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

Committee Members:
Kati Parker, Chair, Inland Empire Utilities Agency Governing Board
Brenda Dennstedt, Vice Chair, Western Municipal Water District Governing Board
Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

TUESDAY, OCTOBER 1, 2019 – 8:30 A.M.

1. CALL TO ORDER (Kati Parker, 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.

3. APPROVAL OF MEETING MINUTES: June 4, 2019 .................................................................5
Recommendation: Approve as posted.

4. COMMITTEE DISCUSSION ITEMS
A. DWR GRANT AGREEMENT AMENDMENT NO. 2 (PA23#2019.4) ...........................................9
Presenter: SAWPA | Ian Achimore
Recommendation: Approve the following: (1) Removal of the Colorado River Aqueduct Crossing (CRA) and Jurupa Community Services District (JCSD) Well from the SARCCUP Scope of Work and moving $5 Million in grant funding from the CRA/JCSD projects to the Riverside-Arlington Wells/Pipeline and Canon Pump Station; (2) Increasing the length of the schedule from September 2021 to 2024; (3) Receive and file the update on the Orange County Water District wells and potential wellhead treatment; and (4) Follow up with the Committee on a final amendment package.

5. INFORMATIONAL REPORTS
Recommendation: Receive and file the following oral/written reports/updates.
A. SARCCUP DETAILED SCHEDULE ..............................................................................................19
Presenter: Woodard & Curran
B. SAWPA SUB-AGREEMENT STATUS UPDATES
   Presenter: SAWPA

C. METROPOLITAN WATER DISTRICT OPERATING AGREEMENT TERM SHEET AND SARCCUP OPERATIONAL SCENARIOS
   Presenter: EMWD

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 Wednesday, September 25, 2019, 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
### 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>Month</th>
<th>Date</th>
<th>Description</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>2/5/19</td>
<td>Regular Committee Meeting</td>
<td>4/2/19</td>
<td>Regular Committee Meeting [cancelled]</td>
</tr>
<tr>
<td>June</td>
<td>6/4/19</td>
<td>Regular Committee Meeting</td>
<td>8/6/19</td>
<td>Regular Committee Meeting [cancelled]</td>
</tr>
<tr>
<td>October</td>
<td>10/1/19</td>
<td>Regular Committee Meeting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2020 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>Month</th>
<th>Date</th>
<th>Description</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>2/4/20</td>
<td>Regular Committee Meeting</td>
<td>4/7/20</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>June</td>
<td>6/2/20</td>
<td>Regular Committee Meeting</td>
<td>8/4/20</td>
<td>Regular Committee Meeting</td>
</tr>
<tr>
<td>October</td>
<td>10/6/20</td>
<td>Regular Committee Meeting</td>
<td>12/1/20</td>
<td>Regular Committee Meeting'</td>
</tr>
</tbody>
</table>
COMMITTEE MEMBERS PRESENT
   Kati Parker, Chair, Inland Empire Utilities Agency Board Governing Board (8:39 a.m.)
   Brenda Dennstedt, Vice Chair, Western Municipal Water District Board Governing Board
   Paul D. Jones, Eastern Municipal Water District General Manager
   Michael Markus, Orange County Water District General Manager
   Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]
   None.

COMMITTEE MEMBERS ABSENT
   None.

MEMBER AGENCY STAFF PRESENT
   Eastern Municipal Water District
      Brian Powell
      Leighanne Kirk
   Inland Empire Utilities Agency
      Jason Pivovaroff
      Joshua Aguilar
   San Bernardino Valley Municipal Water District
      Bob Tincher
      Tim Kellett
   Inland Empire Utilities Agency
      Craig Miller
      Ryan Shaw
   Western Municipal Water District
   Orange County Water District
      Adam Hutchinson
      Kelly Rowe
   Santa Ana Watershed Project Authority
      Rich Haller
      Mark Norton
      Karen Williams
      Larry McKenney
      Dean Unger
      Ian Achimore
      Kelly Berry

OTHERS PRESENT
   Woodard & Curran: Brian Dietrick

1. CALL TO ORDER
   The regular meeting of the PA 23 Committee was called to order at 8:33 a.m. by Vice Chair
   Dennstedt 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: April 2, 2019**

MOVED, approve the April 2, 2019 meeting minutes.

Result: Adopted (Passed)

Motion/Second: Jones/Markus

Ayes: Dennstedt, Jones, Markus

Nays: None

Abstentions: Longville

Absent: Parker

4. **COMMITTEE DISCUSSION ITEMS**

   A. **WOODARD & CURRAN TASK ORDER (PA23#2019.3)**

   Ian Achimore provided the PowerPoint presentation contained in the agenda packet on pages 9 – 17 outlining the SARCCUP Project Management Services including funding status and proposed Task Order No. 4 for Fiscal Year ending 2020. Mr. Achimore noted that the annual Woodard & Curran invoiced amount continues to be under budget.

   Chair Parker arrived at 8:39 a.m. during the discussion of Agenda Item No. 4.A. and chaired the meeting at this point.

   MOVED, authorize the approval of Task Order No. 4 in the amount not-to-exceed $229,046 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).

   Result: Adopted (Unanimously)

   Motion/Second: Longville/Dennstedt

   Ayes: Dennstedt, Jones, Longville, Markus, Parker

   Nays: None

   Abstentions: None

   Absent: None

5. **INFORMATIONAL REPORTS**

   A. **SARCCUP DETAILED SCHEDULE**

   Brian Dietrick, Woodard & Curran outlined the SARCCUP detailed schedule contained in the agenda packet on pages 31 – 38. A discussion ensued about project completion by the September 2021 deadline. Ian Achimore stated DWR has been advised the September 2021 deadline will not be met by all projects, and DWR has requested that the timeline extension be addressed in Amendment No. 2. DWR has requested a revised timeline submitted with Amendment No. 2. Committee Member Jones asked about DWR’s reaction to the change in the water bank quantities and alternative banking locations proposed; Achimore noted they were acceptable to DWR. Committee Member Jones requested a revised timeline for current projects at the next committee meeting.

   This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.A.
B. **DWR GRANT AGREEMENT AND SAWPA SUB-GRANTEE AGREEMENT UPDATES**

Mark Norton provided an oral update on the DWR Grant Agreement and SAWPA Sub-Grantee Agreement, noting that Amendment No. 2 will require amending the sub-grantee agreements. It is anticipated that Amendment No. 2 will be submitted to DWR in approximately six weeks, with anticipated approval during the first quarter of 2020. There was no discussion.

This item was for informational purposes; no action was taken on Agenda Item No. 5.B.

C. **METROPOLITAN WATER DISTRICT OPERATING AGREEMENT TERM SHEET AND SARCCUP OPERATIONAL SCENARIOS**

Brian Powell, EMWD, provided the PowerPoint presentation contained in the agenda packet on pages 39 – 57. Mr. Powell noted he recently gave this presentation to the Metropolitan Water District (MWD) and received positive feedback. Upon receipt of final comments from MWD, the Operational Term Sheet (Term Sheet) contained on pages 63 – 65 of the agenda packet will be finalized and staff will begin working on an agreement.

Committee Member Longville requested emphasis that the Take Scenarios are always dry year yield, which is different from anything else and should be clearly noted. Mr. Powell agreed the Put Scenarios would likely occur during wet years and the Take Scenarios would occur during dry years.

Mr. Powell stated a SARCCUP Operating & Finance Committee (Committee) would be formed prior to project operations. Committee members would be representatives from SARCCUP Member Agencies. The purpose of the Committee would include coordinating purchases, delivery and extractions of water for water banking facilities; tracking transactions; management and oversight of related activities such as financial and operational models; and, preparation of annual and other reports.

Staff will next receive input from MWD on the draft Term Sheet and obtain final concurrence, then prepare a draft MWD-SARCCUP Agreement (based on the Term Sheet) and circulate the agreement for review, followed by Valley-MWD Agreement approval by the MWD Board and administratively execute the MWD-SARCCUP Agreement.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.C.

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

There were no requests for future agenda items.

7. **ADJOURNMENT**

There being no further business for review, Chair Parker adjourned the meeting at 9:12 a.m.
Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, October 1, 2019.

________________________________
Kati Parker, Chair

Attest:

________________________________
Kelly Berry, CMC
Clerk of the Board
PA 23 COMMITTEE MEMORANDUM NO. 2019.4

DATE: October 1, 2019

TO: SAWPA Project Agreement 23 Committee

SUBJECT: DWR Grant Agreement Amendment No. 2

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

Approve the following:

A. Removal of the Colorado River Aqueduct Crossing (CRA) and Jurupa Community Services District (JCSD) Well from the SARCCUP Scope of Work and moving $5 Million in grant funding from the CRA/JCSD projects to the Riverside-Arlington Wells/Pipeline and Cannon Pump Station;
B. Increasing the length of the schedule from September 2021 to 2024;
C. Receive and file the update on the Orange County Water District wells and potential wellhead treatment; and
D. Follow up with the Committee on a final amendment package.

DISCUSSION

Since the April PA 23 Committee meeting, the SARCCUP Project Proponents (i.e. SAWPA member agencies) have updates related to the JCSD well, CRA Crossing and OCWD wells.

CRA Crossing Update

The purpose of the CRA crossing near Lake Matthews, a WMWD lead SARCCUP project, is to ensure purchased imported water is utilized for the most economical use. Currently, WMWD provides imported water to irrigators in the southern end of their service area. The CRA Crossing would allow the conveyance of recycled and non-potable groundwater to be delivered to irrigators. This would then create potential wet-year supplemental water supply for SARCCUP, as banked groundwater. Since the CRA Crossing is still in planning phase and the Riverside-Arlington wells and Cannon Pump Station (in the SARCCUP scope) are further along, SARCCUP is prioritizing the latter two for construction. These two projects will have the additional benefit of expanding the well field depth in Arlington-Riverside Basin and allowing for SARCCUP banked water (within Riverside and/or San Bernardino Basins) to be received by WMWD.

In order to ensure the maximum benefit from these two projects, it is recommended that the approximately $5 Million in SARCCUP grant funding, shared by the CRA Crossing and JCSD Well (described below) be transferred in half to the two projects. The additional funding will support the construction of the Arlington-Riverside Well project including increasing the length of the transmission pipeline that will connect the wellfield to the Arlington Desalter. Increasing the pipeline will allow for the Riverside-Arlington wells to be constructed and operated within a deeper part of the Riverside-Arlington Basin. The transferred funding will also support the construction of a chemical facility at the site of the Cannon Pump Station and additional pipeline modifications near WMWD’s Mills Gravity Line (MGL). The pipeline modifications will allow a portion of the project to flow bidirectional, allowing for SARCCUP banked water (within the Riverside and/or San Bernardino Basins) to be received by WMWD and also allowing for the City of Riverside to receive in-lieu supplemental water from SARCCUP via a
Metropolitan Water District transfer. The chemical facility is needed to allow for these agencies to transfer water supplies, as they are currently disinfected with different chemicals. These modifications will increase the overall capacity of delivering wet-year supplemental water and dry-year yield for the Riverside-Arlington Basin.

**JCSD Well Update**

The SARCCUP project proponents worked extensively with JCSD, a retail water agency with water rights in the Chino Basin to identify a potential partnership. As a result of these discussions, JCSD has agreed to partner with SARCCUP and has submitted a storage application for 7,000 AF in the Chino Basin. Due to the timing and potential uncertainty of the approval by the Chino Basin Watermaster, as discussed at the last PA 23 meeting, a range for storage is included in the PA 23 approved water bank allocation as shown below.

![Table 1: SARCCUP Groundwater Basins](image)

The well in the JCSD service area is proposed to be removed from the scope of work as the 7,000 AF can be provided to WMWD as an in-lieu transfer of banked groundwater for imported water through existing facilities. As the well is no longer needed, the $5 million in funding that was shared between the CRA Crossing and JCSD well is recommended to be transferred to the Riverside-Arlington wells and Cannon Pump Station as described above.

**OCWD Well Update**

Per the PA 23 Committee’s approval, OCWD is utilizing an additional $8 Million from the grant to fund construction of wells in their basin. OCWD has begun an initial partnership with five retail water agencies in their service area to be the lead for the well construction and maintenance. Due to expected water quality regulations for certain Per- and Polyfluoroalkyl Substances (PFAS), such as Perfluorooctanoic acid (PFOA) and Perfluorooctane sulfonate (PFOS), potential well sites the retailers were planning to use may not be available. OCWD is working with their retailers to develop a list of potential well sites that won’t likely have PFAS as well as develop a plan for wellhead treatment to remove PFAS after pumping. OCWD will be able to provide the PA 23 Committee an update, or final recommendation, at the December 3 Committee meeting.

1 Orange County Water District is able to commit to increasing the Orange County groundwater basin SARCCUP storage from 36,000 AF to 42,000 AF if the joint WMWD and JCSD storage application is denied. This commitment by OCWD ensures that the SARCCUP Project can maximize its storage of imported wet-year water in the watershed.
Schedule Change
SAWPA has met with the Department of Water Resources after the PA 23 Committee approved several changes to the SARCCUP Project at their April meeting. DWR requested that if SARCCUP anticipates changes now, the Project should include them in Amendment No. 2. Due to limited resources, DWR is restricted in their ability to process future amendments.

As shown in the Detailed Schedule, it is estimated that several of the projects have longer timelines, such as the wellhead treatment if it is included in the ultimate project. The additional time helps all projects by including a contingency period for construction. For this reason, the SARCCUP project proponents are requesting approval to request an approximately three-year extension from September 2021 to December 2024 for the grant. This increase in the schedule does require, if approved by the PA 23 Committee, further expenses in project and committee management, as described in the Resource Impacts section below.

BACKGROUND
SARCCUP was successful in receiving a $55M Proposition 84 IRWM grant through the One Water One Watershed (OWOW) Call for Projects in 2015. The Department of Water Resources executed a grant agreement with SAWPA, who manages the OWOW process, in November 2016. SAWPA is able to reimburse the SAWPA member agencies with DWR grant funding through the execution of sub-grantee agreements with each of the agencies.

SARCCUP includes three components: 1) habitat and ecosystem restoration, 2) water use efficiency, and 3) conjunctive use (water banking). The primary goal of the conjunctive use component 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.

If the recommended changes are approved, they would be incorporated into the second amendment to SARCCUP. The PA 23 Committee approved a first amendment to SARCCUP on December 5, 2017 which removed several conjunctive use facilities in the SBVMWD and WMWD service areas and replaced them with facilities in the WMWD and IEUA service areas.

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

RESOURCE IMPACTS
It is estimated that the additional three years will cost approximately $706,000 to manage. The estimates for SAWPA time, to manage the Woodard and Curran Contract and administer the PA 23 Committee, and Woodard and Curran’s estimated contract, is included in the table below.

| SAWPA (Project Committee and Contract Administration) | $196,925 |
| Woodard and Curran | $509,280 |
| **Total** | **$706,205** |
| Per Agency (Divide by Five) | $141,241 |

Attachment:
1. PowerPoint Presentation
SARCCUP: DWR Grant Agreement Amendment No. 2
Project Agreement 23 Committee
October 1, 2019

Overview of Presentation

A. Quick Background on SARCCUP
B. Past Decisions and Discussions with PA 23 Committee
C. Recent Changes to SARCCUP Conjunctive Use Project
D. Updated Facilities, schedule and Grant Funding Allocation for DWR Amendment
Quick Background on SARCCUP

- Received $55M grant through OWOW process from Department of Water Resources for various benefits including:
  - Water Bank (Conjunctive Use)
  - Sucker Fish and Arundo Donax weed
  - Water Use Efficiency

- SAWPA has grant agreement with DWR to pass funding through to SAWPA member agencies
  - SAWPA also implements water use efficiency, project/committee management.

PA 23 Committee Discussions

- November 2016: Grant Agreement Adopted
- December 2017: DWR Grant Agreement Amendment No. 1 approved by PA 23 Committee
- December 2018: PA 23 Committee updated on Chino Basin not able to dedicate 50,000 AF storage for SARCCUP
- April 2019: PA 23 Committee approved changes to facilities and project’s water bank size
SARCCUP Groundwater Banks

<table>
<thead>
<tr>
<th>Groundwater Basin</th>
<th>Scenario 1: WMWD/JCSD Storage Granted</th>
<th>Scenario 2: WMWD/JCSD Storage Denied</th>
<th>Total Storage (AF) (Approximate Amounts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chino</td>
<td>7,000</td>
<td>0</td>
<td>0 to 7,000</td>
</tr>
<tr>
<td>Elsinore</td>
<td>4,500</td>
<td>4,500</td>
<td>4,500</td>
</tr>
<tr>
<td>Orange County</td>
<td>36,000</td>
<td>42,000</td>
<td>36,000 to 42,000</td>
</tr>
<tr>
<td>Riverside-Arlington</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>64,000</td>
<td>64,000</td>
<td>64,000</td>
</tr>
<tr>
<td>San Jacinto</td>
<td>19,500</td>
<td>19,500</td>
<td>19,500</td>
</tr>
<tr>
<td>TOTAL</td>
<td>137,000</td>
<td>136,000</td>
<td>136,000 to 137,000</td>
</tr>
</tbody>
</table>

Updates Since April Meeting

- WMWD Service Area
  - Jurupa Community Services District
  - Colorado River Aqueduct Crossing

- OCWD Service Area
  - Five wells (Previously approved by PA 23)
Jurupa Community Services District (JCSD) Update

- JCSD submitted storage application on WMWD’s behalf for 7,000 AF in the Chino Basin.
- No facilities needed to extract (or bank) SARCCUP water in Chino Basin
  - 7,000 AF can be provided to WMWD as an in-lieu transfer of banked groundwater for imported water.
  - JCSD has enough well capacity to extract additional groundwater.
- With no added facilities (such as a well), Proposition 84 grant funding is not provided to JCSD via WMWD.

Colorado River Aqueduct (CRA) Crossing Update

- The purpose of the CRA Crossing, near Lake Matthews, was to reduce imported water demand in dry years.
- Proposing to remove CRA Crossing, a facility included in the SARCCUP grant agreement scope of work.
  - Grant funding for the CRA Crossing was set aside for JCSD, so the project has not moved forward to date and would likely not be completed under the grant schedule.
  - Performance requirements will remain the same.
Arlington-Riverside Basin Update

- Will increase the length of the transmission pipeline for the Riverside-Arlington groundwater basin.
- Increasing the pipeline will allow for the Riverside-Arlington wells (already included in the scope of work) to be constructed and operated within a deeper part of the Riverside-Arlington Basin.
- The transmission pipeline is further along in development than the CRA.

Cannon Pump Station Update

- Cannon Pump Station to include a chemical facility at the site of the pump station and perform pipeline modifications near Western’s Mills Gravity Line (MGL).
- Modifications will allow a portion of the project to flow bidirectional.
- Allowing for SARCCUP banked water (within the Riverside and/or San Bernardino Basins) to be received by Western and also allowing for the City of Riverside (RPU) to receive in-lieu supplemental water from SARCCUP via a Metropolitan Water District transfer.
OC Wells Update

- OCWD selected five Groundwater Producers to construct five new wells (previously approved by PA 23 Committee).
  - The wells will be used to increase production during dry years to extract SARCCUP water banked in OCWD basin.
- Expected PFOA response level (likely 10 parts per trillion) causing delay.
- OCWD working with retailers to develop well treatment program.
- Recommendation/update for OCWD portion of SARCCUP to be provided to Committee on December 3.

SARCCUP Schedule Increase

- DWR requested that if SARCCUP anticipates changes now, include them in Amendment No. 2.
  - Helps all projects by including a contingency period for construction (currently little to no buffer for some construction).
- Requesting three-year extension to September 2024.
- Increase in schedule requires additional project management by SAWPA and Woodard and Curran (W&C).
- SAWPA Costs to date: $196,000 over three years.
  - Three additional years would cost another approximately $196,000 ($39,200 per agency).
Overview of All PA 23 Updates

<table>
<thead>
<tr>
<th>Update Item</th>
<th>Basin</th>
<th>SARCCUP Grant Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jurupa Community Services District Well Removal</td>
<td>Chino Basin</td>
<td>~$5 Million</td>
</tr>
<tr>
<td>CRA Crossing Removal</td>
<td>Riverside-Arlington</td>
<td>~$2.5 Million</td>
</tr>
<tr>
<td>Riverside-Arlington Wells/Pipeline</td>
<td>Riverside-Arlington</td>
<td>~$2.5 Million</td>
</tr>
<tr>
<td>Cannon Pump Station</td>
<td>Riverside-Arlington</td>
<td>~$2.5 Million</td>
</tr>
<tr>
<td>Orange County Wells and Potential Wellhead Treatment (Pending)</td>
<td>Orange County</td>
<td>$8 Million</td>
</tr>
</tbody>
</table>

Recommendation

Approve:
- Removal of the CRA Crossing and JCSD Well from the SARCCUP Scope of Work and moving $5 Million in grant funding from the CRA/JCSD projects to the Riverside-Arlington Wells/Pipeline and Canon Pump Station;
- Increasing the length of the schedule from September 2021 to 2024;
- Receive and file the update on the Orange County Water District wells and potential wellhead treatment; and
- Follow up with the Committee on a final amendment package.
Santa Ana River Conservation and Conjunctive Use Program – Project Schedule Updates

**Presenter:**
Brian Dietrick, Woodard & Curran

**October 1, 2019**

<table>
<thead>
<tr>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Contract</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master Plan - Decision Support Model</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joint CEQA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Jacinto CEQA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key Agreements:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Habitat CEQA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Jacinto Watermaster</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MWD Operating Agreements (2)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DWR Grant Amendment No. 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub-Grantee Agreements (5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAWPA: Implementation – Smartscape and Water Budgets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projects:</td>
<td>SAWPA: Implementation – Smartscape and Water Budgets</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMWD: Planning/Permits/Design</td>
<td>Construction – Water Bank</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCWD: Arundo Removal Study/Permits/Design</td>
<td></td>
<td></td>
<td>Construction – Arundo Removal</td>
<td></td>
</tr>
<tr>
<td>SBVMWD: Design/Bio Surveys/Agency Review/Engineering</td>
<td></td>
<td></td>
<td>Construction – OC Wells/Wellhead Treatment</td>
<td></td>
</tr>
<tr>
<td>WMWD: Planning/Design/Well Siting/Permits</td>
<td></td>
<td>Construction – Sterling, La Sierra Pipeline</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Agreement 1 between: MWDOC and SBVMWD, Agreement 2 between: MWDSC and EMWD/WMWD/IEUA/MWDOC</td>
<td></td>
<td>Construction: Elsinore Wells, Riverside-Arlington Wells, Cannon PS, Transmission, Disinfect</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Current Deadline: Sept. 2021*
EMWD Project Update
EMWD Project Update

Well 201 - Photo Shows Well Head, Equipping Phase Next

Well 201 - Drilling Complete, Photo Shows Test Pump Being Installed

EMWD Project Update – Wells 201, 202 & 203
EMWD Project Update – Wells 201, 202 & 203

Well 202 – Grading Complete, Photo Shows Well Head, Equipping Phase Next

Well 202 – Drilling Complete, Photo Shows Casing Being Installed

Well 203 – Photo Shows Well Reaming

Well 203 – Photo Shows Pump Development
EMWD Project Update – Mountain Avenue West

OCWD Project Update – Arundo Removal
Prado Basin and Upstream Project Areas – Acreage of Arundo to be Treated

OCWD Project Update – Arundo Removal
OCWD Project Update – Arundo Removal

OCWD Project Update – Arundo Removal

15

16
<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Contract</td>
<td></td>
<td>Grant Extension (3 years)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quarterly Reporting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key Agreements and Grant Deliverables:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amendment No. 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Monitoring Plans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAWPA Water Use Efficiency Project</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Budgets - Outreach</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Budgets - Implementation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Current Construction Deadline: Sept. 2021

NEW Construction Deadline: Sept. 2024

9/19/2019

NEW Construction Deadline: Sept. 2024

9/25/2019
<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Contract</td>
<td>Grant Extension (3 years)</td>
<td>Grant Contract</td>
<td>Grant Extension (3 years)</td>
<td></td>
</tr>
<tr>
<td><strong>EMWD Conjunctive Use Project</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mountain Avenue West</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well Equipping, Discharge Pipelines</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Contract</td>
<td>Grant Extension (3 years)</td>
<td>Grant Contract</td>
<td>Grant Extension (3 years)</td>
<td></td>
</tr>
<tr>
<td><strong>OCWD Arundo Removal Project</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction – Arundo Removal</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Construction – OC Wells/Wellhead Treatment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>