SARCCUP Project Update Locations

Water Use Efficiency

Native Fish Tributaries

Riverside-Arlington

San Jacinto
Wells 201, 202, & 203 Phase 1B Conveyance Pipelines

- Board Approved Construction Award on December 2, 2020
- 1-year construction contract
- Pre-Construction Meeting held on December 10, 2020
- Advancing with preliminary submittals.
Wells 201, 202, 203, & 205 Equipping

- 100% Comments returned to Design Engineer
- Design Amendment for architectural color board and wall profile design
- Awaiting Encroachment Permit Approval - City of San Jacinto
- Temporary construction easements in process for shared walls on P/L
- Well 203 drainage easement in process
- Bid February 2021
- O&E April 2021
- Board May 2021
Mountain Avenue West - Construction Progress

- Drilling and development of all eight small monitoring wells and three large multiport monitoring wells is complete.
- Construction of well completion monuments is ongoing.
- Mechanical piping construction is ongoing.
- Soil cement placement on basin sides
- Driveways, perimeter fencing, and SCE enclosure construction

Raw Water Inlet Piping
Mountain Avenue West - Construction Progress

Play video
Mountain Avenue West - Construction Progress

Aerial Site View

Basin No. 1
Basin No. 2
Stilling Basin
Mountain Avenue West - Construction Progress

Basin No. 1

Basin No. 2

Distribution Basin

Distribution Basin and Outlet Control Facilities
Monitoring Wells Installation

Drill Rig and Sound Walls

Monitoring Well MP-01
Monitoring Wells Installation

Shallow Monitoring Well

Monitoring Well MP-03
WMWD Updates

Sterling Pump Station, Cannon Pump Station and Riverside-Arlington Basin Well
Potential Well Site: Obtaining land appraisal and drafting scope for test drilling
Cannon Campbell Pump Station

Design report submitted and under review
Sterling Pump Station

Startup and testing underway, along with repairs to faulty equipment
SBVMWD Updates
Native Fish Habitat Tributaries

SARCCUP
Phased Implementation

- Phase 1: Hidden Valley and Anza Creeks
  - Working towards 90% Design Package
  - Land Appraisals Underway
  - Site Preparation Underway
  - Seed Collection and Plant Propagation Underway
  - Construction: Fall 2021 - Fall 2022
  - Start Monitoring and Adaptive Management: Fall 2022
- Phase 2: Lower Hole and Old Ranch Creeks
  - 30% Designs
  - Construction: Fall 2022 - Fall 2023
  - Start Monitoring and Adaptive Management: Fall 2023

- CEQA
  - Completed for all four restoration sites
- Permitting
  - Phase 1 Sites
    - LSAA (CDFW): Operation of Law (Op Law)
    - Section 401 Compliance (RWQCB)
      - Anza: Complete
      - Hidden Valley: In progress
    - CWA Section 404 Compliance (USACE)
      - Section 7 Federal ESA Consultation Initiated with USFWS
  - Phase 2 Sites
    - After Phase 1 Site permits are obtained
Tributary Restoration Projects

Anza Creek Site in need of restoration (Nov 29, 2018)

Old Ranch Creek Site after recent fire (Feb 2, 2020)
**Plan Elements**

- Project Boundary
- Enhanced Channel
- Wetland/Channel Planting
- Riparian Shrub Planting
- Riparian Tree Planting
- Upland Planting
- Selective Clearing and Planting
- Detail Diagram, Location

**Lower Hole Creek Design Statistics**

<table>
<thead>
<tr>
<th>Element</th>
<th>Value</th>
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<tbody>
<tr>
<td>Enhanced Channel (Linear feet)</td>
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<tr>
<td>Cut Fill (total yards)</td>
<td>5,289 / 186</td>
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<td>Channel Pools</td>
<td>17</td>
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<tr>
<td>In-Stream Habitat Structures</td>
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<tr>
<td>Floodplain Bank Creation</td>
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<td>Riparian/Channel Planting</td>
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<tr>
<td>Selective Clearing and Planting</td>
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**Lower Hole Creek Restoration**
San Bernardino Valley Municipal Water District
SAWPA Updates

Water Use Efficiency Budget Assistance Task
Purpose of Task

1. Help **5 to 10** retail agencies comply with State regulations that require water agencies to adhere to agency-wide water budgets (Senate Bill 606 and Assembly Bill 1668);

2. Provide **5 to 10** retail agencies with budgets to prepare them to eventually study/adopt conservation-based rates; and

3. Provide **5 to 10** retail agencies with information to target other water use efficiency programs to inefficient water users.
Latest Progress

- **November 2020:** Request for Proposals (RFP) for consultant contract,
- **January 2021:** Negotiating with consultant,
- **February 2021:** Recommended consultant contract to PA 22 Committee,
- **February/March 2021:** Begin formal recruiting of up to 10 retail water agencies.
SARCCUP Schedule

Brian Dietrick, Woodard & Curran
PA 23 Committee | February 2, 2021
Item No. 5.B.
2020-2023 Agency Slides
<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
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<td>Program Management</td>
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<td>Quarterly Reporting</td>
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**Key Agreements and Grant Deliverables:**

- DWR Amendment No. 2
- Project Monitoring Plans
- Sub-Agreement Amendments

SAWPA Water Use Efficiency Project Implementation

- Water Budget Assistance

**Construction Deadline:** Sept. 2023
<table>
<thead>
<tr>
<th>Year</th>
<th>Grant Contract</th>
<th>2021</th>
<th>2022</th>
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<tr>
<td>2020</td>
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<tr>
<td>2021</td>
<td>Grant Extension (2 years)</td>
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**Construction Grant Contract**

**Well Equipping, Discharge Pipelines, Three Wells**

**EMWD Conjunctive Use Project**

**Mountain Avenue West Recharge Fac.**

**Construction Deadline**

Sept. 2023
<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
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<tbody>
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<td>2022</td>
<td>OCWD Arundo Removal Project</td>
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<td>Construction – Arundo Removal</td>
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<td>Construction – OC Wells</td>
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**Construction Deadline:**
- Sept. 2023
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<th>Year</th>
<th>Event</th>
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<td>2024</td>
<td>Construction Deadline</td>
<td>Sept. 2023</td>
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SBVMWD Habitat Restoration Project

- Habitat Permits
- Establishment of Mitigation Bank
- Final Engineering/Construction Package
- Contractor Maintenance Period - Group 1
- Contractor Maintenance Period - Group 2
### 2020-2024 Project Timeline

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<th>2020</th>
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<td>Elsinore Basin Design</td>
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<td>Riverside-Arlington Basin – Wells/Transmission, Cannon Campbell Pump Station &amp; Disinfection</td>
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<td><strong>Construction</strong></td>
<td><strong>Elsinore Basin - Well Equipping</strong></td>
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**Construction Deadline:** Sept. 2023
SARCCUP Grant Payment Updates

Mark Norton, Water Resources and Planning Manager

PA 23 Committee | February 2, 2021
Item No. 5.C.
Background on Grant

- Department of Water Resources adopted grant agreement amendment No. 2 with SAWPA on May 29, 2020.
- PA 23 Committee adopted grant amounts (as shown on next slides) at the April 2 and October 1, 2019 Committee meetings, which were incorporated into the amendment with DWR.

- Amounts shown in this presentation reflect invoices submitted through September 30, 2020 (latest invoices received at time of publishing this agenda packet).
- As of September 30, 2020, the amount of grant invoiced is 37% of the total $55M grant.

Percent Schedule Completed

- December 2023
- March 2022
- June 2020
- September 2018
- January 2017

Schedule Completed

Total SARCCUP Schedule

54%
**Grant Payment Status By SARCCUP Agency**
*(Percent of Total Grant Invoiced Shown)*

- *Payment outstanding due to 10% retention withheld on each grant amount included in invoice, or lag in payment from last quarter's invoice.*

**Includes funding for Woodard & Curran and Water Use Efficiency Tasks.**

<table>
<thead>
<tr>
<th>Agency</th>
<th>EMWD</th>
<th>IEUA</th>
<th>OCWD</th>
<th>SBVMWD</th>
<th>WMWD</th>
<th>SAWPA**</th>
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<td>Total Outstanding Grant Payments*</td>
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More Detail on Outstanding Grant Payments (Through September 30, 2020)

Notes:
- Retention will be withheld by DWR until complete invoicing of overall SARCCUP Project (scheduled for December 2023).
- Last paid invoice from DWR was for reimbursing expenses incurred by SARCCUP agencies through December 31, 2019.