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, DECEMBER 4, 2018 – 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: August 7, 2018
   Recommendation: Approve as posted.

4. INFORMATIONAL REPORTS
   Recommendation: Receive and file the following oral/written reports/updates.
   A. SARCCUP CONJUNCTIVE USE PROJECT UPDATE (PA23 2018.2)
      Presenter: SAWPA | Woodard & Curran
   B. SARCCUP DETAILED SCHEDULE
      Presenter: Woodard & Curran
   C. SARCCUP CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) COMPLIANCE STATUS
      1. Joint Environmental Impact Report (EIR)
         Presenters: IEUA
      2. San Jacinto Basin Environmental Impact Report (EIR)
         Presenter: EMWD
      3. Santa Ana Sucker Habitat Environmental Impact Report (EIR)
         Presenter: SBVMWD
D. **METROPOLITAN WATER DISTRICT AGREEMENT STATUS**  
Presenter: EMWD | SBVMWD

E. **SARCCUP PROPOSITION 84 GRANT AGREEMENT AMENDMENT AND SUB-AGREEMENTS STATUS**  
Presenter: SAWPA

5. **COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

6. **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 Wednesday, November 28, 2018, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted at SAWPA’s office, 11615 Sterling Avenue, Riverside, California.

/s/  
Kelly Berry, CMC

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**2019 Project Agreement 23 Committee Regular Meetings**

First Tuesday of Every Other Month (February, April, June, August, October, December)  
(Note: All meetings will be held at 8:30 a.m., unless otherwise noticed, and are held at SAWPA.)

<table>
<thead>
<tr>
<th>February</th>
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<tbody>
<tr>
<td>2/5/19</td>
<td>4/2/19</td>
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<tr>
<td>Regular Committee Meeting</td>
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<tr>
<th>June</th>
<th>August</th>
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<tr>
<td>6/4/19</td>
<td>8/6/19</td>
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<tr>
<td>Regular Committee Meeting</td>
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<table>
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<tr>
<th>October</th>
<th>December</th>
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<tbody>
<tr>
<td>10/1/19</td>
<td>12/3/19</td>
</tr>
<tr>
<td>Regular Committee Meeting</td>
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</table>

**Note:** Per Action of the PA 23 Cmte on 4-4-2017 (agenda item No. 4), beginning June 2017 the regular PA 23 Committee meetings shall be held at 8:30 a.m. on the first Tuesday of every other month, with the next regular meeting held on June 6, 2017. This action changed the every-other-month rotation to June, August, October, December, February, April (formerly January, March, May, July, September, November).
COMMITTEE MEMBERS PRESENT
Thomas P. Evans, Chair, Western Municipal Water District Board Vice President
Jasmin A. Hall, Vice Chair, Inland Empire Utilities Agency Board Secretary/Treasurer (8:34 a.m.)
Susan Lien Longville, San Bernardino Valley Municipal Water District Board President
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]
None.

COMMITTEE MEMBERS ABSENT
None.

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

Inland Empire Utilities Agency
Jason Pivovaroff
Joshua Aguilar

San Bernardino Valley Municipal Water District
Heather Dyer

Western Municipal Water District
Craig Miller
Ryan Shaw

Orange County Water District
None

Santa Ana Watershed Project Authority
Karen Williams
Larry McKenney
Dean Unger
Ian Achimore
Kelly Berry

OTHERS PRESENT
Woodard & Curran: Brian Dietrick | Scott Goldman

1. **CALL TO ORDER** (Thomas P. Evans, Chair)
The regular meeting of the PA 23 Committee was called to order at 8:30 a.m. by Chair Evans at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

2. **PUBLIC COMMENTS**
There were no public comments.
3. **APPROVAL OF MEETING MINUTES: June 5, 2018**

**MOVED**, approve the June 5, 2018 meeting minutes.

**Result:** Adopted (Unanimously)

**Motion/Second:** Longville/Jones

Ayes: Evans, Jones, Longville, Markus

Nays: None

Abstentions: None

Absent: Hall

4. **INFORMATIONAL REPORTS**

A. **SARCCUP PROJECT SCHEDULE**

Brian Dietrick, Woodard & Curran, provided a PowerPoint presentation with the updated SARCCUP Project Schedule.

Committee Member Jasmin Hall arrived at 8:34 a.m., during the presentation of Agenda Item No. 4.A.

Brian Powell, EMWD, provided project specific information on the Mountain Avenue West Recharge Facility and site percolation testing and borings results. This effort confirmed there are no anticipated recharge problems.

Ian Achimore, SAWPA, provided project specific information on the Arundo Removal Study on behalf of Adam Hutchinson, OCWD. Achimore also provided information on the Smartscape Program and field outreach efforts by project sponsor Inland Empire Waterkeeper as well as project monitoring plans to track grant deliverables.

Committee Member Evans voiced concern of a possible critical path delay that might impact the project as a whole, such as an agreement with Chino Basin Watermaster. Jason Pivovaroff, IEUA, advised that while they continue to work with Chino Basin Watermaster, the proposal will not require a storage agreement between IEUA and Watermaster parties. They are able to offer the performance under SARCCUP with their local agencies directly, which already have the means and methods to accomplish the put and take transfers.

Committee Member Marcus noted originally the Chino Basin was to have had a greater role in storing a larger volume of water. However, the program was revised and Orange County will now provide storage, which dramatically reduced storage needs in the Chino Basin.

Heather Dyer, SBVMWD, provided an oral update on the Santa Ana Sucker Habitat portion of SARCCUP. More than 30% has been designed; staff will be touring sites with regulators and other interested parties on August 29 to seek design input. The next step will be the construction phase. Staff is actively engaged with members of the Morongo Band of Mission Indians to address tribal concerns regarding future work. The draft EIR is expected to be released in November 2018, with anticipated certification in early 2019. Dyer confirmed the requirement to obtain a biological opinion from the California Department of Fish and Wildlife; staff has been engaged in advance planning, primarily regarding Verio.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 4.A.
B. **SARCCUP CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) COMPLIANCE STATUS**

Joshua Aguilar, IEUA; provided an oral report on the three-agency EIR (IEUA, OCWD, WMWD) for Water Banking and Arundo Donax Removal. The final EIR is expected by the end of December and will be considered by the IEUA Board in January 2019.

Kelley Gage, EMWD, provided the PowerPoint contained in the agenda packet (pages 23-34) with an overview of the San Jacinto Valley Water Banking – Enhanced Recharge and Recovery Program (ERRP) and Phase 1 Project/SARCCUP: Final Program and Project Environmental Impact Report. Gage advised the EIR is complete and was certified in June 2018. Eastern’s ERRP is a groundwater banking project with a total storage capacity of up to 90,000 acre feet; SARCCUP is the first phase of that program with a water bank capacity of 19,500 acre feet. Committee Member Jones noted EMWD continues to work closely with municipal and community representatives, in particular relating to aesthetics of the 39-acre recharge pond. Three wells will be constructed which will be 1,000 to 1,200 feet in depth; construction will commence November 2018 and should be completed in June 2021.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 4.B.

C. **SARCCUP PROPOSITION 84 GRANT AGREEMENT AMENDMENT AND SUB-AGREEMENTS STATUS**

Ian Achimore provided an oral update. WMWD will consider its sub-agreement on August 24. SAWPA already has a sub-agreement with SBVMWD and EMWD, which will be amended when the grant agreement with DWR is amended (anticipated to occur in October). OCWD and IEUA will wait on signing their agreement until after the joint CEQA process is completed; they want to bring that as a companion document to their board along with the sub-agreement, which should occur in the January/February 2019 timeframe.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 4.C.

D. **AMERICAN WATER WORKS ASSOCIATION (AWWA) CONFERENCE PRESENTATION ON SARCCUP**

Ian Achimore and Ryan Shaw provided an oral report on the AWWA presentation. Ryan Shaw noted positive comments were received.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 4.F.

5. **COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

There were no requests for future agenda items.

6. **ADJOURNMENT**

There being no further business for review, Chair Evans adjourned the meeting at 9:12 a.m.
Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, December 4, 2018.

Thomas P. Evans, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board
PA 23 COMMITTEE MEMORANDUM NO. 2018.2

DATE: December 4, 2018

TO: SAWPA Project Agreement 23 Committee

SUBJECT: SARCCUP Conjunctive Use Project Update

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

Receive and file this status report and presentation by Woodard & Curran.

DISCUSSION

The primary goal of the SARCCUP Conjunctive Use Project is to store available imported water in a multi-basin groundwater bank during wet periods and use the stored water supply during times of reduced imported water supplies. The SARCCUP project proponents have done modeling over a two-year timeframe with consultant Jacobs (formerly CH2M) and found that they can use the majority of 180,000 acre feet (AF) of water in as soon as approximately 10-years, subject to hydrology. Through the modeling effort, the partners have found that there are major impediments to acquiring 36,000 AF of Chino Basin storage for use by IEUA. The original amount of storage space in the Chino Basin was 50,000 AF, and the reduction in 36,000 AF would reduce the total SARCCUP dedicate storage from 180,000 AF to 144,000 AF.

Through negotiations with the groundwater right holders and pumpers in the Chino Basin, SARCCUP project proponents can still secure 7,000 AF – 14,000 AF of the 50,000 AF for use by the other SARCCUP partners that don’t overly the Chino Basin, such as EMWD and WMWD. IEUA is working with the Chino Basin groundwater right holders and pumpers to develop an expanded banking program to store more than 14,000 AF of SARCCUP water, but the timeline for that program is beyond the schedule of the SARCCUP Proposition 84 Integrated Regional Water Management grant. Even without the 36,000 AF of storage the Chino Basin, IEUA would still be a major SARCCUP partner leading the joint California Environmental Quality Act (CEQA) effort and involved in the SARCCUP Water Use Efficiency Program.

The SARCCUP agency general managers, planning managers, project management consultant Woodard & Curran, and SAWPA have been meeting regularly to ensure the bank is fully optimized and have modeled scenarios that compensate for the reduction in Chino Basin storage. There are different options, shown in the table below, to utilize the $8,500,000 grant funding that is currently being provided to IEUA for the 14,000 AF in the Chino Basin. Other options, such as 2, 4, and 5 are currently being analyzed in further detail in order to ensure that the bank has as much dedicated storage as possible.

Each option’s Total SARCCUP Bank AF amount in the table is calculated with an automatic reduction of the 50,000 AF, and options 1, 2, 3 and 6 maintain 7,000 AF to 14,000 AF in the Chino Basin. The SARCCUP project proponents will bring back a recommendation to the PA 23 Committee to amend the project scope after further analysis of these options. Each is being analyzed for their effect on the CEQA process, schedule and budget.
## SARCCUP Options Currently Being Analyzed

<table>
<thead>
<tr>
<th>Option</th>
<th>Facilities AF</th>
<th>Grant Request</th>
<th>Facilities Constructed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – SARCCUP Facilities in Chino Basin Remain in Project Scope</td>
<td>14,000 AF</td>
<td>$8,500,000</td>
<td>Four wells in Chino Basin (Cucamonga Valley WD, Monte Vista WD, and Jurupa Community Services District)</td>
</tr>
<tr>
<td>2 – SARCCUP Facilities Removed in Chino Basin (JCSD Remains)</td>
<td>7,000-14,000 AF</td>
<td>$5,000,000</td>
<td>One JCSD well in Chino Basin but JCSD needs flexibility on extraction cycle</td>
</tr>
<tr>
<td>3 – Some SARCCUP Facilities Removed in Chino Basin (JCSD Remains but less AF)</td>
<td>7,000 AF</td>
<td>$5,000,000</td>
<td>One JCSD well in Chino Basin for extraction</td>
</tr>
<tr>
<td>4 – Add Orange County Facilities</td>
<td>6,000 – 14,000 AF</td>
<td>$5,000,000</td>
<td>One to three new wells in Orange County for extraction</td>
</tr>
<tr>
<td>5 – Add Riverside Facilities</td>
<td>7,000 – 22,000 AF</td>
<td>Under investigation</td>
<td>One imported water turnout for recharge and additional wells for extraction</td>
</tr>
<tr>
<td>6 – Add Facilities to connect Cucamonga Valley WD Treatment Plant to JCSD</td>
<td>7,000 – 14,000 AF</td>
<td>Under investigation</td>
<td>Etiwanda pipeline connection from Cucamonga Valley WD to JCSD</td>
</tr>
<tr>
<td>7 – Utilize storage space in Irvine Ranch WD Strand Ranch Project</td>
<td>Under investigation</td>
<td>Under investigation</td>
<td>None; SARCCUP agencies pay IRWD for recharge and extraction in the existing Strand Ranch</td>
</tr>
<tr>
<td>8 – Add facilities for EMWD Lakeview Sub-basin Project</td>
<td>Under investigation</td>
<td>Under investigation</td>
<td>Construct recharge and extraction facilities in EMWD groundwater basin</td>
</tr>
</tbody>
</table>

### CRITICAL SUCCESS FACTORS
Administration of the OWOW process and plan in a highly efficient and cost-effective manner.

### RESOURCE IMPACTS
None.

Attachment:
1. PowerPoint Presentation
Santa Ana River Conservation and Conjunctive Use Program – PA 23 Meeting

December 4, 2018
SARCCUP Grant total = $55 million
## Progression of SARCCUP Storage Volumes (by basin and total)

<table>
<thead>
<tr>
<th>Groundwater Basin</th>
<th>Initial Storage (AF)</th>
<th>Jan-2018 Storage (AF)</th>
<th>Oct-2018 Storage (AF)</th>
<th>Dec-2018 Storage (AF)</th>
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<tr>
<td>Bunker Hill</td>
<td>60,000</td>
<td>64,000</td>
<td>64,000</td>
<td>64,000</td>
</tr>
<tr>
<td>Chino</td>
<td>96,000</td>
<td>50,000</td>
<td>0</td>
<td>14,000</td>
</tr>
<tr>
<td>San Jacinto</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
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<tr>
<td>Elsinore</td>
<td>4,500</td>
<td>4,500</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bedford-Coldwater</td>
<td>0</td>
<td>0</td>
<td>4,500</td>
<td>4,500</td>
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<tr>
<td>Orange County</td>
<td>0</td>
<td>36,000</td>
<td>36,000</td>
<td>42,000</td>
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<tr>
<td>Riverside-Arlington</td>
<td>0</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>180,000</strong></td>
<td><strong>180,000</strong></td>
<td><strong>130,000</strong></td>
<td><strong>150,000</strong></td>
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## Options for Additional Storage

<table>
<thead>
<tr>
<th>Option</th>
<th>Basin</th>
<th>Storage Amount (AF)</th>
<th>Facilities Needed</th>
</tr>
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<tbody>
<tr>
<td>1 – MV/CV/JCSD (in-lieu or desalter) (IEUA)</td>
<td>Chino Basin</td>
<td>14,000</td>
<td>MV/CV/JCSD – wellhead treatment</td>
</tr>
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<td>2 – JCSD (desalter) (WMWD)</td>
<td>Chino Basin</td>
<td>7,000 - 14,000</td>
<td>JCSD – wellhead treatment</td>
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<tr>
<td>3 – JCSD (desalter) (WMWD)</td>
<td>Chino Basin</td>
<td>7,000</td>
<td>JCSD – wellhead treatment</td>
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<tr>
<td>4 – Increase OCWD</td>
<td>Orange County</td>
<td>6,000 - 14,000</td>
<td>1 – 3 new wells</td>
</tr>
<tr>
<td>5 – Increase Riverside (WMWD)</td>
<td>Riverside</td>
<td>7,000 – 22,000</td>
<td>WR23 &amp; wells</td>
</tr>
<tr>
<td>6 – CVWD/JCSD (WMWD)</td>
<td>Chino (to WMWD)</td>
<td>(not additional, same as prior)</td>
<td>Etiwanda Pipeline</td>
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<tr>
<td>7 – Central Valley (IRWD)</td>
<td>Central Valley</td>
<td>TBD</td>
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<td>8 – Lakeview Subbasin (EMWD)</td>
<td>Lakeview</td>
<td>TBD</td>
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Storage Locations by Basin

Initial Storage Locations
Total = 180,000 AF

December Storage Locations
Total = 150,000 AF
Purchase Commitments by Agency

Initial Purchase Commitment
Total Storage = 180,000 AF

Revised Purchase Commitment
Total Storage = 150,000 AF
Comparison to Surface Storage Projects
### SARCCUP Schedule Roll-Up (By Agency) – Storage Options 2, 4 & 5

<table>
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<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
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<tr>
<td><strong>Grant Contract</strong></td>
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<tr>
<td><strong>Decision Support Model</strong></td>
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<td>Aug.</td>
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<td><strong>Joint CEQA</strong></td>
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<td><strong>San Jacinto CEQA</strong></td>
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<td><strong>Key Agreements:</strong></td>
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<tr>
<td><strong>San Jacinto Watermaster</strong></td>
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<td>May</td>
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<td><strong>MWDS/MBMWD and MWDS/EMWD/WMWD/OCWD</strong></td>
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<td>Apr</td>
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<td><strong>DWR Grant Amendment</strong></td>
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<td><strong>SARCCUP Capital Funding</strong></td>
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<td><strong>Sub-Grantee (5)</strong></td>
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<td><strong>SARCCUP Operating</strong></td>
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<td><strong>Projects:</strong></td>
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<tr>
<td><strong>SAWPA:</strong> Implementation - Smartscape and Conservation-Based Rates</td>
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<td><strong>IEUA:</strong> Planning/CEQA</td>
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<td><strong>EMWD:</strong> Planning/Permits/Design</td>
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<td><strong>OCWD:</strong> Arundo Removal Study/Permits/Design</td>
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<td><strong>OCWD:</strong> New Well(s) CEQA, Design, Construction</td>
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<td><strong>SBMVMD:</strong> Design/Bio Surveys/Agency Review/Engineering</td>
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<td><strong>WMWD:</strong> Construction – Sterling, La Sierra, Elsinore Wells</td>
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<td>Well Drilling, Cannon-Campbell, CRA Crossing, WR 23</td>
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**Reporting extends through 2022**

**Construction Deadline Sept. 2021**
Santa Ana River Conservation and Conjunctive Use Program – Project Schedule Updates

Presenter: Brian Dietrick, Woodard & Curran

December 4, 2018
### SARCCUP Schedule Roll-Up (By Agency) – DWR Amendment

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<th>2017</th>
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<tr>
<td><strong>San Jacinto Watermaster</strong></td>
<td>Mar.</td>
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<td><strong>MWDSC/SBVMWD and MWDSC/SARCCUP Agencies</strong></td>
<td>Mar.</td>
<td>Dec.</td>
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<tr>
<td><strong>SARCCUP Capital Funding</strong></td>
<td>Dec.</td>
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<tr>
<td><strong>Sub-Grantee (5)</strong></td>
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<td>Mar.</td>
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<td><strong>SAWPA:</strong> Implementation – Smartscape and Conservation-Based Rates</td>
<td></td>
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</tr>
<tr>
<td><strong>IEUA:</strong> Planning/Design</td>
<td></td>
<td></td>
<td>Construction – Water Bank</td>
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</tr>
<tr>
<td><strong>EMWD:</strong> Planning/Permits/Design</td>
<td></td>
<td></td>
<td>Construction – Water Bank</td>
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</tr>
<tr>
<td><strong>OCWD:</strong> Arundo Removal Study/Permits/Design</td>
<td></td>
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<td>Construction – Arundo Removal</td>
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<tr>
<td><strong>SBVMWD:</strong> Design/Bio Surveys/Agency Review/Engineering</td>
<td></td>
<td></td>
<td>Construction - Habitat</td>
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<tr>
<td><strong>WMWD:</strong> Construction – Sterling, La Sierra, Elsinore Wells</td>
<td></td>
<td>Well Drilling, Cannon-Campbell, CRA Crossing</td>
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Reporting extends through 2022

Construction Deadline Sept. 2021

10-09-18
# SARCCUP Schedule Roll-Up (By Agency) – Storage Options 2, 4 & 5

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td></td>
<td>San Jacinto CEQA</td>
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<tr>
<td><strong>Key Agreements:</strong></td>
<td>San Jacinto Watermaster</td>
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<td>Habitat CEQA</td>
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<td>MWDSC/SBVMWD and MWDSC/EMWD/WMWD/OCWD</td>
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<td></td>
<td>DWR Grant Amendment</td>
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<td>SARCCUP Capital Funding</td>
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<td>Sub-Grantee (5)</td>
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<td>June</td>
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<td>SARCCUP Operating</td>
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<td></td>
<td>Dec.</td>
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</table>

**Projects:**

- **SAWPA:** Implementation – Smartscape and Conservation-Based Rates
- **IEUA:** Planning/CEQA
- **EMWD:** Planning/Permits/Design
- **OCWD:** Arundo Removal Study/Permits/Design
- **SBVMWD:** Design/Bio Surveys/Agency Review/Engineering
- **WMWD:** Construction – Sterling, La Sierra, Elsinore Wells

**OCWD:** New Well(s) CEQA, Design, Construction

**Construction Deadline:** Sept. 2021

**Reporting extends through 2022**

**Construction Deadline:** Sept. 2021

**10-09-18**
Detailed Schedules by Agency – DWR Amendment Versions
### Key Agreements and Grant Deliverables:

- **SAWPA-OCCK Sub-Agreement**
- **State-SAWPA Grant Agreement Amendment**
- **Project Monitoring Plans**
- **Retail Agency Sub-Agreements for Water Rates**
- **Conservation Rates - Outreach**
- **Conservation Rates - Implementation**
- **OCCK Smartscape - Implementation**

### SAWPA Water Use Efficiency Project

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td>Grant Contract</td>
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<tr>
<td>Program Management</td>
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<tr>
<td>Quarterly Reporting</td>
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</tbody>
</table>

**Construction Deadline:** Sept. 2021

**Reporting extends through 2022**
Grant Contract

EMWD Conjunctive Use Project
SAWPA-EMWD Sub-Agreement
EMWD San Jacinto WM Agreement
Right-of-Way Acquisition
San Jacinto CEQA

Permitting

Design
Mt. Ave – Prelim.
Drilling – Prelim.
Equipping – Prelim.
Mt. Ave - Final

Construction
Well Drilling
Mountain Avenue West
Well Equipping

Reporting extends through 2022
Construction Deadline Sept. 2021

2017 2018 2019 2020 2021
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>2017</td>
<td>Grant Contract</td>
</tr>
<tr>
<td>2018</td>
<td>OCWD Arundo Removal Project</td>
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<tr>
<td>2019</td>
<td>SAWPA-OCWD Sub-Agreement</td>
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<tr>
<td>2019</td>
<td>Joint CEQA</td>
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<tr>
<td>2019</td>
<td>Arundo Removal Study</td>
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<tr>
<td>2019</td>
<td>Permitting</td>
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<tr>
<td>2019</td>
<td>Design</td>
</tr>
<tr>
<td>2020</td>
<td>Construction</td>
</tr>
<tr>
<td>2021</td>
<td>Reporting extends through 2022</td>
</tr>
</tbody>
</table>

- Construction Deadline: Sept. 2021
SBVMWD Habitat Restoration Project

- Grant Contract
- SAWPA-SBVMWD Sub-Agreement

2017
- SBVMWD Habitat Restoration Project

2018
- Establish Mitigation Bank
- Restoration Integrated Design/Planning/Bio Surveys
- Wildlife Agency Design Review
- Habitat Permits/CEQA

2019
- Final Engineering/Construction Package
- Construction – SA Sucker Habitat
- float

2020

2021
- Construction Deadline Sept. 2021
- Reporting extends through 2022

2022
2017  2018  2019  2020  2021

Grant Contract

WMWD Conjunctive Use Project

WMWD-EVMWD Agreement
SAWPA-WMWD Sub-Agreement
SARCCUP Capital Funding Agreement
Land Purchase
Joint CEQA
Permitting

Design

Drilling – Prelim.
Drilling - Final
Equipping – Prelim.
Equipping - Final

Elsinore Basin - Wells
La Sierra Pipeline/Sterling Pump Station
Riverside Basin – Wells/Cannon Campbell Pump Station/Colorado River Aqueduct (PS/CRA) Crossing

Construction

Sterling Pump Station

Well Drilling
Well Equipping

Elsinore Basin - Wells
La Sierra Pipeline/Sterling PS

Non-SARCCUP CEQA

Riverside Basin – Wells/Cannon Campbell PS/ CRA Crossing

Construction Deadline: Sept. 2021
Reporting extends through 2022

(PS/CRA)
SARCCUP Implementation
Joint CEQA Document
Sterling Pump Station

Site flyover taken on 10/3/2018

Pouring reservoir concrete foundation 10/16/2018
Sterling Pump Station

Patching Holes in Concrete Encasements Around Pump Cans
7/9/2018

Installation of rebar for pump station
10/18/2018
La Sierra Pipeline

- Setting Joints 264 and 265 after Welding
- Joint 286 Interior Lining
- Welding of Pipe Joint 289
- Grouted Joint at Pipe Joint 287
- Compacting Base with Vibratory Roller
- Checking Grade of Class 2 Base
- Testing Class 2 Base Compaction
- Compacting Base Pavement
- Root Barrier Installation
- PVC Pipe Installation
- Trench Excavation and Zone Material Placement
- Trench Backfill Compaction