SARCCUP Project Management Services - Consultant Support

Ian Achimore, Senior Watershed Manager

PA 23 Committee | June 2, 2020

Item No. 4.A.
Brief Overview of SARCCUP

- Five-year timeline in original Grant Agreement
  - PA 23 approved schedule increase from September 2021 to 2023 (total of 7.25 years).
- Timeline includes task completion for
  - Conjunctive use modeling,
  - Land acquisition
  - Engineering,
  - CEQA and permitting,
  - Construction
- Five project proponents (SAWPA member agencies)
- Support services needed to assist in project management
Woodard and Curran (W&C) selected through a 2016 Request for Proposals (RFP) coordinated by SAWPA with member agencies.

Their proposal provided contract amounts per fiscal year:

<table>
<thead>
<tr>
<th>Task Order No.</th>
<th>Fiscal Year Ending</th>
<th>W&amp;C 2016 RFP Proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2017</td>
<td>$310,429</td>
</tr>
<tr>
<td>2</td>
<td>2018</td>
<td>$260,515</td>
</tr>
<tr>
<td>3</td>
<td>2019</td>
<td>$240,927</td>
</tr>
<tr>
<td>4</td>
<td>2020</td>
<td>$257,114</td>
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<td>5</td>
<td>2021</td>
<td>$215,505</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$1,284,490</td>
</tr>
</tbody>
</table>
W&C’s Ongoing SARCCUP Project Management

Scope Includes:

- Web-based database to track and compile quarterly progress reports and invoices that are required by the Grant Agreement,
- Develop a grant-required project monitoring plan,
- Lead bi-monthly coordination meetings,
- Coordinating edits to the grant agreement amendment.
- Facilitating finalization of the detailed SARCCUP budget.
## Status of Funding

<table>
<thead>
<tr>
<th>Task Order No.</th>
<th>Fiscal Year Ending</th>
<th>W&amp;C 2016 RFP Proposal</th>
<th>Invoiced As Of Feb 29, 2020</th>
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<td>$106,967</td>
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<td><strong>Total</strong></td>
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<td><strong>$1,284,490</strong></td>
<td><strong>$737,015</strong></td>
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</table>

- **Current Year**

- RFP Proposal Total Amount: $1,284,490
- Total Invoiced: $737,015
## Funding Going Forward

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<td>$260,515</td>
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<td>3</td>
<td>2019</td>
<td>$240,927</td>
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<td>7</td>
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<td>$200,000</td>
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<td>8</td>
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<td>$1,284,490</td>
<td>$500,000</td>
<td>$678,536</td>
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Major Activities for FYE 2021

- Woodard and Curran will make modifications to the SARCCUP grant deliverable database once the Department of Water Resources approves Amendment No. 2.
- W&C will coordinate the work of the Project Monitoring Plans that will have to be amended once DWR approves Amendment No. 2.
- W&C will track construction schedules as the SAWPA member agencies’ projects move into the implementation phase.
- W&C and the SARCCUP team will submit quarterly progress reports and invoices, which will have larger dollar amounts as we move into the construction phase.
Recommendation

It is recommended that the Committee authorize the approval of Task Order No. 5 in the amount not-to-exceed $225,005 with Woodard & Curran (formerly named RMC Water & Environment Inc.) for project management services to support SARCCUP.
SARCCUP Schedule

Brian Dietrick, Woodard & Curran
PA 23 Committee | June 2, 2020
Item No. 4.B.
<table>
<thead>
<tr>
<th>Year</th>
<th>Projects:</th>
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<tbody>
<tr>
<td>2021</td>
<td><strong>SAWPA:</strong> Implementation – Smartscape and Water Budgets</td>
</tr>
<tr>
<td>2020</td>
<td><strong>EMWD:</strong> Planning/Permits/Design</td>
</tr>
<tr>
<td>2020</td>
<td><strong>OCWD:</strong> Arundo Removal Study/Permits/Design</td>
</tr>
<tr>
<td>2020</td>
<td><strong>SBVMWD:</strong> Design/Bio Surveys/Agency Review/Engineering</td>
</tr>
<tr>
<td>2020</td>
<td><strong>WMWD:</strong> Planning/Design/Well Siting/Permits</td>
</tr>
<tr>
<td>2019</td>
<td><strong>Construction – Water Bank</strong></td>
</tr>
<tr>
<td>2019</td>
<td><strong>Construction – Arundo Removal</strong></td>
</tr>
<tr>
<td>2019</td>
<td><strong>Construction – OC Wells/Wellhead Treatment</strong></td>
</tr>
<tr>
<td>2019</td>
<td><strong>Construction Group 1</strong></td>
</tr>
<tr>
<td>2018</td>
<td><strong>Construction – Sterling, La Sierra Pipeline</strong></td>
</tr>
<tr>
<td>2017</td>
<td><strong>Construction: Elsinore Wells, Riverside-Arlington Wells, Cannon PS, Transmission, Disinfection</strong></td>
</tr>
</tbody>
</table>

**Key Agreements:**

- Master Plan - Decision Support Model
- Joint CEQA
- San Jacinto CEQA
- San Jacinto Watermaster
- Metropolitan Water District Agreements (2)
  - DWR Grant Amendment No. 1
  - DWR Amend. No. 2
- Sub-Grantee Agreements (5)
  - SARCCUP Agencies Operating Agreement (Between SBVMWD/OCWD/EMWD/WMWD/IEUA)

**Deadlines:**

- Sept. 2021
- Current Deadline Sept. 2021
- June PA-23 Mtg
Grant Contract

Key Agreements:

Projects:
- Master Plan - Decision Support Model
- San Jacinto CEQA
- San Jacinto Watermaster
- OCWD: Arundo Removal Study/Permits/Design
- SBVMWD: Design/Bio Surveys/Agency Review/Engineering
- Joint CEQA SARCCUP Agencies Operating Agreement (Between SBVMWD/OCWD/EMWD/WMWD/IEUA)
- EMWD: Planning/Permits/Design
- SAWPA: Implementation – Smartscape and Water Budgets
- Construction – Sterling, La Sierra Pipeline
- Habitat CEQA
- Sub-Grantee Agreements (5)
- Additional CEQA
- DWR Grant Amendment No. 1
- WMWD: Planning/Design/Well Siting/Permits
- SAWPA: Implementation – Smartscape and Water Budgets
- Construction: Elsinore Wells, Riverside-Arlington Wells, Cannon PS, Transmission, Disinfectio
- Construction – Arundo Removal
- Construction – OC Wells/Wellhead Treatment
- Construction – Water Bank

Agreement 1 between: MWDSC and SBVMWD; Agreement 2 between: MWDSC and EMWD/WMWD/IEUA/MWDOC

Current Deadline Sept. 2021

June PA-23 Mtg

Construction Group 1
<table>
<thead>
<tr>
<th>Year</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>WMWD: Planning/Design</td>
</tr>
<tr>
<td>2021</td>
<td>sbvmwd: Construction – Habitat (Groups 1 &amp; 2)</td>
</tr>
<tr>
<td>2022</td>
<td>OCWD: Construction – OC Wells/Treatment</td>
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<tr>
<td>2023</td>
<td>OCWD: Construction – Arundo Removal</td>
</tr>
<tr>
<td>2024</td>
<td>EMWD: Construction – Water Bank</td>
</tr>
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</table>

Key Agreements:
- MWD Agmts. (2)
- DWR Amend. No. 2

Current Deadline: Sept. 2021

Grant Contract

Grant Extension (2 years)
Key Agreements and Grant Deliverables:

- Amendment No. 2
- Project Monitoring Plans
- SAWPA Water Use Efficiency Project
  - Implementation
    - Water Use Efficiency Budget Assistance
    - OCCK Smartscape - Implementation
- Current Construction Deadline: Sept. 2021
- NEW Construction Deadline: Sept. 2023
EMWD Conjunctive Use Project

- Grant Contract
  - Current Construction Deadline: Sept. 2021
  - Grant Extension (2 years)
  - NEW Construction Deadline: Sept. 2023

- Construction
- Mountain Avenue West Recharge Fac.
- Well Equipping, Discharge Pipelines, Three Wells
<table>
<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Status</th>
<th>Construction Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>Grant Contract</td>
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<tr>
<td>2021</td>
<td>OCWD Arundo Removal Project</td>
<td>Current Construction Deadline</td>
<td>Sept. 2021</td>
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<td>2022</td>
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<tr>
<td>2023</td>
<td></td>
<td>Grant Extension (2 years)</td>
<td>NEW Construction Deadline Sept. 2023</td>
</tr>
<tr>
<td>2024</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **OCWD Arundo Removal Project**:
  - **Construction – Arundo Removal**: Current Construction Deadline Sept. 2021
  - **Construction – OC Wells/Wellhead Treatment**: NEW Construction Deadline Sept. 2023
SBVMWD Habitat Restoration Project

- Habitat Permits
- Establish Mitigation Bank
- Final Engineering/Construction Package
- Construction Group 1
- Contractor Maintenance Period - Group 1
- Construction Group 2
- Contractor Maintenance Period - Group 2

Current Construction Deadline Sept. 2023

NEW Construction Deadline Sept. 2023
WMWD Conjunctive Use Project

**Grant Concept**

**Land Purchase**

**Design**
- Equipping – Prelim
- Equipping - Final
- Riverside-Arlington Basin – Wells/Transmission, Cannon Campbell Pump Station & Disinfection

**Construction**
- Elsinore Basin - Well Drilling
- Elsinore Basin - Well Equipping
- Riverside-Arlington Basin – Wells/Transmission
- Riverside-Arlington Basin – Cannon Campbell PS & Disinfection

**Grant Extension (2 years)**

- NEW Construction Deadline Sept. 2023

**Current Construction Deadline Sept. 2021**
EMWD SARCCUP
Construction Progress
WMWD SARCCUP
Construction Progress
Sterling Pump Station and La Sierra Pipeline
Cannon Campbell Pump Station

**Western Municipal Water District**

**REQUEST FOR PROPOSAL:**

New Pump Station and Interconnection with Riverside Public Utilities (RPU)

**SUBMIT PROPOSAL TO:**

Western Municipal Water District
Attn: Ronald Palacios, P.E.
14405 Mandian Parkway
Riverside, CA 92518

<table>
<thead>
<tr>
<th>Event</th>
<th>Target Date</th>
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<tbody>
<tr>
<td>RFP Release Date</td>
<td>December 2019</td>
</tr>
<tr>
<td>Deadline to Submit Written Questions</td>
<td>December 2019</td>
</tr>
<tr>
<td>Proposal Deadline - Proposal Due BY 2:00 p.m.</td>
<td>January 2020</td>
</tr>
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Identification of Potential Well Sites in the Riverside Groundwater Basin

July 12, 2019

Riverside-Arlington Wells
Chino Basin Storage - JCSD

- Application filed and approved 11/21/19 by Chino Basin Watermaster
- 7,000 AF

### Form 2a - Application for Supplemental Water Recharge

<table>
<thead>
<tr>
<th>Person</th>
<th>Jurupa Community Services District</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact (individual)</td>
<td>Chris (last name not visible)</td>
</tr>
<tr>
<td>Street Address</td>
<td>11201 Hamal Street</td>
</tr>
<tr>
<td>City</td>
<td>Jurupa Valley</td>
</tr>
<tr>
<td>State</td>
<td>CA</td>
</tr>
<tr>
<td>Zip Code</td>
<td>91752</td>
</tr>
<tr>
<td>Telephone</td>
<td>951-727-3512</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:cberch@jcnsd.us">cberch@jcnsd.us</a></td>
</tr>
</tbody>
</table>

**Date Requested:** 01/11/19
**Date Approved:** 10/11/19

**Proposed Period of Time Covered by Recharge Application (mm/dd/yyyy to mm/dd/yyyy):**

| Requested Total Amount of Recharge | 7,000 |
| Over the Application Period (AF) | |

**Source(s) of Supply (check box and provide supporting information):**

- State Water Project
  - Colorado River Aqueduct
    - Local Supplemental (identify source and attach source)
      - Water quality characterization including TDS and TN; use as many sheets as necessary
      - Recycled Water (identify source and attach source water)
    - Quality characterization including TDS and TN; use as many sheets as necessary
  - Other (identify source and attach source water quality characterization including TDS and TN; use as many sheets as necessary)

**Method of Recharge (check box and provide supporting information):**

- Surface Spreading
  - Recharge Basin Name(s)
  - Expected Period of Recharge (mm/dd to mm/dd)
  - Depth to Water in Recharge Area (ft-bgs)
  - Water Quality in Recharge Area

- Injection
  - Well Names and Locations (attach well completion report if not on file with the Watermaster)
  - Expected Period of Recharge (mm/dd to mm/dd)
  - Depth to Water in Recharge Area (ft-bgs)
  - Water Quality in Recharge Area (attach characterization)
SBVMWD SARCCUP Project Implementation Progress
Tributary Restoration Projects

- Phased Implementation:
  - Phase 1: Hidden Valley and Anza Creeks
    - 60% Designs
    - Est. Start of Construction: Fall 2020
  - Phase 2: Lower Hole and Old Ranch Creeks
    - 30% Designs
    - Est. Start of Construction: Fall 2021
  - Seed and propagule collection for the purpose of propagating plants for restoration has begun

- Recent Fires
  - The “46 Fire” on Oct 31, 2019: Burned portions of Old Ranch and Anza Creeks sites
  - Fire on Feb 1, 2020: Burned Old Ranch Creek
  - Other fires have burned portions of Lower Hole Creek
Anza Creek Site in need of restoration (Nov 29, 2018)

Old Ranch Creek Site after recent fire (Feb 2, 2020)
### Anza Creek Design Statistics

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>Constructed/Enhanced Channel, (Inner Feet)</td>
<td>1.107 / 2.322</td>
</tr>
<tr>
<td>Coff/E (cubic yards)</td>
<td>4,810 / 2,875</td>
</tr>
<tr>
<td>Channel Pools</td>
<td>51</td>
</tr>
<tr>
<td>In-Stream Habitat Structures</td>
<td>21</td>
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<tr>
<td>Floodplain Bench Creation (acres)</td>
<td>1.1</td>
</tr>
<tr>
<td>Riparian/Channel Bank Planting (acres)</td>
<td>2.1</td>
</tr>
<tr>
<td>Selective Clearing and Planting (acres)</td>
<td>4.1</td>
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</tbody>
</table>

### Overview Plan - Detail Diagrams

1. **Existing Conditions**
   - Project Boundary
   - Constructed Channel
   - Enhanced Channel
   - Riparian Planting
   - Selective Clearing and Planting
   - Detail Diagram Location

2. **Bank Protection and Channel Creation**
   - Notes:
     - 1. Decrease channel and protected using erosion control structures
     - 2. Selective clearings and plantings
     - 3. Selective clearings and plantings
     - 4. Riparian plantings
     - 5. In-stream habitat structures
     - 6. In-stream habitat structures
     - 7. Riparian plantings
     - 8. Riparian plantings
     - 9. In-stream habitat structures
     - 10. Riparian plantings

3. **Floodplain Bench Creation**
   - Notes:
     - 1. In-stream habitat structures
     - 2. Riparian plantings
     - 3. Floodplain bench creation
     - 4. Riparian plantings
     - 5. Floodplain bench creation
     - 6. Riparian plantings
     - 7. Floodplain bench creation
     - 8. Riparian plantings
     - 9. Floodplain bench creation
     - 10. Riparian plantings

---

*Anza Creek Restoration*  
San Bernardino Valley Municipal Water District
SAWPA SARCCUP Project Implementation
## Smartscape Spending to Date (March 2020)

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<th>Agency</th>
<th>EMWD</th>
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<th>SBMVWD</th>
<th>WMWD</th>
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<td>Remaining</td>
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<td>$27,609</td>
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*91% Implemented*
Examples of Smartscape Tasks Implemented

Irrigation Improvements - IEUA

Landscape Designs - WMWD

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Botanical Name</th>
<th>Qty</th>
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<tbody>
<tr>
<td>Cherry Tree</td>
<td>Prunus avium</td>
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</tr>
<tr>
<td>Rose of Sharon</td>
<td>Abelia x grandiflora</td>
<td>5</td>
</tr>
<tr>
<td>Wisteria</td>
<td>Wisteria sinensis</td>
<td>5</td>
</tr>
<tr>
<td>Mexican Sunflower</td>
<td>Helianthus cupensis</td>
<td>5</td>
</tr>
<tr>
<td>Mexican Bush Sage</td>
<td>Baccharis salicifolia</td>
<td>5</td>
</tr>
<tr>
<td>Texas Ranger Cypress</td>
<td>Cupressus equi-stripe</td>
<td>5</td>
</tr>
</tbody>
</table>

All plants are 1 gallon in size except for Manzanita, which is a 1.5 or 2.5 gallon.
You will need a minimum of 4 cubic feet of topsoil for each bed.
Plants design features 60 plants for 1,071 sq. ft., meeting the rebate requirement of 3 plants per 100 sq. ft.