AGENDA

REGULAR MEETING OF THE
PROJECT AGREEMENT 23 COMMITTEE
Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

Committee Members:
Thomas P. Evans, Chair, Western Municipal Water District Governing Board President
Jasmin A. Hall, Vice Chair, Inland Empire Utilities Agency Governing Board Secretary/Treasurer
Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board President
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

TUESDAY, JUNE 6, 2017 – 8:30 A.M.

1. CALL TO ORDER (Thomas P. Evans, Chair)

2. PUBLIC COMMENTS
Members of the public may address the Committee on items within the jurisdiction of the Committee; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

3. APPROVAL OF MEETING MINUTES: APRIL 4, 2017
Recommendation: Approve as posted.

4. COMMITTEE DISCUSSION ITEMS
A. PROJECT AGREEMENT 23 COMMITTEE BUDGET FOR FISCAL YEARS ENDING 2018 and 2019 (PA23#2017.3)
Presenter: Ian Achimore
Recommendation: Adopt the PA 23 Committee Budget for Fiscal Years ending 2018 and 2019.

B. SARCCUP PROJECT MANAGEMENT SERVICES – CONSULTANT SUPPORT (PA23#2017.4)
Presenter: Mark Norton
Recommendation: Authorize the approval of Task Order No. 2 in the amount not-to-exceed $260,515 with Woodard & Curran (formerly named RMC Water & Environment Inc.) for project management services to support the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP).

C. SARCCUP CONSERVATION MEASURES COST SHARING AGREEMENT
Presenter: Mark Norton
5. INFORMATIONAL REPORTS

Recommendation: Receive and file the following oral/written reports/updates.

A. SARCCUP DETAILED SCHEDULE
   Presenters: RMC | Woodard & Curran

B. CALIFORNIA ENVIRONMENTAL QUALITY ACT DOCUMENTS STATUS
   Presenter: IEUA

C. METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA AGREEMENTS STATUS
   Presenters: EMWD | SBVMWD

D. SUB-AGREEMENTS STATUS
   Presenter: SAWPA

6. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

7. ADJOURNMENT

PLEASE NOTE:
In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board at (951) 354-4230. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility to this meeting.

Materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting
I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Thursday, June 1, 2017, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted in SAWPA's office at 11615 Sterling Avenue, Riverside, California.

/s/
Kelly Berry, CMC

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**2017 Project Agreement 23 Committee Regular Meetings**
First Tuesday of Every Other Month
(Note: All meetings will be held at 8:30 a.m., unless otherwise noticed, and are held at SAWPA.)

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Agenda Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>6/6/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>August</td>
<td>8/1/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>October</td>
<td>10/3/17</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>December</td>
<td>12/5/17</td>
<td>Regular Committee Meeting</td>
</tr>
</tbody>
</table>
COMMITTEE MEMBERS PRESENT
Jasmin A. Hall, Inland Empire Utilities Agency Governing Board Secretary/Treasurer
Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board President [Acting Chair]
Brenda Dennstedt, Alternate, Western Municipal Water District Governing Board Vice President
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]
Gil Navarro, San Bernardino Valley Municipal Water District Governing Board Vice President

COMMITTEE MEMBERS ABSENT
Thomas P. Evans, Western Municipal Water District Governing Board President

MEMBER AGENCY STAFF PRESENT
Eastern Municipal Water District
   Brian Powell
   Kelley Gage

Inland Empire Utilities Agency
   Sylvie Lee

San Bernardino Valley Municipal Water District
   Bob Tincher

Western Municipal Water District
   John Rossi
   Craig Miller
   Ryan Shaw

Orange County Water District
   Adam Hutchinson

Santa Ana Watershed Project Authority
   Larry McKenney
   Mark Norton
   Nicole Weideman
   Ian Achimore
   Kelly Berry

OTHERS PRESENT
Scott Goldman, Woodard & Curran

1. CALL TO ORDER (Susan Lien Longville, Acting Chair)
The special meeting of the PA 23 Committee was called to order at 10:30 a.m. by Acting Chair Longville at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.
2. **PUBLIC COMMENTS**

   There were no public comments.

3. **ACKNOWLEDGE NEW COMMITTEE MEMBERS AND ELECTION OF COMMITTEE CHAIR AND VICE CHAIR**

   The Committee acknowledged the following new Committee members recently appointed to the PA 23 Committee by their respective governing Boards:

   **IEUA:** Jasmin A. Hall, Committee Member (replaces Joe Grindstaff)
   Kati Parker, Alternate Committee Member

   **SBVMWD:** Susan Lien Longville, Committee Member (replaces Douglas Headrick)
   Gil Navarro, Alternate Committee Member

   **WMWD:** Brenda Dennstedt, Alternate Committee Member (replaces John Rossi)

   Acting Chair Longville called for nominations for Chair and Vice Chair of the PA 23 Committee. Jasmin A. Hall nominated Thomas P. Evans as Chair; Brenda Dennstedt nominated Jasmin A. Hall as Vice Chair. There being no further nominations, Acting Chair Longville announced nominations were closed and called for a roll call vote on the election of Thomas P. Evans as Chair and Jasmin A. Hall as Vice Chair.

   **MOVED,** elect Thomas P. Evans as Chair of the PA 23 Committee.

   **Result:** Adopted (Unanimously; 5-0)
   **Motion/Second:** Hall/Longville
   **Ayes:** Dennstedt, Hall, Jones, Longville, Markus
   **Nays:** None
   **Abstentions:** None
   **Absent:** None

   **MOVED,** elect Jasmin A. Hall as Vice Chair of the PA 23 Committee.

   **Result:** Adopted (Unanimously; 5-0)
   **Motion/Second:** Dennstedt/Hall
   **Ayes:** Dennstedt, Hall, Jones, Longville, Markus
   **Nays:** None
   **Abstentions:** None
   **Absent:** None

4. **SET REGULAR PA 23 COMMITTEE MEETING SCHEDULE**

   The Committee considered staff’s recommendation to set the PA 23 Committee meetings on the first Tuesday of every other month, immediately following the regular Commission meeting, but no earlier than 10:30 a.m. Paul Jones made a motion that the meeting schedule remain as currently set (fourth Thursday of every other month immediately following the regular meetings of the PA 22 Committee, but no earlier than 8:30 a.m.), which was seconded by Mike Markus. A discussion ensued and vote was taken. Paul Jones then proposed the PA 23 Committee meetings occur the same day as the Commission meeting on the first Tuesday of every other month, but before the
Commission meetings; the consensus was to begin the meetings at 8:30 a.m.

MOVED, beginning in June 2017, the regular meetings of the PA 23 Committee shall be held at 8:30 a.m. on the first Tuesday of every other month, at 11615 Sterling Avenue, Riverside, California. The next regular meeting will be held June 6, 2017.

Result: Adopted (Unanimously; 5-0)
Motion/Second: Jones/Longville
Ayes Dennstedt, Hall, Jones, Longville, Markus
Nays: None
Abstentions: None
Absent: None

Vice Chair Hall commenced chairing the meeting at this point.

5. APPROVAL OF MEETING MINUTES: JANUARY 26, 2017

MOVED, approve the January 26, 2017 meeting minutes.

Result: Adopted (Unanimously; 5-0)
Motion/Second: Markus/Jones
Ayes Dennstedt, Hall, Jones, Longville, Markus
Nays: None
Abstentions: None
Absent: None

6. COMMITTEE DISCUSSION ITEMS

A. IMPACT OF DECISION SUPPORT MODEL RESULTS TO SARCCUP PROJECT FACILITIES (PA23#2017.1)

Bob Tincher, SBVMWD provided a PowerPoint presentation titled SARCCUP Optimization Model Results which included the SARCCUP Groundwater Bank and Groundwater Bank Goals, Modeling Goals and Objectives, Projections of Future Baseline Water Supply and Demands; Available Supply; SARCCUP Recharge and Extraction Operation Examples; and Modeling Key Findings. Tincher recommended authorizing funds for CH2M to perform additional modeling and outlined questions the modeling would answer to assist in planning the project, and postponing the Master Plan until this modeling is complete.

MOVED, conceptually support the direction expressed in staff’s recommendations subject to final reconciliation of the change order budget and approval by the individual member agencies.

Result: Adopted (Unanimously)
Motion/Second: Jones/Longville
Ayes Dennstedt, Hall, Jones, Longville, Markus
Nays: None
Abstentions: None
Absent: None
B. **SUPPORT REQUEST FOR PROPOSALS FOR SARCCUP MASTER PLAN**  
*(PA23#2017.2)*  
Bob Tincher recommended postponing Agenda Item No. 6.B. to be brought back before the Committee at a later date when necessary.

7. **INFORMATIONAL REPORTS**  
Recommendation: Receive and file the following oral/written reports/updates.

A. **SARCCUP DETAILED SCHEDULE**  
**Presenters:** RMC | Woodard & Curran  
Brian Dietrick provided a PowerPoint presentation with the updated SARCCUP Project Schedule. There were no current impacts to the construction schedule.

B. **CALIFORNIA ENVIRONMENTAL QUALITY ACT DOCUMENTS STATUS**  
**Presenter:** IEUA  
Sylvie Lee provided an oral status update; the programmatic EIR could be delayed by a couple of months pending the results from the additional CH2M modeling discussed earlier.

C. **SARCCUP CONSERVATION MEASURES COST SHARING AGREEMENT**  
**Presenter:** WMWD  
Ryan Shaw provided an oral report. The intent of the agreement is to ensure there is no delay in funding for conservation measures while the banking aspects of SARCCUP are in development. This agreement is in draft form; staff will continue to discuss and develop and provide future updates.

D. **METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA AGREEMENTS STATUS**  
**Presenters:** EMWD | SBVMWD  
Paul Jones provided an oral report on recent meetings with MWD staff to discuss the SARCCUP project. Jones anticipates two agreements – one between MWD and SBVMWD for the sale of surplus state water project water, and the second is a reciprocal agreement with the MWD member agencies to be able to acquire that water from MWD for storage in the SARCCUP facilities located in the MWD service area and crediting that water as “extraordinary supply.” Water delivery and storage options were also discussed, as well as assurances from MWD to its member agencies the terms are ongoing – perhaps in the form of an operating agreement with the SARCCUP member agencies.

E. **SUB-AGREEMENTS STATUS**  
**Presenter:** SAWPA  
Mark Norton advised EMWD has approved their sub-agreement with SAWPA for SARCCUP. Staff anticipates an executed sub-agreement with SBVMWD by mid-May. OCWD representatives have indicated they are awaiting the programmatic EIR before taking it to their Board for approval. Due to project changes under the DSM, WMWD’s sub-agreement is in a hold status. IEUA has indicated they are also awaiting completion of the programmatic EIR and are working on their institutional agreements with Chino Basin Watermaster.

F. **PROJECT AGREEMENT 23 COMMITTEE REPRESENTATION UPDATE AND MEETING SCHEDULE**
8. **COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

   There were no requests for future agenda items.

9. **ADJOURNMENT**

   There being no further business for review, Vice Chair Hall adjourned the meeting at 12:18 p.m.

Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, June 6, 2017.

________________________________
Thomas P. Evans, Chair

Attest:

________________________________
Kelly Berry, CMC
Clerk of the Board
DATE: June 6, 2017
TO: SAWPA Project Agreement 23 Committee
SUBJECT: Project Agreement 23 Committee Budget for Fiscal Years Ending 2018 and 2019
PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION
It is recommended that the Project Agreement 23 (PA 23) Committee adopt the PA 23 Committee Budget for Fiscal Years Ending (FYsE) 2018 and 2019.

DISCUSSION
The SAWPA member agencies, the Santa Ana Conservation and Conjunctive Use Program (SARCCUP) project proponents, have executed PA 23 and several Memorandums of Understanding related to financing the overall SARCCUP Project. SARCCUP includes several components including Arundo donax removal, Santa Ana sucker fish habitat creation, conjunctive use implementation, and water use efficiency. In order for the PA 23 Committee to take action on expenditures related to SARCCUP, the Committee must adopt a budget. Before expenditures such as consultant contracts can be approved by the Committee it must be adopted by each of respective boards of the five PA 23 member agencies. This timing of adoption by the PA 23 Committee corresponds with the approval necessary for the two year SAWPA budget. For ease of adoption by the SAWPA member agencies’ elected boards this PA 23 Committee budget will be included in the SAWPA two year budget.

The FYsE 2018 and 2019 PA 23 Committee budget is based on the funding table used in the application to the California Department of Water Resources (DWR) for Proposition 84 2015 Integrated Regional Water Management (IRWM) State grant funding that was prepared by the SAWPA member agencies and their past consultant, Dudek. Since the application’s approval by DWR, SAWPA staff have worked with the member agencies to refine the funding table, attached as the “SARCCUP Funding by Task,” showing the funding associated by agency and by task. The SARCCUP Agencies are Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD), San Bernardino Valley Municipal Water District (SBVMWD) and Western Municipal Water District (WMWD).

In order to reflect the SAWPA budget process as required per Section 10 of PA 23, SARCCUP tasks were separated by fiscal year over the projected five years of funding and implementation. The SARCCUP Funding by Task Table shows funding associated over the life of the SARCCUP project in two main categories: 1) grant amount, and 2) local match, which total to $55,000,000 and $46,272,899 respectively. In comparison to the SARCCUP Funding by Task Budget, the Committee budget just shows two years as SAWPA budgets on a bi-annual cycle.

Since the PA 23 Committee budget employs the normal SAWPA budget structure, it does not include funding that is not managed by SAWPA for grant reimbursement to an outside agency, or not managed by SAWPA for its own program expenses. Thus, not shown is the funding considered local match by the agencies (i.e. non-State funds). These funds will be transferred between the SARCCUP agencies to equally share in the SARCCUP Project pending a
SARCCUP financing agreement to be developed. In order to show those estimated funding amounts itemized by the SARCCUP agency, a projection of expenditures is provided below. This projection is for informational purposes and does not constitute a budget.

### Expenditure Projections by SARCCUP Agencies

<table>
<thead>
<tr>
<th>Description</th>
<th>Projected 6/30/2017</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
<th>FYE 2020</th>
<th>FYE 2021</th>
<th>FYE 2022</th>
<th>Grant + Local Match</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEUA</td>
<td>$5,093,060</td>
<td>$5,298,260</td>
<td>$5,133,060</td>
<td>$5,133,060</td>
<td>$5,133,060</td>
<td>$5,133,060</td>
<td>$30,923,561</td>
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<tr>
<td>OCWD</td>
<td>$706,996</td>
<td>$912,196</td>
<td>$746,996</td>
<td>$746,996</td>
<td>$746,996</td>
<td>$746,996</td>
<td>$4,607,178</td>
</tr>
<tr>
<td>SBVMWD</td>
<td>$5,640,087</td>
<td>$5,845,287</td>
<td>$5,680,087</td>
<td>$5,680,087</td>
<td>$5,680,087</td>
<td>$5,680,087</td>
<td>$34,205,720</td>
</tr>
<tr>
<td>Total</td>
<td>$16,270,150</td>
<td>$17,296,150</td>
<td>$16,470,150</td>
<td>$16,470,150</td>
<td>$16,470,150</td>
<td>$16,470,150</td>
<td>$99,446,899*</td>
</tr>
</tbody>
</table>

*The sum of the agencies expenditures in the “Grant + Match” column is different by $2 from the Total Expenditures due to rounding.

The $1,826,000 in funding (which would bring the SARCCUP Project costs to its $101,272,899 total as shown in the SARCCUP Funding by Task Table) is not shown in the above table since SAWPA is receiving that grant funding from the State on a reimbursement basis for program expenses such as PA 23 Committee management.

The expenditure projections were developed using a simple methodology that assumed the total amount of funding would be evenly outlaid each fiscal year. FYE 2018 has a different level of funding than the other fiscal years because some of the expenditures for the water use efficiency component will be outlaid upfront, as opposed to each year in the project’s timeline. Although some agencies show more expenses, they have agreed through the 2015 Amendment to the 2014 SARCCUP Memorandum of Understanding, to share equally in the estimated local match (i.e. non-State funded costs) for SARCCUP implementation. In order to share in these costs, the SARCCUP agencies will have to enter into a financial agreement that tracks all SARCCUP expenditures and invoices agencies so each agency shares equally in the total local match. As shown in the SARCCUP Funding by Task Table, the equal share of the total local match is $9,254,579.

The PA 23 Committee budget for approval below is excerpted from the SAWPA budget presented in the May 16, 2017 SAWPA Commission agenda packet. A portion of the funds are managed internally by SAWPA and the remaining funds are passed through SAWPA to the SARCCUP agencies. The local match provided by the SARCCUP agencies is identified as “participant fees”.

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*The sum of the agencies expenditures in the “Grant + Match” column is different by $2 from the Total Expenditures due to rounding.
FYE 2018 PA 23 Committee Budget

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant – SAWPA Implementation</td>
<td>$308,885</td>
</tr>
<tr>
<td>Grant – Pass Through to SARCCUP Agencies</td>
<td>$8,862,335</td>
</tr>
<tr>
<td>Participant Fees</td>
<td>$453,612</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$9,624,832</strong></td>
</tr>
</tbody>
</table>

Use of Funds – SAWPA Implementation

<table>
<thead>
<tr>
<th></th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor</td>
<td>$58,474</td>
</tr>
<tr>
<td>Benefits</td>
<td>$25,544</td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>$82,496</td>
</tr>
<tr>
<td>Consulting and Professional Services</td>
<td>$260,515</td>
</tr>
<tr>
<td>Program Expenses</td>
<td>$335,468</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$762,497</strong></td>
</tr>
</tbody>
</table>

Use of Funds – Pass Through

<table>
<thead>
<tr>
<th></th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reimbursement to SARCCUP Agencies</td>
<td>$8,862,335</td>
</tr>
</tbody>
</table>

FYE 2019 PA 23 Committee Budget

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant – SAWPA Implementation</td>
<td>$370,123</td>
</tr>
<tr>
<td>Grant – Pass Through to SARCCUP Agencies</td>
<td>$8,862,335</td>
</tr>
<tr>
<td>Participant Fees</td>
<td>$437,722</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$9,670,180</strong></td>
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</table>

Use of Funds – SAWPA Implementation

<table>
<thead>
<tr>
<th></th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor</td>
<td>$81,213</td>
</tr>
<tr>
<td>Benefits</td>
<td>$35,486</td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>$144,557</td>
</tr>
<tr>
<td>Consulting and Professional Services</td>
<td>$240,927</td>
</tr>
<tr>
<td>Program Expenses</td>
<td>$335,662</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$807,845</strong></td>
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</table>

Use of Funds – Pass Through

<table>
<thead>
<tr>
<th></th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reimbursement to SARCCUP Agencies</td>
<td>$8,862,335</td>
</tr>
</tbody>
</table>

Further detail on the line items in the PA 23 Committee budget is provided below.

**Source of Funding**

As shown in the budget, each fiscal year includes both grant and local match. The grant is split between a SAWPA implementation portion and a portion that is passed through SAWPA to other agencies. Grant funds not passed through to SARCUCP agencies will be directed to items
such as the SARCCUP Water Use Efficiency (WUE) Program which includes the Conservation-Based Water Rates and Smartscape programs.

<table>
<thead>
<tr>
<th>Source of Funding</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant – SAWPA Implementation</td>
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<tr>
<td>Participant Fees</td>
<td>$453,612</td>
<td>$437,722</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$9,624,832</strong></td>
<td><strong>$9,670,180</strong></td>
</tr>
</tbody>
</table>

SAWPA Implementation: Staff

As shown in the budget, a portion of the funding is for SAWPA staff for PA 23 Committee management, implementation of the WUE programs, management of Woodard and Curran contracts, coordination with the SAWPA planning managers and administration of the Project Agreement 22 (PA 22) Committee, which will provide policy direction for implementation of the WUE programs.

<table>
<thead>
<tr>
<th>Use of Funds</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor</td>
<td>$58,474</td>
<td>$81,213</td>
</tr>
<tr>
<td>Benefits</td>
<td>$25,544</td>
<td>$35,486</td>
</tr>
<tr>
<td>Indirect Costs</td>
<td>$82,496</td>
<td>$144,557</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$166,514</strong></td>
<td><strong>$261,256</strong></td>
</tr>
</tbody>
</table>

SAWPA Implementation: Consulting and Professional Services

Grant and participant fees is provided for Woodard and Curran (formerly RMC Water) to provide management of the quarterly progress report and invoicing for SARCCUP.

<table>
<thead>
<tr>
<th>Consultant</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woodard and Curran</td>
<td>$260,515</td>
<td>$240,927</td>
</tr>
</tbody>
</table>

There is variation between the fiscal year planned outlays as these amounts reflect the fiscal year breakdown provided in the Woodard and Curran contract approved by the PA 23 Committee on July 28, 2016.

SAWPA Implementation: Program Expenses

Grant and participant fees are being provided for SARCCUP’s WUE programs. Within in that component are the Smartscape and the Conservation-Based Water Rates programs. Both are shown in the budget as “program expenses” as SAWPA is going to enter into Sub-Grantee agreements with Orange County Coastkeeper for Smartscape and approximately five retail water agencies for the Conservation-Based Water Rates to implement the programs.
Program Expenses

<table>
<thead>
<tr>
<th>SARCCUP WUE Program</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation-Based Rates</td>
<td>$203,827</td>
<td>$204,871</td>
</tr>
<tr>
<td>Smartscape</td>
<td>$131,640</td>
<td>$130,790</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$335,467</strong></td>
<td><strong>335,661</strong></td>
</tr>
</tbody>
</table>

The program expenses are based on outlays for three years for the Smartscape Program and five years for the Conservation-Based Water Rates Program. These two components are included in the PA 23 Committee budget because, like all the other components of SARCCUP including the conjunctive use infrastructure, they are funded by the Prop 84 2015 IRWM Grant.

**Pass Through:**

Pass through grant funding is being provided on a reimbursement basis to the SARCCUP agencies as they complete their assigned tasks contained in the State’s Prop 84 Grant Agreement and the SAWPA Sub-Grantee agreements.

<table>
<thead>
<tr>
<th>SARCCUP Agency</th>
<th>FYE 2018</th>
<th>FYE 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMWD</td>
<td>$2,131,026</td>
<td>$2,131,026</td>
</tr>
<tr>
<td>IEUA</td>
<td>$2,891,765</td>
<td>$2,891,765</td>
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<tr>
<td>OCWD</td>
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<td>$254,126</td>
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<tr>
<td>SBVMWD</td>
<td>$3,013,122</td>
<td>$3,013,122</td>
</tr>
<tr>
<td>WMWD</td>
<td>$572,296</td>
<td>$572,296</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$8,862,335</strong></td>
<td><strong>$8,862,335</strong></td>
</tr>
</tbody>
</table>

As the project is in its early stages with construction contracts not executed to build the SARCCUP infrastructure, there is no detailed analysis of projected outlays per agency per year. In lieu of this detail and for ease of implementing a high-level budget, this budget reflects an even outlay per fiscal year. These funding amounts are not the same as the amounts shown in the Expenditure Projections by SARCCUP Agencies table, because this table just shows the grant funding associated with the SARCCUP agencies and not the local match.

**BACKGROUND**

On September 22, 2016 the PA 23 Committee members unanimously adopted the FYE 2017 PA 23 Committee budget. The FYE 2017 budget is included below as a reference.

<table>
<thead>
<tr>
<th>FYE 2017 PA 23 Committee Budget</th>
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<tbody>
<tr>
<td>Source of Funds</td>
</tr>
<tr>
<td>Grant – SAWPA Implementation</td>
</tr>
<tr>
<td>Grant – Pass Through to SARCCUP Agencies</td>
</tr>
<tr>
<td>Participant Fees</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>
### Use of Funds – SAWPA Implementation

<table>
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<tr>
<th>Category</th>
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<tbody>
<tr>
<td>Labor</td>
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<td>Benefits</td>
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<td>Indirect Costs</td>
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<tr>
<td>Consulting and Professional Services</td>
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<tr>
<td>Program Expenses</td>
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<td><strong>Total</strong></td>
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### Use of Funds – Pass Through

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<tbody>
<tr>
<td>Reimbursement to SARCCUP Agencies</td>
<td>$2,924,164</td>
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</table>

The FYsE 2018 and 2019 Committee budget for the SARCCUP WUE Program will be brought to the PA 22 Committee at its June 22, 2017 meeting for approval. With Phase I of PA 22 Committee pertaining to the Proposition 84 IRWM Drought Grant work plan, a Phase II has been defined for the PA 22 Committee tasks relating to the SARCCUP WUE programs.

### CRITICAL SUCCESS FACTORS

The following OWOW critical success factors are addressed by this action:

1. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
2. Data and information needed for decision-making is available to all.

### RESOURCE IMPACTS

Funding shown to administer the PA 23 Committee is provided by the SAWPA staff line item shown in the adopted FYE 2017 Committee budget.

Attachments:

1. SARCCUP Funding By Task Table
2. SARCCUP Work Plan
## SANTA ANA RIVER CONSERVATION AND CONNECTIVITY USE PROGRAM (SARCCUP): FUNDING BY TASK

### Lead Agency (Budget Category in Parentheses)

<table>
<thead>
<tr>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(b total)</th>
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</thead>
<tbody>
<tr>
<td>Requested Grant Amount</td>
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<td>Total Local Match - U.S. FUND</td>
<td>Total Local Match - State Fund</td>
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<tr>
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### SARCCUP: FUNDING BY AGENCY

#### LEAD AGENCIES

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<td>Total Local Match - State Fund</td>
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### SARCCUP SUB-GRAINTEE CONTRACT AMOUNTS

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<thead>
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<th>(d)</th>
<th>(e)</th>
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<td>Requested Grant Amount</td>
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<td>Total Local Match - U.S. FUND</td>
<td>Total Local Match - State Fund</td>
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### SARCCUP SUB-GRAINTEE INVOICE AMOUNTS

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**Attachment B**

*This table is referred to as "Attachment B" because it is the second attachment to the SAWPA Sub-Grantee Agreement with the SARCCUP Agencies.*
Inlet and Outlet Structures:
- Construction of inlet and outlet structures.

Storm Drain Construction:
- Construction of multiple sized storm drain facility;
- Final site grading, including installation of site surfacing material.

Deliverables:
- Photographic documentation
- Engineers Certification

PROJECT 4: Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

IMPLEMENTING AGENCY: SAWPA and its Five Member Agencies which include Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD), San Bernardino Valley Municipal Water District (SBVMWD), Western Municipal Water District (WMWD)

PROJECT DESCRIPTION:
The purpose of SARCCUP is to implement a collaborative program that improves the Santa Ana River Watershed’s water supply resiliency through development of additional dry-year yield (DYY). It will also conserve water, promote water use-efficiency, and improve habitat for a native, threatened species which will help facilitate obtaining permits from the State and Federal wildlife agencies for water supply projects along the Santa Ana River. The SARCCUP programs and projects will support implementing the One Water One Watershed 2.0 IRWM Plan Goals. SARCCUP generally consists of the following components:

1. **SARCCUP Habitat Improvement - invasive weed removal and habitat creation/restoration**: Remove approximately 640 acres of the invasive weed *Arundo Donax* in the Santa Ana River Watershed and construct about 40.5 acres of riparian vegetation for the Santa Ana sucker (*Catostomus santaanae*) fish in order to obtain permits for various water supply projects such as the Enhanced Recharge in Santa Ana River Basins.

2. **SARCCUP Water Use Efficiency - water use efficiency and water conservation**: Expand the existing water use efficiency project that received grant funding during the IRWM 2014 Drought Round to provide support to approximately five agencies for conservation-based water rate structures. Implement the Smartscape Program in the Santa Ana River Watershed.

3. **SARCCUP Conjunctive Use Program - creating approximately 180,000 acre feet (AF) of DYY over a ten year period**: Create a diversified Conjunctive Use Program that can be used to store wet-year water and then pump that water during droughts, providing DYY. Construct recharge ponds and/or extraction wells in the following banking locations:

<table>
<thead>
<tr>
<th>Basin</th>
<th>Storage (AF) (Approximate Amounts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chino</td>
<td>96,000</td>
</tr>
<tr>
<td>Elsinore</td>
<td>4,500</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>60,000</td>
</tr>
<tr>
<td>San Jacinto</td>
<td>19,500</td>
</tr>
<tr>
<td>TOTAL</td>
<td>180,000</td>
</tr>
</tbody>
</table>
Budget Category (a): Direct Project Administration

Task 1 Project Management

The SAWPA member agencies and SAWPA will maintain the grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents, largely through consultant support (with consultant oversight provided by SAWPA staff). The SAWPA member agencies and SAWPA will form a new Project Committee, known as the Project Agreement 23 Committee, with representatives from each of the five SAWPA member agencies. SAWPA will perform Project Committee administration and coordination for the Project Committee. The Project Committee will make policy decisions and direct the expenditure of grant funds for the Project in relation to all Tasks except 12.6.1 and 12.6.2 while SAWPA staff will provide staff administration support. SAWPA will coordinate with the five SAWPA Member Agencies (EMWD, IEUA, OCWD, SBVMWD, and WMWD). The SAWPA member agencies, largely through consultant support, will prepare quarterly reports and invoices including relevant supporting documentation for submittal to DWR via the Grantee. The SAWPA member agencies and SAWPA will perform administrative responsibilities associated with the SARCCUP components, such as coordinating with partnering agencies and utilizing consultants/contractors as needed.

SAWPA and the SAWPA member agencies will also utilize the existing Project Committee, known as the Project Agreement 22 Committee, which includes a representative from each of the five SAWPA member agencies and was formed during implementation of the project funded by the IRWM 2014 Drought Round. The Project Agreement 22 Committee will make policy decisions and direct the expenditure of grant funds for Tasks 12.6.1 and 12.6.2 while SAWPA staff will provide administrative staff support to the Committee and coordinate with the five SAWPA member agencies.

Deliverables:

- Environmental Information Forms (EIF) for each component
- Financial Statements
- Compiled Invoices
- Project Agreement forming the new Committee
- Other Applicable Project Deliverables

Task 2 Labor Compliance Program

The SAWPA member agencies and SAWPA will take all measures necessary to ensure compliance with applicable California Labor Code requirements for each applicable component, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of labor compliance for each applicable component upon request

Task 3 Reporting

The SAWPA member agencies and SAWPA will prepare quarterly progress reports detailing work completed during reporting period as outlined in Exhibit G of this Agreement. The SAWPA member agencies will submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

The SAWPA member agencies and SAWPA will prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager’s comment and review no later than 90 days after project completion. The SAWPA member agencies and SAWPA will prepare the Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of Exhibit G.
Deliverables:

- Compiled Quarterly Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

Property lots or portions of lots within the project area will be purchased as necessary for construction in the EMWD, SBVMWD, and WMWD service areas. Easements may be secured as needed by the implementing agencies.

Deliverables:

- All appraisal and related acquisition documents for the Conjunctive Use components from EMWD, SBVMWD and WMWD in partnership with Elsinore Valley Municipal Water District (EVMWD)
- Additional easements as needed.

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

The five SAWPA member agencies will develop a Master Plan for the SARCCUP Conjunctive Use Program to take advantage of approximately 1 million AF of available groundwater storage in the Santa Ana River Watershed to capture available excess supplies during wet years. The Master Plan, which will be funded entirely by the SAWPA member agencies, is intended to assist in identifying operational constraints in the SARCCUP Conjunctive Use Program and the needs to overcome these in current or potential future phases. The Master Plan will utilize a decision support model (model) and take into consideration the watershed’s hydrology, planned and existing facilities, and groundwater put and take scenarios in order to better define agreements and needs for future expansion. The SAWPA member agencies divided the Master Plan development into two-steps with the first step being the development of the model. This model, which can be updated by the staff from the SAWPA member agencies, will enable the agencies to optimize the proposed SARCCUP Conjunctive Use Program facilities with the overarching goals to simulate the anticipated operations of the facilities, quantify the benefits, quantify the costs and help identify future phases of the SARCCUP Conjunctive Use Program.

The five SAWPA member agencies will develop the necessary institutional agreements for the SARCCUP Conjunctive Use Program in order to store and convey through such methods as direct pumping or in lieu transfers of approximately 180,000 AF to different wholesale water agencies in the Santa Ana River Watershed over a ten year period. The agreements will reflect the result of evaluating alternative cost allocation methods and their impacts in order to define a price per AF for the water that is utilized for the SARCCUP Conjunctive Use Program.

EMWD will prepare a preliminary design report for the SARCCUP Conjunctive Use Program to allow implementation in the San Jacinto Basin in EMWD’s service area. The results from this study will be used for California Environmental Quality Act (CEQA) documentation and for final design.

Within WMWD’s general service area, WMWD, in partnership with EVMWD, will complete a well siting study/report for the Aquifer Storage Recovery (ASR) wells in the Elsinore Basin. The results from this study will be used for CEQA documentation and for final ASR design for the SARCCUP Conjunctive Use Program Implementation in the Elsinore Basin.
Deliverables:

- Master Plan for the Conjunctive Use component
- Institutional agreements for the Conjunctive Use component
- San Jacinto Basin Preliminary Design Report for the Conjunctive Use component from EMWD
- Elsinore Basin Siting Study/Report for the Conjunctive Use component from WMWD in partnership with EVMWD

Task 6 SARCCUP CEQA Documentation

The SAWPA member agencies will prepare and circulate a Notice of Preparation (including tribal notification to the California Native Heritage Commission). The agencies, with IEUA as the lead, will prepare a draft Programmatic Environmental Impact Report (PEIR) and release the document for public review, respond to comments received, file a Notice of Determination with State Clearinghouse, and prepare a letter stating no legal challenges (or addressing legal challenges). The PEIR will provide a baseline environmental document to comply with CEQA and support future site-specific projects as they are funded and implemented by each SAWPA member agency. While the water use efficiency and conservation-based rates tasks are not anticipated to qualify as a “Project” under CEQA and therefore, makes its CEQA documentation unnecessary, the PEIR will consider these components of SARCCUP in its evaluation.

EMWD will prepare an EIR to address CEQA with a possible NEPA document. EMWD’s EIR will reference the SARCCUP PEIR for the program. SBVMWD will circulate a Notice of Preparation (including tribal notification to the California Native Heritage Commission). SBVMWD will prepare draft EIR for the SARCCUP Habitat Improvement Implementation (Santa Ana sucker fish component) and release document for public review. SBVMWD will file a Notice of Determination with the State Clearinghouse. SBVMWD will prepare a letter stating no legal challenges (or addressing legal challenges).

Deliverables:

- Copy of Notices of Preparation from all components as needed
- Draft and Final EIRs, and Notice of Determinations from all components as needed
- No Legal Challenges letters (or addressing legal challenges) from all components as needed

Task 7 SARCCUP Permitting

Each SAWPA member agency will identify federal, state, and local permits required for the SARCCUP programs and projects during preliminary and final design. Permits may include:

- U.S. Army Corps of Engineers (USACE) Section 404 Permit;
- State Water Resources Control Board (SWRCB) Section 401 Permit;
- California Department of Fish & Wildlife (CDFW) 1602 Permit;
- California Department of Public Health (CDPH) Use Permit;
- Local Construction/Encroachment Permit;
- Caltrans Encroachment Permit;
- Federal Emergency Management Agency (FEMA) Letter of Map Amendment (LOMA);
- County Flood Control District Construction Permits;
- County Well Drilling and/or modification permits;
- Storm Water Pollution Prevention Program (SWPPP) and General Construction Permit.

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits from all components as needed
Task 8 SARCCUP Design

Task 8.1 SARCCUP Conjunctive Use Program Implementation in the Chino Basin

IEUA will arrange with the retail water agencies in its service area and the Chino Basin Watermaster to recharge the groundwater basin through wet-water recharge and in-lieu recharge. Distribution of the DYY supply would be by exchange, Baseline Feeder supply from the SBBA to Chino Basin, groundwater pumping and/or reclaimed water to OCWD, and interconnections to WMWD.

Task 8.1.1 Baseline Feeder Extension

IEUA will complete preliminary and final design on the Baseline Feeder which will be extended from its current termination near Cactus Avenue in Rialto approximately 6.5 miles to San Sevaine Creek near the border of Rancho Cucamonga and Fontana. IEUA will design the length, dimension, alignment, and appurtenances of the extension so the extension has an approximate 60 cubic feet per second (cfs) capacity and be similar to the existing nominal 48-inch diameter feeder; possibly up to 60-inch diameter. Preliminary design work will include the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications.

Task 8.1.2 Municipal Interites on Baseline Feeder Extension

IEUA will complete preliminary and final design on the extension alignment to provide recharge water discharge to San Sevaine Channel and interties for connection to Fontana Water County and Cucamonga Valley Water District. IEUA will design capacities so the facilities can perform at an expected flow of about 10-15 cfs each, which will depend on evaluation of the connecting systems, and the final design analysis. Preliminary design work will include the following supporting work: geotechnical investigation, topographic survey, and basis of BOD. Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications.

Task 8.1.3 Turnout on Baseline Feeder to San Sevaine Creek

IEUA will complete preliminary and final design on the Baseline Feeder extension to reach or cross the San Sevaine Creek and complete a turnout to the creek or tributary storm drain for discharge of water for recharge at basins downstream of the turnout. IEUA will design capacities so the facilities can perform at an expected flow of about 20 cfs which will depend on hydraulics analyses, supply water facilities, and the final design analysis. Preliminary design work will include the following supporting work: geotechnical investigation, topographic survey, and BOD. Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications.

Task 8.1.4 Diversion on San Sevaine Creek to Recharge Basin

IEUA will complete preliminary and final design on the increasing the diversion capacity to Jurupa Basin downstream of the Baseline Feeder extension by constructing a diversion gate into the flood control channel water at the existing diversion on San Sevaine Creek. IEUA will design the new structure so the facilities can likely duplicate the existing 4-foot sluice gate, piping, and controls. IEUA will design the new diversion to increase the existing capacity for imported water diversion up to 15 cfs allowing for final capacities to be determined during the final design stages. Preliminary design work will include the following supporting work: geotechnical investigation, topographic survey, and BOD. Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications.

Task 8.1.5 Turnout on Devil Canyon-Azusa Pipeline into San Antonio Creek

IEUA will complete preliminary and final design of a turnout on the existing Devil Canyon Azusa Pipeline to allow water to service multiple purposes such as diverting water into San Antonio Creek for recharge at downstream recharge sites in Chino Basin and/or Orange County, as well as providing a point of connection for the Water Facilities Authority to receive water for treatment and deliver water in Chino Basin. IEUA will design the turnout capacity so the facilities can perform at an expected flow of about 40 cfs for recharge and up to 20 cfs for Water Facilities Authority, allowing the ultimate flow to depend on hydraulics analyses, supply water facilities, and the final design analysis. Preliminary design
work will include the following supporting work: geotechnical investigation, topographic survey, and BOD. Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications.

**Task 8.1.6 Production Wells in Chino/IEUA South Zone**

IEUA will complete the screening and evaluation of existing inactive production/agricultural wells in the southern pressure zone of IEUA’s recycled water distribution system for rehabilitation. If no suitable existing wells are identified, IEUA will develop new well(s). IEUA will complete the design of plumbing the well(s) to take groundwater into the recycled water system to replace recycled water delivered to OCWD. Well(s) will have a target capacity of approximately 1,000 gallons per minute. If additional wells are designed, they may also have an approximately 1,000 gallons per minute capacity. Existing wells will have old pumping equipment removed, as needed. New pumping equipment and appurtenances will be analyzed during the planning phase taking into account regulations. Additionally, downhole rehabilitation and possible lining may be required to achieve desired production rates and may be analyzed based on possible geotechnical work. The plumbing of wells into the IEUA recycled water distribution system will be designed. Preliminary design work will include the following supporting work: geotechnical investigation, topographic survey, and BOD. Using the BOD and supporting documents, IEUA will produce 100% (Final) design, plans and specifications. If suitable existing wells cannot be identified for rehabilitation, IEUA will prepare a design for new well(s) according to remaining task funds.

**Task 8.2 SARCCUP Conjunctive Use Program Implementation in the San Jacinto Basin**

EMWD will complete preliminary and final design on facilities to augment San Jacinto Upper Pressure Sub-basin by approximately 19,500 AFY.

EMWD will design development of an estimated 39-acre recharge basin, Mountain Avenue West. EMWD will complete the design of the recharge ponds to range in depth from about 10 to 15 feet, berms so they range from approximately 3 to 6 feet above existing ground, and perimeter fencing to include approximately two to three access gates. EMWD will design the pipelines to include approximately one to three 20 to 30 inch laterals from the existing 33 inch diameter raw water pipeline to the recharge ponds, and are at a length of about 700 feet. EMWD will plan for flow and pressure control facilities with a meter section which can be used to regulate the flow of water into the ponds. EMWD will design the described facilities by completing preliminary design work (will include the following supporting work: geotechnical investigation, topographic survey, and BOD). Using the BOD and supporting documents, EMWD will produce 100% (Final) design, plans and specifications.

EMWD will design the amenities for a walking/jogging path with conservation-focused informational signage along the perimeter of the recharge site. EMWD will design the landscaping to include drought tolerant plants and drip irrigation. EMWD will produce a final design/landscaping plan.

EMWD will design three (3) new extraction wells and associated distribution pipelines so the pipelines connect the wells to the existing potable water distribution system (with one pipeline per well). EMWD will design the length of the pipelines, location of the wells and the distance to the distribution system by completing preliminary design work (will include the following supporting work: geotechnical investigation, topographic survey, and BOD). Using the BOD and supporting documents, EMWD will produce 100% (Final) design, plans and specifications.

**Task 8.3 SARCCUP Conjunctive Use Program Implementation in the San Bernardino Basin Area**

SBVMWD will design the facilities necessary to remove approximately 20,000 AF of water from the San Bernardino Basin Area (SBBA) with approximately 60,000 AFY of storage and deliver to their retail area and the Metropolitan Water District of Southern California (MWDSC) system. SBVMWD will design the facilities which will include five (5) wells, an associated transmission pipeline, and an expansion phase to the Redlands Pump Stations which includes three additional 20 CFS pumps. SBVMWD will complete the preliminary design work (will include the following supporting work: geotechnical investigation, topographic survey, and BOD). Using the BOD and supporting documents, SBVMWD will produce 100% (Final) design, plans and specifications.

Excerpted from SAWPA-DWR Grant Agreement
Task 8.4 SARCCUP Conjunctive Use Program Implementation in the Elsinore Basin

WMWD, in partnership with EVMWD, will design two dual-purpose ASR wells needed to expand the existing EVMWD conjunctive use program by 4,500 acre-feet or an additional extraction capability of 1,500 AFY. The existing EVMWD conjunctive use program is comprised of approximately eight ASR wells and a storage capacity of approximately 12,000 acre-feet. WMWD’s, in partnership with EVMWD, design will include selecting well sites and analyzing the need for minor distribution pipelines, perhaps covering distances of 1,500 feet each, with the actual lengths of each well pipeline depending on the final locations of the wells and the distance to the distribution system. WMWD, in partnership with EVMWD, will complete the preliminary design work (will include the following supporting work: geotechnical investigation, topographic survey, and BOD). Using the BOD and supporting documents, WMWD, in partnership with EVMWD, will produce 100% (Final) design, plans and specifications.

Task 8.5 SARCCUP Habitat Improvement Implementation

Task 8.5.1 Arundo Donax Removal

OCWD will design the removal of approximately 640 acres of Arundo Donax along the Santa Ana River above Prado Basin by coordination with its partners by identifying access into the river systems, equipment needed, and the amount of labor required to operate equipment and apply herbicide. OCWD will provide a final removal plan.

Task 8.5.2 Santa Ana Sucker Fish Habitat Improvements

Task 8.5.2.1 Anza Drain

SBVMWD will conduct site preparation by analyzing locations for non-native tree removal (as well as clearing and grubbing, hazardous soil removal), create a water diversion plan, prepare earth work (such as channel excavation, gravel placement, liner, erosion control, and instream woody material), and prepare plans for infrastructure, seeding, planning, irrigation system installation, signage and fencing. SBVMWD will produce final habitat improvement plans.

Task 8.5.2.2 Old Farm Road

SBVMWD will conduct site preparation by analyzing locations for non-native tree removal (as well as clearing and grubbing, hazardous soil removal), create a water diversion plan, prepare earth work (such as channel excavation, gravel placement, liner, erosion control, and instream woody material), and prepare plans for infrastructure, seeding, planning, irrigation system installation, signage and fencing. SBVMWD will produce final habitat improvement plans.

Task 8.5.2.3 Lower Hole Creek

SBVMWD will conduct site preparation by analyzing locations for non-native tree removal (as well as clearing and grubbing, hazardous soil removal), create a water diversion plan, prepare earth work (such as channel excavation, gravel placement, liner, erosion control, and instream woody material), and prepare plans for infrastructure, seeding, planning, irrigation system installation, signage and fencing. SBVMWD will produce final habitat improvement plans.

Task 8.5.2.4 Hidden Valley Wetlands

SBVMWD will conduct site preparation by analyzing locations for non-native tree removal (as well as clearing and grubbing, hazardous soil removal), create a water diversion plan, prepare earth work (such as channel excavation, gravel placement, liner, erosion control, and instream woody material), and prepare plans for infrastructure, seeding, planning, irrigation system installation, signage and fencing. SBVMWD will produce final habitat improvement plans.
Deliverables:

- BOD Reports for Conjunctive Use component from EMWD, IEUA, SBVMWD, and WMWD in partnership with EVMWD
- Engineer’s Cost Estimate for Conjunctive Use components from EMWD, IEUA, SBVMWD, and WMWD in partnership with EVMWD
- 100% Design Plans and Specifications for Conjunctive Use components from EMWD, IEUA, SBVMWD, and WMWD in partnership with EVMWD
- Final Arundo Donax removal plans from OCWD
- Final Santa Ana Sucker habitat improvement plans from SBVMWD

**Task 9 Project Monitoring Plan**

SAWPA and the SAWPA member agencies will develop and submit a Project Monitoring Plan that encompasses each component of SARCCUP. Along with the Project Performance Measures Table provided by DWR Project Manager, the Project Monitoring Plan (as described in Exhibit J) will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Compiled Project Monitoring Plan (for all components from EMWD, IEUA, WMWD in partnership with EVMWD, OCWD, SBVMWD, SAWPA)

**Budget Category (d): Construction/Implementation**

**Task 10 Construction Contracting**

The SAWPA member agencies will undertake activities necessary to secure a contractor and award the contract for each component include: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

Deliverables:

- Bid documents for all components as needed
- Proof of Advertisement for all components as needed
- Award of contract for all components as needed
- Notice to proceed for all components as needed

**Task 11 Construction Administration**

The SAWPA member agencies will review contractor submittals, answer requests for information, and issue work directives. An engineering construction observer will be on site for the duration of the Project. Construction observer duties will include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

Deliverables:

- Notice of Completion for each component as needed
Task 12 Construction/Implementation Activities

Construction activities will likely include, but are not limited to the following:

Task 12.1 SARCCUP Conjunctive Use Program Implementation in the Chino Basin

IEUA will construct the following facilities: Baseline Feeder Extension, Municipal Interties on Baseline Feeder Extension, Turnout on Baseline Feeder to San Sevaine Creek, Diversion on San Sevaine Creek to Recharge Basin, Turnout on Devil Canyon-Azusa Pipeline into San Antonio Creek, Production Wells in Chino/IEUA South Zone.

Task 12.1.1 Baseline Feeder Extension

IEUA will extend the Baseline Feeder by approximately 6.5 miles with an approximately 48 inch pipeline from Cactus Ave and Baseline and an outfall on San Sevaine Creek in the Chino Basin. It is anticipated the extension will have an approximate 60 cubic feet per second (cfs) capacity and be similar to the existing nominal 48-inch diameter feeder; possibly up to 60-inch diameter.

Task 12.1.2 Municipal Interties on Baseline Feeder Extension

IEUA will construct an intertie for Cucamonga Valley Water District and Fontana Water Company to take potable water from the Baseline Feeder Extension from SBVMWD. Capacities are expected to be about 10-15 cfs each, will depend on evaluation of the connecting systems, and the final design analysis.

Task 12.1.3 Turnout on Baseline Feeder to San Sevaine Creek

IEUA will construct a Baseline Feeder turnout allowing discharges to San Sevaine creek or tributary storm drain for discharge of water for recharge at basins downstream of the turnout. Its capacity will likely be about 20 cfs, will depend on hydraulics analyses, supply water facilities, and the final design analysis.

Task 12.1.4 Diversion on San Sevaine Creek to Recharge Basin

IEUA will construct a new 4-foot sluice gate and piping cutting into the flood control channel wall of Jurupa Basin to allow an increased rate of diversion of imported water to Jurupa Basin. A rubber dam may also be installed along the flood control channel. Diversion will likely be of State Water Project water from MWDSC or SBVMWD water from the Baseline Feeder extension. The new diversion will likely increase the existing capacity for imported water diversion up to 15 cfs; final capacities will be determined during the final design stages.

Task 12.1.5 Turnout on Devil Canyon-Azusa Pipeline into San Antonio Creek

IEUA will build a dual purpose turnout for delivery of SBVMWD imported water for 1) direct recharge in Chino or Orange County Basins, and 2) delivery, treatment, and use as in-lieu recharge in Chino Basin. The turnout capacity will likely be up to 40 cfs for recharge and up to 20 cfs for Water Facilities Authority, but will depend on hydraulics analyses, supply water facilities, and the final design analysis.

Task 12.1.6 Production Wells in Chino/IEUA South Zone

IEUA will plumb existing inactive production/agricultural wells in the southern pressure zone of IEUA’s recycled water distribution system to take groundwater into the recycled water system to replace recycled water delivered to OCWD. Each well will have a target capacity of approximately 1,000 gallons per minute. If additional wells are needed, they may also have an approximately 1,000 gallons per minute capacity. Wells will have old pumping equipment removed, as needed. New pumping equipment and appurtenances will be added based on regulations and final design. Additionally, downhole rehabilitation and possible lining will likely be required to achieve desired production rates. Wells will be plumbed into the IEUA recycled water distribution system. If suitable existing wells cannot be identified for rehabilitation, IEUA will install new well(s) according to remaining task funds.

Task 12.2 SARCCUP Conjunctive Use Program Implementation in the San Jacinto Basin

EMWD will construct the following facilities: 39-acre, approximately 10-15 feet deep recharge basin, basin amenities, extraction wells (3 wells total each with a capacity of 1,500 gpm, drilled to a depth of approximately 1,200 feet), and
associated pipelines. The pipelines will include approximately one to three 20- to 30-inch laterals from the existing 33-inch diameter raw water pipeline to the recharge ponds, about 700 feet in length. Pipelines will connect the groundwater wells to the existing potable water distribution system. One pipeline will be needed for each well. The length of each well discharge pipeline will depend on the final locations of the wells and the distance to the distribution system, which we have estimated at about 1,200 feet each and diameter of approximately 12 to 18 inches depending on capacity of the well. The basin amenities will include a walking/jogging path with conservation-targeted informational signage along the perimeter of the recharge site. This will also include drought-tolerant landscaping with drip irrigation.

Task 12.3 SARCCUP Conjunctive Use Program Implementation in the SBBA

SBVMWD will construct the facilities necessary to remove water from the SBBA and deliver to the MWDSC system through developing construction plans and utilizing a construction contractor(s). These facilities will include: approximately five (5) Production Wells at up to approximately 1,000 feet deep (estimated to produce from approximately 2,400 to 3,650 gallons per minute) and approximately 15,000 feet of Transmission Pipelines and an additional approximately 20 CFS pumps at the expanded Redlands Pump Station.

Task 12.4 SARCCUP Conjunctive Use Program Implementation in the Elsinore Basin

WMWD, in partnership with EVMWD, will construct two dual-purpose ASR wells within the WMWD general service area through developing construction plans and utilizing a construction contractor(s). One well will be located in the northern portion of the Elsinore Basin, and one will be located in the southern portion of the same basin referred to as the Back Basin. Each well will be estimated to operate at an average flow rate of approximately 1,000 gallons per minute (GPM). Each well will need a distribution pipeline to connect to the nearby water distribution system. The depth of the two ASR wells will ultimately depend on the final locations selected. Similar wells in the area range from approximately 760 to 2,100 feet deep.

Task 12.5 SARCCUP Habitat Improvement Implementation

The construction and implementation of the habitat improvement component of the project includes the following elements:

Task 12.5.1 Arundo Donax Removal

OCWD will remove approximately 640 acres of Arundo Donax along the Santa Ana River just upstream of Prado Basin in Riverside County by utilizing heavy machinery in the floodplain, herbicide and maintenance sweeps by working with its partners.

Task 12.5.2 Santa Ana Sucker Fish Habitat Improvements

Task 12.5.2.1 Anza Drain

SBVMWD will construct the Anza Drain habitat restoration project in Riverside County through non-native tree removal, clearing and grubbing, hazardous soil removal, installing infrastructure, earth work such as channel excavation, erosion control, irrigation system installation, signage, fencing and overseeing five years of plant establishment.

Task 12.5.2.2 Old Farm Road

SBVMWD will construct the Old Farm Road habitat restoration project in Riverside County through non-native tree removal, clearing, grubbing, hazardous soil removal, installing infrastructure, earth work such as channel excavation, irrigation system installation, signage, fencing and overseeing five years of plant establishment.

Task 12.5.2.3 Lower Hole Creek

SBVMWD will construct Lower Hole Creek habitat restoration project through non-native tree removal, clearing, grubbing, hazardous soil removal, installing infrastructure, earth work such as channel excavation, irrigation system installation, signage, fencing and overseeing five years of plant establishment.
Task 12.5.2.4 Hidden Valley Wetlands
SBVMWD will construct Hidden Valley Wetlands habitat restoration project through non-native tree removal, clearing, grubbing, hazardous soil removal, installing infrastructure, earth work such as channel excavation, irrigation system installation, signage, fencing and overseeing five years of plant establishment.

Task 12.6 SARCCUP Water Use Efficiency Implementation
This will include the work required for the implementation of the water use efficiency component of SARCCUP. It consists of the following two elements:

Task 12.6.1 Conservation-Based Water Rates
SAWPA will prepare contracts with retail water agencies for conservation-based water rates and recommend contract awards to the Project Agreement 22 Committee for approval. SAWPA staff will implement the Task so retail water agencies are aware of the SARCCUP Project and execute the contracts (i.e. outreach and onboarding), the retail water agencies make progress toward completing the tasks in their individual contracts once executed, and the retail water agencies meet the conditions of the Grant Agreement. Outreach workshops in Santa Ana River Watershed (total of up to 2 workshops) will be held targeting the watershed’s retail water agencies’ elected officials and staff. These workshops will review the tools available to the retail water agencies for adopting conservation-based rates. Conservation-based rate structures will be implemented by approximately five water agencies. Funding will be provided to approximately five retail agencies, through the contracts approved by the Committee, for items needed to adopt conservation-based rate structures such as: an implementation of a rate study, billing support needs, acquisition of weather data, Proposition 218 notices, etc. A policy will be developed by the Committee that specifies the reimbursement process for agencies. The policy will include stipulations on water conservation reporting. Tools may be developed to assist the up to five retail water agencies to adopt conservation-based water rates. These tools may include information to determine outdoor budgets and local weather data. This component will be an extension of the Conservation Based Reporting Tools and Rate Structure Implementation Project under the Proposition 84 IRWM 2014 Drought Grant Agreement.

Task 12.6.2 Smartscape
The Smartscape Program will be implemented to provide, on an as-needed basis as requested by the SARCCUP project proponents, education and outreach, training and communication services about drought tolerant landscaping design, installation and maintenance. This support will include conducting training workshops and seminars for homeowners, landscape professionals and water retail support agency staff; operation of a phone hotline to answer questions; distribution of training manuals, brochures, flyers and reports; social media posts; and outreach to local schools. The support will also assist entities that have drought tolerant landscaping and need assistance with their landscape needs to adapt to site specific soil, water and vegetation conditions. Orange County Coastkeeper and Inland Empire WaterKeeper, SARCCUP partners, will assist in the implementation of this Task. SAWPA staff will oversee Orange County Coastkeeper and Inland Empire WaterKeeper throughout implementation of the Task.

Deliverables:
- Photographic documentation for all components, except the Water Use Efficiency Implementation component, from EMWD, IEUA, OCWD, SAWPA, SBVMWD, WMWD in partnership with EVMWD
- Map products showing final completed project areas for Santa Ana Sucker component and Arundo component from OCWD and SBVMWD
- Engineer’s certification for the Conjunctive Use components from EMWD, IEUA, SBVMWD, WMWD in partnership with EVMWD
- Record drawings for the Conjunctive Use components from EMWD, IEUA, SBVMWD, WMWD in partnership with EVMWD
- Documentation of participating agencies in workshops, including sign-in sheets for the Conservation Based Water Rates Component from SAWPA
☐ Resolutions of adoption of conservation based rate structures for the Conservation Based Water Rates Component from SAWPA

☐ Outreach materials for the Conservation Based Water Rates and Smartscape Components from SAWPA
COMMITTEE MEMORANDUM NO. 2017.4

DATE: June 6, 2017

TO: SAWPA Project Agreement 23 Committee

SUBJECT: SARCCUP Project Management Services – Consultant Support

PREPARED BY: Mark Norton, Water Resources & Planning Manager

RECOMMENDATION
It is recommended that the PA 23 Committee authorize the approval of Task Order No. 2 in the amount not-to-exceed $260,515 with Woodard & Curran (formerly named RMC Water & Environment Inc.) for project management services to support the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP).

DISCUSSION
On July 28, 2017, the Project Agreement 23 Committee approved an agreement for services and Task Order No. 1 with RMC to conduct the project management services to support the SARCCUP project. The SARCCUP member agencies felt that in order to effectively manage the SARCCUP project implementation, bringing on additional assistance to them for managing the project as a whole was important and necessary. SAWPA staff serves as the as administrator of the contract with RMC as well as the administrator for the Project Agreement 23 Committee. Project component implementation work of SARCCUP is being conducted by the SAWPA member agencies for the most part but overseen and tracked by the SARCCUP program manager.

Shown below is the previously approved the total cost and a breakdown of past and anticipated task order amounts by fiscal years.

<table>
<thead>
<tr>
<th>Year</th>
<th>Fee</th>
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<tbody>
<tr>
<td>FYE 2017</td>
<td>$310,429</td>
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<tr>
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<td>FYE 2019</td>
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<td>FYE 2020</td>
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<td>FYE 2021</td>
<td>$215,505</td>
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<tr>
<td>Total</td>
<td>$1,284,489</td>
</tr>
</tbody>
</table>

At this stage, only one no-cost change order (see attached) was approved by the SARCCUP member agencies and SAWPA for W&C to conduct some additional upgrades to their computer management tool called Opti PM to improve the regular reporting and invoicing tracking by the SARCCUP member agencies for submittal to SAWPA as the grant administrator for DWR grant funds. Since some tasks under the first task order have been delayed and the improvements to the Opti PM tool would result in long term cost savings, no additional costs were requested for the existing task order or anticipated as a result of these improvements for the future task orders. Documentation of the Opti PM Tool upgrades through a no-cost change order is attached as information.

CRITICAL SUCCESS FACTORS
The following OWOW critical success factors are addressed by this action:
1. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
2. Data and information needed for decision-making is available to all.
RESOURCE IMPACTS
Funding for the second Task Order for SARCCUP project management services will come from the local contributions of the SARCCUP agencies. The first year of W & C costs were funded by the DWR Proposition 84 2015 grant funds.

Attachments
1. Task Order No. RMC504-401-02
2. Scope of Work
3. Change Order No. 1 to RMC 504-401-01
This Task Order is issued by the Santa Ana Watershed Project Authority (hereafter “SAWPA”) to RMC Water and Environment (hereafter “Consultant”) pursuant to the Agreement between SAWPA and Consultant entitled Agreement for Services, dated July 28, 2016 (expires 12-31-21).

I. PROJECT NAME OR DESCRIPTION
  SARCCUP Program Management Services

II. SCOPE OF WORK / TASKS TO BE PERFORMED
Consultant shall provide all labor, materials and equipment for the Project to perform the program management services tasks shown below related to the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP), and thoroughly described in Attachment A.

- Provide program status reports to SAWPA staff, Project Committee and Commission, and Member Agencies’ Planning Managers
- CEQA Compliance
- Prepare Project Monitoring Plan
- Coordinate Procurement of Appropriate Permits
- Coordinate Schedule Information
- Construction Activities and Notification
- Acknowledgement of Credit/Signage Requirements
- Benefit Assessment
- Report Submittals
- Quarterly Progress Reports
- Project Invoice Oversight
- Project Review and Evaluation; Final Reports and Audit
- Project Closeout Documentation
Please refer to Appendix X for acceptable formats

III. PERFORMANCE TIME FRAME
Consultant shall begin work within five days of the date this Task Order is signed by the Authorized Officer and shall complete performance of such services by or before June 30, 2018.

IV. SAWPA LIAISON
Mark Norton and/or Ian Achimore shall serve as liaison between SAWPA and Consultant.

V. COMPENSATION
For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of $260,515 for Fiscal Year 2016-17. Note: This is the second in a series of five task orders. Subsequent task orders will be prepared for FY 2018-19, 2019-20 and 2020-21, per the PA23 Committee Memo 2016.1.

Payment for such services shall be made within 30 days upon receipt of timely and proper invoices from Consultant, as required by the above-mentioned Agreement. Each such invoice shall be provided to SAWPA by Consultant within 15 days after the end of the month in which the services were performed.

VI. CONTRACT DOCUMENTS PRECEDENCE
In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

a. The Agreement for Services by Independent Consultant/Contractor.
b. The Task Order or Orders issued pursuant to the Agreement, in numerical order.
c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

SANTA ANA WATERSHED PROJECT AUTHORITY

______________________________  ____________________
Celeste Cantú, General Manager        Date

WOODARD & CURRAN

______________________________  ____________________
(Signature)                       Date                   Print /Type Name
SCOPE OF WORK

The scope of work of the Program Manager shall address the implementation of program management responsibilities for the SARCCUP as a whole. For all tasks associated with the scope of work, the Program Manager shall be responsible to ensure the timely provision of all defined Program Manager deliverables and the Sub-Grantee project deliverables to the SAWPA grant administrator. Program Manager shall also assist SAWPA staff in coordination with the Department of Water Resources (DWR) grant reporting processes. Actual grant reporting is not included in this scope of work.

TASK 1 – PROVIDE PROGRAM STATUS REPORTS TO SAWPA STAFF, SAWPA MEMBER AGENCIES PLANNING MANAGERS, SAWPA PROJECT COMMITTEE AND SAWPA COMMISSION

The Program Manager shall prepare and make quarterly presentations to the SAWPA Project Committee and SAWPA Commission regarding the status of the SARCCUP implementation including status of work progress, schedule and budget.

The Program Manager shall meet a minimum of twice each month with the SAWPA staff, Sub-Grantee representatives and other SAWPA member agency staff to coordinate all activities including tracking, communicating, and defining responsibilities toward scope, schedule, budgets and deliverables. The Program Manager shall perform the following administrative activities as needed:

1) Coordinate meeting scheduling
2) Complete agenda preparation
3) Prepare and design presentation material
4) Transcribe meeting notes

The Program Manager shall ensure compliance of all contract requirements, and immediately report deviations or anticipated deviations to the Sub-Grantees and SAWPA staff with suggested corrective actions.

In addition, four hours of meetings per month at the SAWPA headquarters are budgeted for the duration of the program schedule.

TASK 2 – LABOR COMPLIANCE PROGRAM - DEPARTMENT OF INDUSTRIAL RELATIONS

This task is not included in the scope of the Program Manager.
**TASK 3 – CEQA COMPLIANCE**

Program Manager shall work with Sub-Grantees to achieve compliance with all applicable requirements of the California Environmental Quality Act (CEQA) and, if applicable, the National Environmental Policy Act (NEPA). Program Manager shall work with responsible Sub-Grantees to achieve CEQA compliance and submittal to SAWPA of all documents necessary to satisfy the CEQA and NEPA process, including any mitigation agreements and environmental permits. If a mitigation monitoring plan is required for any project mitigation, Program Manager shall work with Sub-Grantees to submit the plan to SAWPA grant administrator for review and acceptance prior to its adoption by the responsible Sub-Grantee agency.

**TASK 4 - PREPARE PROJECT MONITORING PLAN**

Program Manager shall coordinate work by the Sub-Grantees and SAWPA to prepare a Project Monitoring Plan (PMP) for SARCCUP that incorporates each of the eight tasks in the IRWM Grant Agreement scope of work. The PMP will be prepared consistent with DWR guidelines and grant requirements and will provide assessment and performance measures to demonstrate that the Program meets its intended goals, achieves measurable outcomes, and provides value to the State of California. The PMP shall describe the task-specific performance measures that will be used to quantify and verify project performance. It will also discuss the monitoring tools and methods to be used to verify performance with respect to the program benefits or objectives identified in the Grant Agreement.

Program Manager shall assure that the monitoring described in the monitoring plan fulfills all mandated requirements, including but not limited to the following:

1) All groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001.

2) Projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program administered by the State Water Resources Control Board.

3) Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to SAWPA with a narrative description of data submittal activities (included in project reports) as described below:
   a. Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). Data shall be submitted in CEDEN data templates that are available on the CEDEN website (http://www.ceden.org). Inclusion of additional data elements described on the data templates is desirable. Data ready for submission shall be uploaded to the CEDEN Regional Data Center via the CEDEN website and a copy shall be given to SAWPA.
   b. Groundwater quality monitoring data shall be submitted to the State for inclusion in the State
Water Resources Control Board’s Groundwater Ambient Monitoring and Assessment (GAMA) Program. If groundwater level data are collected, the data shall be submitted to DWR’s Water Data Library (WDL) with a narrative description of data submittal activities (included in project reports). Information regarding the WDL and the format to submit the data can be found at: http://wdl.water.ca.gov/. In the near future, DWR’s WDL will be replaced by the California Statewide Groundwater Elevation Monitoring program (CASGEM). Once this program comes online, Program Manager will then submit groundwater level data to CASGEM. A copy of all local project data to be submitted shall be given to SAWPA.

**TASK 5 – COORDINATE APPROPRIATE PERMITTING EFFORTS**

Program Manager shall work with all Sub-Grantees to assure that all necessary permits have been secured for the Program and are or have been submitted to SAWPA grant administrators. Permits may include 1602 Streambed Alteration Agreements from the California Department of Fish and Wildlife, 2081 Incidental Take Permits from CDFG, 404 Nationwide Permits from the ACOE, Rights of Entry from the ACOE, and 401 Certifications from the Regional Water Quality Control Board.

Program Manager shall incorporate all permit activities into the Program schedule (Task 6). Program Manager shall coordinate permit applications and coordinate meetings with each of the Sub-Grantees and the responsible permitting agencies to ensure consistency of permit applications, conditions of approval, and other related permitting processes. In addition, and upon approval by SAWPA, Program Manager shall assign individuals experienced in any specific permit that requires additional effort to correct or address deficiencies in either completeness or timeliness in order to maintain the individual permit schedule.

**TASK 6 - SCHEDULE INFORMATION**

Program Manager shall coordinate with Sub-Grantees and SAWPA to ensure that the Program and each of the projects are progressing according to schedule. Program Manager shall prepare an initial comprehensive program schedule by task and subtask and provide monthly updates. Program Manager shall coordinate with each of the Sub-Grantees to obtain monthly schedule updates for each of the identified projects.

Program Manager shall review the schedules and identify any departures and shall work with the Sub-Grantees to develop appropriate strategies to recover schedule, if possible. When departures from the schedule develop, Program Manager, working with the Sub-Grantees shall seek to obtain approval from SAWPA and have any schedule departures approved in accordance with the IRWM Grant Agreement.
**Task 7 - Construction Activities and Notification**

Program Manager shall coordinate with SAWPA grant administrators and Sub-Grantees regarding required inspection of all construction facilities regularly and coordinate all implementation activities, holding a bi-weekly conference call. Program Manager will, if requested, coordinate with SAWPA and Sub-Grantees to schedule and conduct project site visits with DWR staff. Program Manager shall work with Sub-Grantees to ensure that they notify SAWPA in writing of:

- Any substantial change in scope of the Program that may be undertaken until written notice of the proposed change has been provided to SAWPA, and written approval for such a change has been received by the Sub-Grantees;
- Any public or media event publicizing the accomplishments and/or results of the Grant Agreement and provide the opportunity for attendance and participation. Notification of the event must be at least 20 calendar days prior to the event.
- Unscheduled cessation of major construction work on a project where such cessation of work is expected to last or does continue to last for a period of 5 business days or more; any circumstance, combination of circumstances, or condition which is expected to delay project completion for a period of 90 calendar days or more beyond the initial estimated date of completion of the Project previously provided to SAWPA;
- Any significant change in expected project benefits, significant quality or safety issues, contractor claims, lawsuits or other significant positive or negative events;
- Completion of construction of the projects and provide SAWPA the opportunity to participate in the inspection. Notification must be pursued at least 20 calendar days prior to inspection.

This scope of work does not include construction inspection activities.

**Task 8 – Acknowledgement of Credit/Signage Requirements**

Program Manager shall work with Sub-Grantees to ensure appropriate acknowledgement of credit to the State, SAWPA and to all cost-sharing partners for their support when promoting the Program or using any data and/or information developed during any aspect of SARCCUP. During construction, Program Manager shall coordinate with each Sub-Grantee to ensure that multiple signs are installed and measure at least four feet tall by eight feet wide made of ¾ inch thick exterior grade plywood or other approved material in a prominent location on the Project site, which shall include a statement that the Project is financed under the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84), administered by the State of California, Department of Water Resources and by the Santa Ana Watershed Project Authority. The sign shall include the One Water One Watershed logo, the SAWPA logo, and the logos of SAWPA member agencies (available from SAWPA). Before the signs are constructed, the Program Manager shall work with each Sub-Grantee to ensure that a draft design layout of the sign is provided to SAWPA for approval. Program Manager shall notify SAWPA that the signs have been erected by providing them with a site map with the sign location noted and a photograph of the signs.
**Task 9 - Benefit Assessment**

Program Manager shall prepare a benefit assessment report for the SARCCUP that summarizes the regional priorities, objectives and water management strategies of the One Water One Watershed 2.0 Plan ([www.sawpa.org/owow](http://www.sawpa.org/owow)). This report shall provide a brief comparison of work proposed in the SARCCUP and actual work done; contain a brief description of the projects completed and how the projects will further the goals identified in SAWPA's final approved OWOW Plan; describe how the implemented projects will meet the regional priorities identified in the final adopted OWOW Plan and how the projects contribute to regional integrations; identify remaining work and mechanism for their implementation; provide a short discussion, if applicable, on how the OWOW Plan with the implementation of the grant funded Program will assist in reducing dependence on Delta water supplies.

Additional information shall be prepared to include benefits derived from the Program with quantification of such benefits provided (if applicable), a final project schedule that compares actual progress versus planned progress as shown in the IRWM Grant Agreement and referenced in the Sub-Grantee agreements, certification by each of the Sub-Grantees and Program Manager that each project was conducted in accordance with the approved work plan and any approved modifications thereto, and a submittal schedule.

**Task 10 – Report Submittals**

Program Manager shall institute a document management, tracking, and retrieval system that provides access to all Program Documents. Program Manager shall utilize a cloud-based system such as Opti that provides for access by SAWPA and each Sub-Grantee of all relevant documents, including invoices, schedules, reports, disbursements, etc.

Program Manager shall work with Sub-Grantees to coordinate the preparation and submittal of quarterly, annual and final reports as specified in the SARCCUP and following DWR requirements and the IRWM Grant Agreement guidelines.

Program Manager shall work with Sub-Grantees to ensure that the following is accomplished for each project contained in the Program scope of work:

1) Establish an official Project file that documents all significant actions relative to the Project;

2) Establish separate accounts that adequately and accurately itemize and describe all amounts received and expended on the Project, including local expenditures and grant funds received under the IRWM Grant Agreement;

3) Establish separate accounts that adequately and accurately itemizes and describes all income received which is attributable to the Project, specifically including any income attributable to grant funds disbursed and income attributable to each Sub-Grantee.
4) Establish an accounting system that adequately and accurately itemizes and describes final total costs of the Project, including both direct and indirect costs;

5) Establish such accounts and maintain such records as may be necessary for the State, DWR and SAWPA to fulfill federal reporting requirements, including any and all reporting requirements under federal tax statutes or regulations; and

6) If Force Account is used by any Sub-Grantee for any phase of the Program, Program Manager shall establish an account that adequately and accurately itemizes and describes all employee hours, and associated tasks charged to the Program per employee.

Program Manager shall also coordinate with Sub-Grantees to ensure that all local project contractors and subcontractors maintain books, records, and other material relative to the project in accordance with generally accepted accounting standards, and to require that such contractors and subcontractors retain such books, records, and other material for a minimum of five (5) years after project completion. All such books, records, and other material shall be subject, at all reasonable times, to inspection, copying, and audit by SAWPA, DWR or its authorized representatives.

Program Manager working with the Sub-Grantees shall ensure that each Sub-Grantee maintain books, records and other material concerning the Program in accordance with generally accepted government accounting standards and as required by the SAWPA Sub-Grantee Agreements.

Program Manager working with the Sub-Grantees shall expeditiously provide, during work on the Program and as a Program Manager Scoping Option, for three years after completion of the Program construction, such reports, data, information and certifications as may be reasonably required by SAWPA. Such documents and information shall be provided in electronic format.

**TASK 11 – QUARTERLY PROGRESS REPORTS**

Program Manager shall work with the Sub-Grantees in compiling, evaluating and combining the local project component quarterly progress reports into a Program Quarterly Report which shall be submitted to the SAWPA grant administrator. The Sub-Grantee Quarterly Progress Reports shall provide a brief description of the work performed, activities, milestones achieved, any accomplishments as well as any problems encountered in the performance of the work. The first quarterly report (tentatively scheduled) shall cover the period between 07/01/2016 and 09/30/2016 and be submitted no later than 10/15/2016, with future reports due on successive three month increments. Future quarterly reports shall cover the periods Oct-Dec (due Jan 15, 2017), Jan-Mar (due Apr 15), and Apr-Jun (due July 15). This pattern will continue through the end of the Program term.
**Report Format:**

Progress reports shall generally use the following format, organized by groundwater basin banks and other project components, and which may be modified as needed to effectively communicate information. For each project, describe the work performed including:

- Project Status
- Describe the work performed during the time period covered by the report, tasks/subtasks/categories, including but not limited to:
  - Updates on all ongoing tasks.
  - Estimates of the percent (%) complete by task and the overall Program.
  - Discussion of any project related work completed this reporting period.
  - Milestones or deliverables completed/submitted.
  - Impediments to completion of any task.
  - Photos documenting progress.

**COST INFORMATION**

For each project, provide the following:

- A comparison of project task(s) percent complete with percent invoiced.
- A list of any changes approved by the PA-23 committee to the budget in accordance with Grant Agreement and a revised budget, by task, if changed from latest budget in the Overall Work Plan.

**TASK 12 – PROJECT INVOICE OVERSIGHT**

Program Manager shall facilitate program budget compliance by obtaining copies of all project invoices and tracking the invoices submitted by the Sub-Grantees to the SAWPA grant administrator, as well as the documentation of the distribution of grant funding to the Sub-Grantees following State reimbursement. Using this documentation, Program Manager shall conduct an accounting of funds expended to complete the program including the tracking cost share obligation of the overall SARCCUP Program under Sub-Grantee agreements with SAWPA. Program Manager will compile a copy of all invoices from the SAWPA member agencies on a monthly basis and prepare a list of all invoices based on submittal of all SAWPA member agencies implementing the project elements. Information to be included for each invoice will be the date of submittal, the amount, the date a reimbursement check was received, and the amount of the check. A summary of payments made by all the SAWPA member agencies for local SARCCUP implementation projects will be compiled by the Program Manager and submitted to meet the cost share obligations of the Grant Agreement.

Program Manager will prepare a summary of final funds disbursed including labor cost of personnel of the agency and the consultant, including hours, rates, types of professionals and
reasons for consultant (design, CEQA, etc.); project cost information, shown by material, labor costs, and any change orders; details of any other costs incurred; and a statement verifying separate accounting of funding disbursements.

Invoices shall be completed in the following format requirements:

- Invoices shall contain the date of the invoice, the time period covered by the invoice, and the total amount due.
- Invoices shall be itemized. The amount claimed for salaries/wages/consultant fees must include a calculation formula (i.e. hours or days worked times the hourly or daily rate = the total amount claimed).
- Sufficient evidence (i.e. receipts, copies of checks, timesheets) must be provided for all costs included in the invoice.
- Each invoice shall clearly delineate those costs claimed for reimbursement from the State’s grant amount and those costs that represent the project’s share as applicable.
- Invoices also shall include the following information:
  - Costs incurred for work performed in implementing the project contracts during the period identified in the particular invoice.
  - Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for a project during the period identified in the particular invoice for the construction, operation, or maintenance of a project.
  - Appropriate receipts and reports for all costs incurred.

**Task 13 – Project Review and Evaluation; Final Reports and Audit**

Program Manager, working with the Sub-Grantees, shall obtain copies of all final project completion reports submitted to the SAWPA grant administrators to ensure that the overall Program is in compliance with the respective Sub-Grantee agreements with SAWPA for construction and implementation of project components and to ensure full completion of the program.

Program Manager shall be available to engage with SAWPA Audit if called, and will support SAWPA Grant Administrators if the California Departments of Finance or Water Resources conduct an audit of the program, which may occur during or following program completion.

In addition to the documents and deliverables required to be provided by the IRWM Grant Agreement, within 90 days after completion of Program but no later than 14 days prior to the due date indicated in the IRWM Grant Agreement, the Program Manager will support the Sub-Grantees providing to SAWPA grant administrators a final Project summary report on the Program. The summary shall include, at a minimum, all of the following:
A description of the completed projects including purpose, goals, activities completed and participants, the general performance characteristics (e.g. the delivery rate and quantity of water pumped) of the constructed facilities, a description of the water quality benefits attained from the construction of the project (consistent with the Project Management Plan), any goals not achieved or only partially achieved, lessons learned, public outreach conducted, a summary of the construction program, a summary of all documents submitted to SAWPA in compliance with the IRWM Grant Agreement, and copies of any final documents or reports generated or utilized during a project. The summary shall also contain a description of startup activities, problems encountered, corrective measures completed as well as any changes or amendments to the project.

A final cost summary listing the total project costs, total project costs eligible for grant funding under the IRWM grant agreement, total amount of grant funds received, and other financial information as may be reasonably required by the DWR to verify entitlement to grant funds, to assure program integrity, and to comply with federal requirements. The report shall be accompanied by such other financial information as may be required by SAWPA or DWR to verify the SAWPA entitlement to grant funds, to assure program integrity, and to comply with any federal or state requirements. Program Manager in coordination with SAWPA member agencies shall certify the report as correct.

A final schedule showing actual progress versus planned progress.

If applicable, certification of final project by a registered civil engineer, consistent with Standard Condition D-15, “Final Inspection and Certification of Registered Civil Engineer”.

A DWR “Certification of Project Completion”.

PROJECT COMPLETION REPORT

Program Manager will support Sub-Grantees with the compilation and submission of a Program completion report using the following format:

Executive Summary

Provide a brief summary of project information and include the following items:

• Brief description of work proposed to be done in the IRWM Grant application.
• Description of actual work completed and any deviations from Exhibit A. List any official amendments to this Sub-Grantee Agreement, with a short description of the amendment.
• Reports and/or Products
• Final Evaluation report
• Electronic copies of any data collected, not previously submitted
• As-built drawings
• Final geodetic survey information
- Self-Certification that each Project meets the stated goal of the IRWM Grant Agreement (e.g. 100-year level of flood protection, HMP standard, PI-84-99, etc.)
- Project photos
- Discussion of problems that occurred during the work and how those problems were resolved
- A final project schedule showing actual progress versus planned progress
- Costs and Dispositions of Funds

A list showing the following:

- The date each invoice was submitted to SAWPA
- The amount of the invoice
- The date the check was received from SAWPA
- The amount of the check (If a check has not been received for the final invoice, then state this in this section.)
- A summary of the payments made by the Grantee for meeting its cost sharing obligations under this Sub-Grantee Agreement.

A summary of final funds disbursement including:

- Labor cost of personnel of agency/ major consultant /sub-consultants. Indicate personnel, hours, rates, type of profession and reason for consultant, i.e., design, CEQA work, etc.
- Project cost information, shown by material, equipment, labor costs, and any change orders
- Any other incurred cost detail
- A statement verifying separate accounting of funding disbursements
- Summary of project cost including the following items:
  - Accounting of the cost of project expenditure;
  - Include all internal and external costs not previously disclosed; and
  - A discussion of factors that positively or negatively affected the project cost and any deviation from the original project cost estimate.
- Additional Information
- Benefits derived from the project, with quantification of such benefits provided, if applicable.
- A final project schedule showing actual progress verse planned progress.
- Certification from a California Registered Professional (Civil Engineer or Geologist, as appropriate) that the project was conducted in accordance with the approved work plan and any approved modifications thereto.
- Submittal schedule for the Post Performance Report and an outline of the proposed reporting format.

**Task 14 – Project Closeout Documentation**

Program Manager shall support the Sub-Grantees to ensure that the Program is closed out in a manner that provides an auditable file. Program Manager working with Sub-Grantees shall follow a close-out procedure that includes payment of all subcontracts, completion of all punch lists, defects correction, and satisfaction of warranty or guarantee issues, and any other
requirements for the completion of the scope of work. Such close-out procedures shall include those procedures contained in the IRWM Grant Agreement or otherwise required by SAWPA and DWR.
## Fee Estimate

**SAWPA**  
**FY 2018**

### SARCCUP Program Management

#### Tasks

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#### Subtotal Task 1 | 12 | 64 | 272 | 0 | 48 | 34 | 96 | 24 | 24 | 574 | $134,728 | $2,000 | $2,200 | $136,928

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### Subconsultants

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<th>Subtasks</th>
<th>Description</th>
<th>Work Package Total</th>
<th>Fee Estimate ($)</th>
</tr>
</thead>
</table>
| 1.25 | 1.25.1 | Subconsultants will be billed at actual cost plus 10%.

---

### Notes

1. The individual hourly rates include salary, overhead and profit.
2. Subconsultants will be billed at actual cost plus 10%.
3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.

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**7/12/2016 SARCCUP Rev Fee Estimate_12Jul2016**

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SANTA ANA WATERSHED PROJECT AUTHORITY

CHANGE ORDER NO. 1
To Task Order No. RMC504-401-01

CONSULTANT: Woodard & Curran
(Formerly RMC Water & Environment)
15510-C Rockfield Blvd. Ste. 200
Irvine, CA 92618

VENDOR NO. 1980

PROJECT: SARCCUP Program Management Services

VALUE: $0 – Repurpose Funds

REQUESTED BY: Mark Norton, P.E.
Water Resources & Planning Manager

May 22, 2017

FINANCE: 
Karen Williams, CFO

Date

FINANCING SOURCE: 
Acct. Coding: 504-401-IMPLE-6113-01
Acct. Description: General Consulting

COMMISSION AUTHORIZATION REQUIRED FOR THIS CHANGE: YES ( ) NO (X)

Funding for this work previously was authorized by the Commission on 7-28-16; Ref. Memo No. #2016.1

Consultant is hereby directed to provide the extra work necessary to comply with this change order.

DESCRIPTION / JUSTIFICATION OF CHANGE: Per SAWPA and the SARCCUP member agencies, Consultant is to provide the additional work under Task 10 – Report Submittals. This additional work is related to developing enhancements for the Opti PM software that SARCCUP will use for progress reporting, invoice tracking, and document tracking under the Proposition 84 grant program.

As there is budget remaining under a few of the original tasks, Consultant and the SARCCUP agencies have agreed to repurpose some remaining budget of one task to cover the Opti PM Enhancements. The scope that originally was intended under those repurposed tasks will not be conducted under the FY2017 contract. Further details of the repurposed funds are provided in Attachment A.

CHANGE IN CONTRACT TIME: June 30, 2017

CHANGE IN TASK ORDER PRICE: Original Task Order Amount: $310,429
Change Order No. 1 Amount: $0
Amended Contract Total: $310,429
ACCEPTANCE:
Consultant accepts the terms and conditions stated above as full and final settlement of any claims arising from or related to this Change Order. Consultant agrees to perform the above described work in accordance with the terms and in compliance with applicable sections of the Contract Specifications. This Change Order is hereby agreed to, accepted and approved, all in accordance with the General Provisions of the Contract Specifications.

SANTA ANA WATERSHED PROJECT AUTHORITY

Celeste Cantú, General Manager

Date

WOODARD & CURRAN

(Signature)  Date  Typed/Printed Name
May 16, 2017

Mr. Mark Norton  
Santa Ana Watershed Protection Authority  
11615 Sterling Avenue  
Riverside, CA 92503

Subject: SARCCUP FY2017 Program Management. Amendment to Task Order No. RMC504-401-01 ("no cost").

Dear Mr. Norton:

This letter serves to document a decision made by SAWPA and the SARCCUP member agencies at the April 27, 2017 Technical Group meeting. Prior to this meeting, Woodard & Curran (formerly RMC) submitted a request for amendment to perform additional work under Task 10 – Report Submittals. The additional work is related to developing enhancements for the Opti PM software that SARCCUP will use for progress reporting, invoice tracking, and document tracking under the Prop. 84 grant program.

The SARCCUP agencies agreed that additional work corresponding to $23,202 would be authorized (see table below).

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Since there is budget remaining under some of the original tasks, Woodard & Curran and the SARCCUP agencies have agreed to re-purpose some remaining budget of one task to cover these Opti PM Enhancements. The scope that was originally intended under those re-purposed tasks will not be conducted under the FY2017 contract.
It is our proposal to use $23,202 from Task 5—Coordinate Appropriate Permitting Efforts, to complete the Opti PM Enhancements. Task 5 currently has $34,036 of budget, so this change would leave $10,834 remaining in Task 5. It is assumed that the original effort under Task 5 will be reduced by a proportionate amount. The original scope language for Task 5 is as follows:

"Program Manager shall work with all Sub-Grantees to assure that all necessary permits have been secured for the Program and are or have been submitted to SAWPA grant administrators. Permits may include 1602 Streambed Alteration Agreements from the California Department of Fish and Wildlife, 2081 Incidental Take Permits from CDFG, 404 Nationwide Permits from the ACOE, Rights of Entry from the ACOE, and 401 Certifications from the Regional Water Quality Control Board. Program Manager shall incorporate all permit activities into the Program schedule (Task 6). Program Manager shall coordinate permit applications and coordinate meetings with each of the Sub-Grantees and the responsible permitting agencies to ensure consistency of permit applications, conditions of approval, and other related permitting processes. In addition, and upon approval by SAWPA, Program Manager shall assign individuals experienced in any specific permit that requires additional effort to correct or address deficiencies in either completeness or timeliness in order to maintain the individual permit schedule."

Overall, it is anticipated that these enhancements will streamline the progress reporting/invoicing process and allow a 15 to 20% collective savings under the following task budgets starting in FY 2018 (approximately $30,000 to $40,000 over the remaining four years of the contract):

- Task 10: Report Submittals
- Task 11: Quarterly Progress Report
- Task 12: Project Invoice Oversight

In addition to these benefits, it is expected that the enhancements will result in time savings for the SARCCUP agencies each quarter during preparation of invoices and quarterly reports.

Scope of work and budgets for FY2018 are expected to be negotiated prior to the authorization of the next task order for that year. Levels of effort for the various tasks will be considered at that time for FY2018. Please do not hesitate to contact me at 213-223-9479, bdietrick@woodardcurran.com with any questions you may have.

Sincerely,

Brian N. Dietrick, P.E.
Senior Environmental Engineer
Paul Jones  
Eastern Municipal Water District  
P.O. Box 8300  
Perris, CA 92572-8300  

Joe Grindstaff  
Inland Empire Utility Agency  
P.O Box 9020  
Chino Hills, CA 91709  

Mike Markus  
Orange County Water District  
P.O. Box 8300  
Fountain Valley, CA 92728-8300  

Doug Headrick  
San Bernardino Valley Municipal Water District  
380 East Vanderbilt Way  
San Bernardino, CA 92408  

Celeste Cantú  
Santa Ana Watershed Project Authority  
11615 Sterling Avenue  
Riverside, CA 92503-4979  

John V. Rossi  
Western Municipal Water District  
14205 Meridian Parkway  
Riverside, CA 92518  

Re: Cost Sharing Letter Agreement  
Santa Ana River Conservation & Conjunctive Use Program ("SARCCUP")  
Conservation Measures

This Cost Sharing Letter Agreement ("Agreement") sets forth the understanding between the undersigned parties regarding the local cost share for the conservation components of SARCCUP ("Conservation Measures") which have been defined in the 2016 Grant Agreement ("Grant Agreement") between the California Department of Water Resources ("DWR") and the Santa Ana Watershed Project Authority ("SAWPA") which will be administered by the Project Agreement ("PA") 22 committee of SAWPA. The Scope of the Project which is the subject of this Agreement is outlined herein and further set forth in the attached Grant Agreement hereinafter incorporated into this Agreement and labeled Exhibit "A".
The undersigned parties (collectively referred to as “Parties” and individually as “Party”) hereby agree to share the cost of the Conservation Measures according to the provisions set forth below.

1. Scope of the Project - Conservation Measures
SARCCUP is a multi-agency, watershed-wide program developing dry-year yield supply by banking wet-year water that also integrates water conservation measures, habitat enhancements, and recreational use. The Conservation Measures associated with SARCCUP and this Agreement will develop increased supply through implementation of conservation-based water rates by up to five retail water agencies. Additionally, a drought tolerant landscaping maintenance outreach program called Smartscape operated by Orange County Coastkeeper/Inland WaterKeeper will also be implemented as needed throughout the Santa Ana River Watershed to support effective water use efficiency.

2. Cost Sharing

(a) Cost of Conservation Measures
SAWPA has entered into an agreement with DWR to provide Grant funding for SARCCUP which includes among other things, Conservation Measures which will require a local cost share.

(b) Cost Sharing Between the Undersigned Parties
The local cost share for the Conservation Measures described in the Scope of the Project above is $826,000. The Parties (except SAWPA) shall each be responsible for their payment of the local cost share components of the Conservation Measures in an amount not to exceed one-fifth of the total local cost share or $165,200 as follows:

(i) The Parties (except SAWPA) shall be responsible for a one-time payment of $165,200 payable to SAWPA upon receipt of an invoice delivered following execution of this Agreement by all Parties. None of the Parties shall be responsible for any payment of any amounts in excess of its share pursuant to this Agreement without the prior written consent of the Parties being requested to pay such additional amount.

(ii) SAWPA shall track all expenses and payments associated with the implementation of Conservation Measures under this Agreement and provide regular progress and accounting updates to the Parties through the Parties’ Conservation Advisory Workgroup.

(iii) In the event any portion of the payments made by the Parties to SAWPA remain unspent upon termination of the Grant Agreement, SAWPA shall return the unspent portion to the Parties equally.

3. Effective Date and Term
This Agreement shall be effective on the date of full execution of this Agreement by all of the Parties (“Effective Date”). The term of this Agreement shall be from the Effective Date to the date of completion of performance of the Scope under the Grant Agreement pursuant to the
schedule and deadlines set forth in Exhibit A and other schedules and deadlines as may be determined by the Parties and the PA 22 committee. The Parties may elect to extend the term upon the prior written consent of the Parties that wish to participate.


(a) Notices
Correspondence to be given to any Party may be sent via email or USPS mail, addressed and delivered as set forth below in the signature blocks for each Party.

(b) Representation of Authority
Each Party represents to the other that it has the authority to enter into this Agreement and that the individual signing this Agreement on behalf of their respective Parties has the authority to execute this Agreement and to bind their respective Parties to the terms and conditions of this Agreement.

(c) Counterparts
This Agreement may be executed in several counterparts, all or any of which shall be regarded for all purposes as one original and shall constitute and be but one and the same instrument.

(d) Governing Law
This Agreement shall be governed by and construed in accordance with the laws of the State of California.

(e) Cooperation
The Parties acknowledge that they are entering into an Agreement in which the cooperation of all Parties will be required, including the execution of necessary further documents. The Parties agree to cooperate in good faith with each other and submit timely documents for the benefit of SARCCUP.

BY SIGNING BELOW, THE PARTIES AGREE TO BE BOUND BY THE PROVISIONS OF THIS AGREEMENT

SANTA ANA WATERSHED PROJECT AUTHORITY

By: ______________________________
Celeste Cantú, General Manager

Dated: _____________________________

11615 Sterling Avenue
Riverside, CA 92503-4979
E-mail: ccantu@sawpa.org
EASTERN MUNICIPAL WATER DISTRICT

By:  ______________________________
    Paul Jones, General Manager

Dated: _____________________________

P.O. Box 8300
Perris, CA 92572-8300
E-mail: jonesp@emwd.org

INLAND EMPIRE UTILITY AGENCY

By:  ______________________________
    Joe Grindstaff, General Manager

Dated: _____________________________

P.O Box 9020
Chino Hills, CA 91709
E-mail: jgrindstaff@ieua.org

ORANGE COUNTY WATER DISTRICT

By:  ______________________________
    Mike Markus, General Manager

Dated: _____________________________

P.O. Box 8300
Fountain Valley, CA 92728-8300
E-mail: mmarkus@ocwd.com

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By:  ______________________________
    Doug Headrick, General Manager

Dated: _____________________________

380 East Vanderbilt Way
San Bernardino, CA 92408
E-mail: dough@sbvmwd.com
WESTERN MUNICIPAL WATER DISTRICT

By: ______________________________________
    John V. Rossi, General Manager

Dated: _________________________________

14205 Meridian Parkway
Riverside, CA 92518
E-mail: jrossi@wmwd.com
# SARCCUP Schedule Roll-Up (By Agency)

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<th>2018</th>
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# Santa Ana River Conservation & Conjunctive Use Program (SARCCUP) Schedule - Two-Month Look-Ahead

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<td>SAWPA-IEUA Sub-Agreement</td>
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<td>Task 2: Labor Compliance</td>
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<td>Mon 9/5/22</td>
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Project: SARCCUP Schedule_9Jan17_critical path_DL
Date: Wed 5/24/17
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<tr>
<td>62</td>
<td><strong>Well Drilling Three Wells - ROW Acquisition</strong></td>
<td>Mon 1/18/16</td>
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<td>Task 4.2: SBVMWD Land Purchase/Easement</td>
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<td><strong>Conjunctive Use Water Bank Facilities (San Bernardino Basin) - Property Acquisition</strong></td>
<td>Mon 4/3/17</td>
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<td>Task 4.3: WMWD Land Purchase/Easement</td>
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<td>Fri 9/29/17</td>
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<td><strong>Conjunctive Use Water Bank Facilities (Elsinore Basin) - Property Acquisition: Well Sites</strong></td>
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<td><strong>Task 5: Feasibility Studies</strong></td>
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<td>Task 5.2: SARCCUP Analyze Overall System</td>
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<td><strong>Analyze/Optimize Watershed For All Project Components</strong></td>
<td>Fri 1/27/17</td>
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<td>Task 5.3: SARCCUP Master Plan</td>
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<td><strong>Prepare Watershed Long Term Facilities Plan For All Project Components</strong></td>
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<td>Task 6.1: Programmatic CEQA</td>
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<td>Publish Public Draft EIR</td>
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<td>Response to Comments</td>
<td>Thu 5/25/17</td>
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<td>Prepare Final EIR and NOD</td>
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<td>Prepare Findings and S.O.C.</td>
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**Project: SARCCUP Schedule_9Jan17_critical path_DL**

**Date:** Wed 5/24/17
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<th>Task Name</th>
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<td><strong>Arundo Removal - OCWD EIR Certification</strong></td>
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<td><strong>Task 7: Permitting</strong></td>
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<td>Task 8.1: Chino Basin CUP</td>
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<td>101</td>
<td><strong>Baseline&amp; Azusa-Devil Canyon Pipeline &amp; Connections - Consultant Selection</strong></td>
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<td>Fri 3/16/18</td>
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<td><strong>Baseline&amp; Azusa-Devil Canyon Pipeline &amp; Connections - Preliminary Design</strong></td>
<td>Mon 4/3/17</td>
<td>Fri 10/12/18</td>
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<td>Well Modifications - Site Selection</td>
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