                                       | 6053 · Internet Expense          | 1,558.87           |
| TOTAL           |             |            |                               |  |                                  | 1,558.87           |
| Bill Pmt -Check | 04/19/2012  | 15983      | VERIZON WIRELESS              | 1072181982                                     | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 04/17/2012  | 1072181982 |                               | Wireless monthly service                       | 6022 · Telephone                 | 324.14             |
| TOTAL           |             |            |                               |  |                                  | 324.14             |
| Bill Pmt -Check | 04/19/2012  | 15984      | WESTERN DENTAL SERVICES, INC. | 002483   | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 04/17/2012  | 002483     |                               | Dental Insurance Premium - May 2012            | 60182.2 · Dental & Vision Ins    | 28.88              |
| TOTAL           |             |            |                               |  |                                  | 28.88              |
| Bill Pmt -Check | 04/19/2012  | 15985      | AWWA                          | VOID:  | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 03/31/2012  | 4          | CHINO HILLS, CITY OF*         | 4  | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 03/31/2012  | 4          |                               | 4  | 7107.6 · Grd Level-Contract Svcs | 1,426.25           |
| TOTAL           |             |            |                               |  |                                  | 1,426.25           |
| Bill Pmt -Check | 04/19/2012  | 15987      | GEOTECHNICAL SERVICES         | 14949  | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 03/31/2012  | 14949      |                               | 14949  | 7104.6 · Grdwtr Level-Supplies   | 450.17             |
| TOTAL           |             |            |                               |  |                                  | 450.17             |
| Bill Pmt -Check | 04/19/2012  | 15988      | MIJAC ALARM                   | 2634   | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 03/31/2012  | 2634       |                               | Alarm monitoring from 3/01/12-5/31/12          | 6026 · Security Services         | 396.00             |
| TOTAL           |             |            |                               |  |                                  | 396.00             |
| Bill Pmt -Check | 04/19/2012  | 15989      | PETTY CASH                    | 2397-2411                                      | 1012 · Bank of America Gen'l Ckg |                    |
| Bill            | 04/17/2012  |            |                               | Purchase mousepad, batteries, card reader      | 6031.7 · Other Office Supplies   | 44.54              |
|                 |             |            |                               | Cakes and supplies for office birthdays        | 6141.1 · Meeting Supplies        | 59.37              |
|                 |             |            |                               | Purchase gas for field truck                   | 6175 · Vehicle Fuel              | 40.00              |
|                 |             |            |                               | Supplies-Advisory Committee mtgs on 1/19, 2/15 | 6212 · Meeting Expense           | 49.14              |
|                 |             |            |                               | Train fare-Maurizio-MWD Replenishmnt workshop  | 6909.1 · OBMP Meetings           | 33.00              |
|                 |             |            |                               | Supplies for 1/17 GRCC mtg                     | 7204 · Comp Recharge-Supplies    | 15.50              |
|                 |             |            |                               | Supplies-Approp. Pool Mtgs on 1/12, 2/09, 3/08 | 8312 · Meeting Expenses          | 58.26              |

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|-------|-----------------|-------------|--------------|--------------------------------------|--|-------------------------------------|--------------------|
| TOTAL |                 |             |              |                                      |  |                                     | 299.81             |
|       | Bill Pmt -Check | 04/24/2012  | 15990        | CUCAMONGA VALLEY IAAP                | April 25, 2012 Cucamonga Valley IAAP Mtging    | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 04/23/2012  |              |                                      | Fee for Wilson & Molino - IAAP Holiday Meeting | 6192 · Training & Seminars          | 50.00              |
| TOTAL |                 |             |              |                                      |  |                                     | 50.00              |
|       | Bill Pmt -Check | 04/24/2012  | 15991        | GEOTECHNICAL SERVICES                | VOID: 14949                                    | 1012 · Bank of America Gen'l Ckg    |                    |
| TOTAL |                 |             |              |                                      |  |                                     |                    |
|       | Bill Pmt -Check | 04/24/2012  | 15992        | HOGAN LOVELLS                        | 2650292  | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 03/31/2012  | 2650292      |                                      | Non-Ag Pool Legal Services - March 2012        | 8567 · Non-Ag Legal Service         | 19,068.32          |
| TOTAL |                 |             |              |                                      |  |                                     | 19,068.32          |
|       | Bill Pmt -Check | 04/24/2012  | 15993        | MWH LABORATORIES                     |  | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 03/31/2012  | L0079291     |                                      | L0079291                                       | 7108.4 · Hydraulic Control-Lab Svcs | 2,065.00           |
|       | Bill            | 03/31/2012  | L0079292     |                                      | L0079292                                       | 7108.4 · Hydraulic Control-Lab Svcs | 615.00             |
|       | Bill            | 03/31/2012  | L0079420     |                                      | L0079420                                       | 7108.4 · Hydraulic Control-Lab Svcs | 1,770.00           |
|       | Bill            | 03/31/2012  | L0080702     |                                      | L0080702                                       | 7108.4 · Hydraulic Control-Lab Svcs | 1,532.00           |
|       | Bill            | 03/31/2012  | L0080709     |                                      | L0080709                                       | 7108.4 · Hydraulic Control-Lab Svcs | 615.00             |
|       | Bill            | 03/31/2012  | L0080710     |                                      | L0080710                                       | 7108.4 · Hydraulic Control-Lab Svcs | 2,065.00           |
|       | Bill            | 03/31/2012  | L0080881     |                                      | L0080881                                       | 7108.4 · Hydraulic Control-Lab Svcs | 2,065.00           |
|       | Bill            | 03/31/2012  | L0082868     |                                      | L0082868                                       | 7108.4 · Hydraulic Control-Lab Svcs | 615.00             |
|       | Bill            | 03/31/2012  | L0082869     |                                      | L0082869                                       | 7108.4 · Hydraulic Control-Lab Svcs | 2,065.00           |
| TOTAL |                 |             |              |                                      |  |                                     | 13,407.00          |
|       | Bill Pmt -Check | 04/24/2012  | 15994        | RAUCH COMMUNICATION CONSULTANTS, LLC | Arp-2012                                       | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 04/20/2012  | Apr-2012     |                                      | Progress Billing - Watermaster Annual Report   | 6061.3 · Rauch                      | 1,372.50           |
| TOTAL |                 |             |              |                                      |  |                                     | 1,372.50           |
|       | Bill Pmt -Check | 04/24/2012  | 15995        | SPECIALIZED SERVICES OF SO CAL       | CPR Training for Office                        | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 04/23/2012  | CPR Training |                                      | CPR Training for Watermaster staff             | 6192 · Training & Seminars          | 400.00             |
| TOTAL |                 |             |              |                                      |  |                                     | 400.00             |
|       | Bill Pmt -Check | 04/24/2012  | 15996        | WILDERMUTH ENVIRONMENTAL INC         |  | 1012 · Bank of America Gen'l Ckg    |                    |
|       | Bill            | 03/31/2012  | 2012064      |                                      | 2012064 - OBMP Engineering Services            | 6906 · OBMP Engineering Services    | 3,132.67           |
|       | Bill            | 03/31/2012  | 2012065      |                                      | 2012065 - OBMP Engineering Services            | 6906 · OBMP Engineering Services    | 2,155.00           |
|       | Bill            | 03/31/2012  | 2012066      |                                      | 2012066 - OBMP Engineering Services            | 6906 · OBMP Engineering Services    | 9,780.00           |
|       | Bill            | 03/31/2012  | 2012067      |                                      | 2012067 - Grdwtr Qual-Engineering              | 7103.3 · Grdwtr Qual-Engineering    | 1,007.50           |
|       | Bill            | 03/31/2012  | 2012068      |                                      | 2012068 - Grdwtr Level-Engineering             | 7104.3 · Grdwtr Level-Engineering   | 17,347.59          |
|       | Bill            | 03/31/2012  | 2012069      |                                      | 2012069 - Grd Level-Engineering                | 7107.2 · Grd Level-Engineering      | 2,326.25           |

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|------------------------|-------------------|--------------|--|--|--|--------------------|
|                        |                   |              |  | Neva Ridge                                     | 7107.6 · Grd Level-Contract Svcs         | 14,400.00          |
| Bill                   | 03/31/2012        | 2012070      |  | 2012070 - Grd Level-Engineering                | 7107.2 · Grd Level-Engineering           | 8,728.76           |
|                        |                   |              |  | Associated Engineers                           | 7107.6 · Grd Level-Contract Svcs         | 5,000.00           |
|                        |                   |              |  | Tom Dodson & Assoc.                            | 7107.6 · Grd Level-Contract Svcs         | 3,500.00           |
| Bill                   | 03/31/2012        | 2012071      |  | 2012071 - Hydraulic Control-Engineering        | 7108.3 · Hydraulic Control-Engineering   | 8,859.86           |
| Bill                   | 03/31/2012        | 2012072      |  | 2012072 - Hydraulic Control-Engineering        | 7108.3 · Hydraulic Control-Engineering   | 1,231.03           |
| Bill                   | 03/31/2012        | 2012073      |  | 2012073 - Hydraulic Control-Engineering        | 7108.3 · Hydraulic Control-Engineering   | 40,508.75          |
| Bill                   | 03/31/2012        | 2012074      |  | 2012074 - PE3&5-Engineering                    | 7303 · PE3&5-Engineering                 | 1,485.26           |
| Bill                   | 03/31/2012        | 2012075      |  | 2012075 - PE4-Engineering                      | 7402 · PE4-Engineering                   | 5,823.74           |
| Bill                   | 03/31/2012        | 2012076      |  | 2012076 - Comp Recharge-Implementation         | 7202.3 · Comp Recharge-Implementation    | 29,680.75          |
| Bill                   | 03/31/2012        | 2012077      |  | 2012077 - OBMP - Watermaster Model Update      | 6905.1 · OBMP - Watermaster Model Update | 37,540.50          |
| <b>TOTAL</b>           |                   |              |  |  |  | <b>192,507.66</b>  |
| <b>Bill Pmt -Check</b> | <b>04/25/2012</b> | <b>15997</b> | <b>BROWNSTEIN HYATT FARBER SCHRECK</b> |  | <b>1012 · Bank of America Gen'l Ckg</b>  |                    |
| Bill                   | 03/31/2012        | 500184       |  | 500184 - BHFS Legal - Appropriative Pool       | 8375 · BHFS Legal - Appropriative Pool   | 2,089.27           |
|                        |                   |              |  | 500184 - BHFS Legal - Agricultural Pool        | 8475 · BHFS Legal - Agricultural Pool    | 2,020.65           |
|                        |                   |              |  | 500184 - BHFS Legal - Non-Ag Pool              | 8575 · BHFS Legal - Non-Ag Pool          | 2,328.90           |
|                        |                   |              |  | 500184 - BHFS Legal - Advisory Committee       | 6275 · BHFS Legal - Advisory Committee   | 447.66             |
|                        |                   |              |  | 500184 - BHFS Legal - Board Meeting            | 6375 · BHFS Legal - Board Meeting        | 5,619.75           |
|                        |                   |              |  | 500184 - BHFS Legal - Restated Judgment        | 6072 · BHFS Legal - Restated Judgment    | 3,559.50           |
|                        |                   |              |  | 500184 - BHFS Legal - Miscellaneous            | 6078 · BHFS Legal - Miscellaneous        | 4,183.85           |
|                        |                   |              |  | 500184 - Desalter/Hydraulic Control            | 6907.33 · Desalter/Hydraulic Control     | 825.30             |
|                        |                   |              |  | 500184 - Paragraph 31 Motion                   | 6907.35 · Paragraph 31 Motion            | 6,437.70           |
|                        |                   |              |  | 500184 - Recharge Master Plan                  | 6907.39 · Recharge Master Plan           | 4,187.70           |
| Bill                   | 03/31/2012        | 500185       |  | 500185 - Santa Ana River Water Rights          | 6907.34 · Santa Ana River Water Rights   | 1,918.35           |
| Bill                   | 03/31/2012        | 500186       |  | 500186 - Desalter/Hydraulic Control            | 6907.33 · Desalter/Hydraulic Control     | 105.30             |
| Bill                   | 03/31/2012        | 500187       |  | 500187 - Paragraph 31 Motion                   | 6907.35 · Paragraph 31 Motion            | 24,944.52          |
| <b>TOTAL</b>           |                   |              |  |  |  | <b>58,668.45</b>   |
| <b>Bill Pmt -Check</b> | <b>04/25/2012</b> | <b>15998</b> | <b>CALPERS</b>                         | <b>1394905143</b>                              | <b>1012 · Bank of America Gen'l Ckg</b>  |                    |
| Bill                   | 04/23/2012        | 1394905143   |  | Medical Insurance Premium - May 2012           | 60182.1 · Medical Insurance              | 5,665.88           |
| <b>TOTAL</b>           |                   |              |  |  |  | <b>5,665.88</b>    |
| <b>Bill Pmt -Check</b> | <b>04/25/2012</b> | <b>15999</b> | <b>CALPERS 457 PLAN</b>                | <b>Payroll and Taxes for 04/01/12-04/14/12</b> | <b>1012 · Bank of America Gen'l Ckg</b>  |                    |
| General Journal        | 04/14/2012        | 4/14/2012    | CALPERS 457 PLAN                       | 457 Employee Deductions for 04/01/12-04/14/12  | 2000 · Accounts Payable                  | 2,803.60           |
| <b>TOTAL</b>           |                   |              |  |  |  | <b>2,803.60</b>    |
| <b>Bill Pmt -Check</b> | <b>04/25/2012</b> | <b>16000</b> | <b>DGO AUTO DETAILING</b>              |  | <b>1012 · Bank of America Gen'l Ckg</b>  |                    |
| Bill                   | 04/23/2012        |              |  | Wash 4 trucks on 4/19/12                       | 6177 · Vehicle Repairs & Maintenance     | 100.00             |
| <b>TOTAL</b>           |                   |              |  |  |  | <b>100.00</b>      |

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|-----------------|------------|-----------------|-------------------------------------|---|-----------------------------------|------------------|
| Bill Pmt -Check | 04/25/2012 | 16001           | DIRECTV                             | 019447404                                   | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 04/23/2012 | 019447404       |                                     | Monthly service for 4/19/12 - 5/18/12       | 6031.7 · Other Office Supplies    | 89.99            |
| TOTAL           |            |                 |                                     |   |                                   | <u>89.99</u>     |
| Bill Pmt -Check | 04/25/2012 | 16002           | EISENBERG AND HANCOCK, LLP          | Appropriative Pool Legal Services           | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 03/31/2012 | 99-1            |                                     | Appropriative Pool Legal Services: 99-1     | 8367 · Legal Service              | 2,666.30         |
| Bill            | 03/31/2012 | 99-1            |                                     | Appropriative Pool Legal Services: 99-1     | 8367 · Legal Service              | 9,975.00         |
| TOTAL           |            |                 |                                     |   |                                   | <u>12,641.30</u> |
| Bill Pmt -Check | 04/25/2012 | 16003           | HORVITZ & LEVY, LLP                 | Appropriative Pool Legal Services           | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 03/31/2012 | 68624           |                                     | Appropriative Pool Legal Services - 68624   | 8367 · Legal Service              | 20,831.13        |
| Bill            | 03/31/2012 | 68383           |                                     | Appropriative Pool Legal Services - 68383   | 8367 · Legal Service              | 45,327.65        |
| TOTAL           |            |                 |                                     |   |                                   | <u>66,158.78</u> |
| Bill Pmt -Check | 04/25/2012 | 16004           | INLAND EMPIRE UTILITIES AGENCY      | 90009734                                    | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 03/31/2012 | 90009734        |                                     | 90009734                                    | 8456 · IEUA Readiness To Serve    | 552.90           |
| TOTAL           |            |                 |                                     |   |                                   | <u>552.90</u>    |
| Bill Pmt -Check | 04/25/2012 | 16005           | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | Payor #3493                                 | 1012 · Bank of America Gen'l Ckg  |                  |
| General Journal | 04/14/2012 | 12/04/02        | PUBLIC EMPLOYEES' RETIREMENT SYSTEM | CalPERS Retirement for 04/01/12-04/14/12    | 2000 · Accounts Payable           | 8,054.01         |
| TOTAL           |            |                 |                                     |   |                                   | <u>8,054.01</u>  |
| Bill Pmt -Check | 04/25/2012 | 16006           | STANDARD INSURANCE CO.              | Policy # 00-640888-0009                     | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 04/25/2012 | 006408880009    |                                     | Life Insurance - Policy # 00-640888-0009    | 60191 · Life & Disab.Ins Benefits | 525.66           |
| TOTAL           |            |                 |                                     |   |                                   | <u>525.66</u>    |
| Bill Pmt -Check | 04/25/2012 | 16007           | THE LAWTON GROUP                    | 6017  | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 04/15/2012 | IVC070000018401 |                                     | Week ending 4/15/12                         | 6017 · Temporary Services         | 213.76           |
| TOTAL           |            |                 |                                     |   |                                   | <u>213.76</u>    |
| Bill Pmt -Check | 04/25/2012 | 16008           | UNITED HEALTHCARE                   | 0027499700                                  | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 04/23/2012 | 0027499700      |                                     | Dental Insurance Premium - May 2012         | 60182.2 · Dental & Vision Ins     | 643.52           |
| TOTAL           |            |                 |                                     |   |                                   | <u>643.52</u>    |
| Bill Pmt -Check | 04/25/2012 | 16009           | VISION SERVICE PLAN                 | 00-101789-0001                              | 1012 · Bank of America Gen'l Ckg  |                  |
| Bill            | 04/23/2012 | 001017890001    |                                     | Vision Insurance Premium - May 2012         | 60182.2 · Dental & Vision Ins     | 26.71            |
| TOTAL           |            |                 |                                     |   |                                   | <u>26.71</u>     |
| Bill Pmt -Check | 04/26/2012 | 16010           | EL TORITO                           | Lunch for 4/26/12 Watermaster Board Meeting | 1012 · Bank of America Gen'l Ckg  |                  |

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|-------------|-------------|------------|-------------|---|-----------------------------|---------------------------------|
| Bill        | 04/26/2012  |            |             | Lunch for 4/26/12 Watermaster Board Meeting | 6312 - Meeting Expenses     | 369.35                          |
| TOTAL       |             |            |             |   |                             | <u>369.35</u>                   |
|             |             |            |             |   | <b>Total Disbursements:</b> | <b><u><u>692,022.72</u></u></b> |

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