EMWD Project Update – Mountain Avenue West

Mountain Avenue West Recharge Facility Schematic
Estimated Construction Completion is February 2021
Construction of a Monitoring Well at Mountain Avenue West Recharge Facility

Estimated Construction Completion is February 2021
Installation of the Conductor Casing at Monitoring Well MP-02 site
OCWD Updates

Arundo Removal and Orange County Groundwater Wells
October 2020
Arundo removal is on-going.

▶ A total of 542 acres have been removed.

▶ An additional 98 acres is targeted for this fall/winter to reach goal of 640 acres.

▶ Maintenance of removal areas will continue for next several years.
Five groundwater producers are proceeding with constructing new wells.
WMWD Updates

Sterling Pump Station and La Sierra Pipeline
October 2020
Sterling Pump Station
SBVMWD Updates
October 2020
Tributary Restoration Projects

- Phased Implementation
  - Phase 1: Hidden Valley and Anza Creeks
    - 60% Designs
    - Working through comments on the 60% for Anza
    - Est. Start of Construction: Fall/Winter 2020
  - Phase 2: Lower Hole and Old Ranch Creeks
    - 30% Designs
    - Est. Start of Construction: Fall 2021
- CEQA
  - Completed for entire project (i.e. all four sites)
- Lands Agreements

Permitting

- Phase 1 Sites
  - LSAA (CDFW)
  - 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

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
- Channel retrofitting
- Selective Clearing and Planting

Overview Plan
Detail Diagrams

Lower Hole Creek Design Statistics

Enhanced Channel (Linear feet) | 442
CulVert (cubic yards) | 3,005 / 182
Channel Pipe | 17
InStream Habitat Structures | 14
Floodplain Bench Creation (acres) | 0.5
Riparian/Channel Bank Planting (acres) | 1.7
Selective Clearing and Planting (acres) | 3.5

Lower Hole Creek Restoration
San Bernardino Valley Municipal Water District
SAWPA Updates

Water Use Efficiency Budget Assistance Task
October 2020
Purpose of Task

1. Use SARCCUP $1.2 million funding that would have gone to conservation-based rates task*;
2. 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);
3. Provide 5 to 10 retail agencies with budgets to prepare them to eventually study/adopt conservation-based rates; and
4. Provide 5 to 10 retail agencies with information to target other water use efficiency programs to inefficient water users.

*SARCCUP Water Budget Assistance Task

*Removed from scope of work via DWR-SAWPA Grant Agreement No. 2
<table>
<thead>
<tr>
<th>Customer Identifier</th>
<th>Meter Service Area</th>
<th>Landscape Area</th>
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Can Also Provide Access to Eto* Data to help create holistic efficiency budget

Table Format

GIS Format

*Eto = Reference Evapotranspiration
Schedule for Work

Approve RFP and recruitment plan for 5 to 10 agencies

Approve consultant contract to assist with budget creation
SARCCUP Schedule

Brian Dietrick, Woodard & Curran
PA 23 Committee | October 6, 2020
Item No. 4.B.
**Planning/CEQA:**
- Master Plan - Decision Support Model
- Joint CEQA
- San Jacinto CEQA
- San Jacinto Watermaster
- Metropolitan Water District (MWD) Agreements (2)
- Sub-Grantee Agreements (5)
- SARCCUP Agencies Operating Agreement

**Key Agreements:**
- EMWD: Planning/Permits/Design
- OCWD: Arundo Removal Study/Permits/Design
- SBVMWD: Design/Bio Surveys/Agency Review/Engineering
- WMWD: Planning/Design/Well Siting/Permits

**Projects:**
- SAWPA: Implementation – Smartscape and Water Budget Assistance
- Construction – OC Wells
- Construction – Water Bank
- Construction – Sterling, La Sierra Pipeline
- Construction: Elsinore Wells, Riverside-Arlington Wells, Cannon Pump Station

**October PA-23 Mtg**
<table>
<thead>
<tr>
<th>Key Agreements:</th>
<th>Projects:</th>
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<tr>
<td>MWD Agmts. (2)</td>
<td>SAWPA: Smartscape and Water Budget Assistance</td>
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<td>DWR Amend. No. 2</td>
<td>EMWD: Construction – Water Bank</td>
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<tr>
<td>SARCCUP Agencies Operating Agreement</td>
<td>OCWD: Construction – Arundo Removal</td>
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<td>OCWD: Construction – OC Wells</td>
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<td>SBVMWD: Construction – Habitat (Groups 1 &amp; 2)</td>
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<td>WMWD: Planning/Design</td>
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<td>WMWD: Construction: Elsinore Wells, Riv.-Arl. Wells, Cannon PS, Transmission, Disinfection</td>
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**Planning/CEQA:**
- Additional CEQA

**Construction Deadline:** Sept. 2023
<table>
<thead>
<tr>
<th>Year</th>
<th>Grant Contract</th>
<th>Program Management</th>
<th>Quarterly Reporting</th>
<th>Key Agreements and Grant Deliverables</th>
<th>SAWPA Water Use Efficiency Project</th>
<th>Implementation</th>
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<tbody>
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<td>2020</td>
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<td>Construction Deadline Sept. 2023</td>
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- **Grant Extension (2 years)**
- DWR Amendment No. 2
- Project Monitoring Plans
- Sub-Agreement Amendments
- Water Budget Assistance
- Smartscape
- SAWPA Water Use Efficiency Project Implementation

**Construction Deadline Sept. 2023**
Grant Contract

EMWD Conjunctive Use Project

Construction

Mountain Avenue West Recharge Fac.

Well Equipping, Discharge Pipelines, Three Wells

Construction Deadline
Sept. 2023
<table>
<thead>
<tr>
<th>Year</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<tr>
<td>OCWD Arundo Removal Project</td>
<td>Grant Contract</td>
<td>Grant Extension (2 years)</td>
<td>Construction – Arundo Removal</td>
<td>Construction – OC Wells</td>
<td>Construction Deadline Sept. 2023</td>
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<td>Year</td>
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<td>2021</td>
<td>Grant Extension (2 years)</td>
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**SBVMWD Habitat Restoration Project**

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

**Construction Deadline**
- Sept. 2023
2020 2021 2022 2023 2024

**Elsinore Basin Design**

**WMWD Conjunctive Use Project**

**Grant Contract Grant Extension (2 years)**

**Land Purchase**

**Design**

- Elsinore Basin Design
- Riverside-Arlington Basin – Wells/Transmission, Cannon Campbell Pump Station & Disinfection

**Construction**

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

**Sterling PS**

**Construction Deadline**

- Sept. 2023

**Western Municipal Water District**
SARCCUP Grant Payment Updates

Ian Achimore, Senior Watershed Manager
PA 23 Committee | October 6, 2020
Item No. 4.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 June 30, 2020.
- As of June 30, 2020, the amount of grant invoiced is 37% of the total $55M grant.
Notes:
*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 and Curran, Smartscape and Water Budget Assistance.
More Detail on Outstanding Grant Payments (Through June 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.
SARCCUP-MWD Agreement Update

Brian Powell, P. E.
October 6, 2020
PA-23 Committee Meeting
Item 4.D.
Agenda

• MWD-SARCCUP Agreement Overview

• Status & Next Steps
SARCCUP-MWD Agreement Overview
Purpose of Agreement

- Establish terms and conditions for the purchase, delivery and use of surplus Valley State Water Project (SWP) water pursuant to MWD’s Administrative Code
- Describe relationship with SARCCUP Participants
- Document rate for surplus Valley Water and financial arrangements
- Determine processes for water deliveries and exchanges for the “Put” and “Take” scenarios
- Document consistency with MWD’s Policy regarding Extraordinary Supply Designation
SARCCUP Participants

SARCCUP Participants:

– Eastern MWD*
– IEUA*
– MWDOC*
– OCWD
– Valley District
– Western MWD*

* MWD Member Agency/Agreement Signatory
### Overview of Example of Operational (Put and Take) Scenarios

<table>
<thead>
<tr>
<th>Example</th>
<th>Put Scenarios</th>
<th>Take Scenarios</th>
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<tbody>
<tr>
<td>I</td>
<td>Direct MWD Delivery</td>
<td>Pump and Use Locally</td>
</tr>
<tr>
<td>II</td>
<td>Indirect MWD Delivery</td>
<td>Pump and Use Interagency Conveyance</td>
</tr>
<tr>
<td>III</td>
<td>Indirect MWD Delivery</td>
<td>Pump and Use Locally, Offsetting In-Lieu MWD Delivery</td>
</tr>
<tr>
<td>IV</td>
<td>Delivery to Valley Bank</td>
<td>Pump and Use Interagency Conveyance</td>
</tr>
</tbody>
</table>
Other SARCCUP Program Key Operational Terms with MWD

- Program water purchases and deliveries consistent with MWD Administrative Code
- Up to 50% of the water purchased may qualify for Extraordinary Supply
  - Extraordinary Supply designation subject to MWD certification
    - Appendix G
- SARCCUP-MWD member agencies cannot purchase water from Valley District
- Recovered banked groundwater will not be introduced into MWD system:
  - In-lieu deliveries or direct interagency conveyance
- Financial reconciliation of MWD purchases and in-lieu deliveries responsibility of SARCCUP agencies
- Agreement remains effective through at least 2035 with a clause to extend at least 5 years
Status & Next Steps
Status & Next Steps

• Presentation made to MWD Member Agency Managers Meeting
  – September 18, 2020

• Approvals to Execute the MWD-SARCCUP Agreement
  – SARCCUP Agencies Board Approvals – Sep/Oct
    – September 16th – EMWD (Approved)
    – September 16th – OCWD (Verbal Update Only)
    – October 21st – IEUA/MWDOC/Western (Pending)
  – MWD Board Approval to Execute the MWD-SARCCUP Agreement
    o MWD Board Information: October 2020
    o MWD Board Action: November 2020
Contact Information

Brian Powell, P.E.
Director of Water Resources and Facilities Planning
(951) 928-3777 Ext. 4278
Email: powellb@emwd.org
Discussion Item D

Bob Tincher, PE, MS – Chief Water Resources Officer/Deputy General Manager

Metropolitan Water District of Southern California Agreements | Update

Valley District Coordinated Operating Agreement with the Metropolitan Water District of Southern California
Background

2000 COA
- Expired in 2016
- Stayed litigation
- Coordinated use of facilities
- Built Foothill Pump Station for Valley District at MWDSC expense
- Identify any new projects
- Sale of Valley District surplus water (20,000 AFY min)
  - 15,000 AF (75%) for EMWD, IEUA, OC WD and WMWD
- Maximize benefits from Seven Oaks Dam
- Mutual Aid

2020 COA
- Does not expire unless SWCs expire
- Coordinated use of facilities
- Identify any new projects
- Sale of Valley District surplus water
  - First 5,000 to SGPWA
  - 50% to SARCC UP (EMWD, IEUA, OC WD, WMWD)
- Supplemental stormwater capture
- Mutual Aid
Benefits from 2000 COA

Metropolitan
- Conveyed over 600,000 AF through Foothill Pipeline to fill Diamond Valley Reservoir
- Purchased 223,500 AF of Valley District surplus water

Valley District
- Received Foothill Pump Station
- Used Inland Feeder to bypass Foothill Pipeline while re-routing around San Manuel Casino
- Received about $21 million for surplus water sales
- One-time participation in MWDSC central valley water bank (Kem-Delta)
- Emergency pipe fabrication agreement
Goal: Price the water so the SARCCUP agencies do not have to pay MWDSC any additional fee through SARCCUP

Price paid to Valley District (negotiated every 5 years)

<table>
<thead>
<tr>
<th>Final SWP Allocation</th>
<th>Amount</th>
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<tr>
<td>0 - 20%</td>
<td>$450</td>
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<tr>
<td>21 - 40%</td>
<td>$350</td>
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<tr>
<td>41 - 60%</td>
<td>$250</td>
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<tr>
<td>61 - 100%</td>
<td>$125</td>
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2000 COA ~$100/AF
Schedule

- Valley District Board Workshop, 10/1
- Valley District Board of Directors for Consideration, Today
Board Motion & Roll Call Vote

Staff Recommendation
Approve the Coordinated Operating Agreement with the Metropolitan Water District of Southern California.

T. Milford Harrison  
President

Paul Kielhold  
Vice President

Susan Longville  
Treasurer

June Hayes  
Director

Gil Navarre  
Director